

The Capstone Experience

Dr. Wayne Dyksen

Department of Computer Science and Engineering
Michigan State University
Fall 2017



*From Students...
...to Professionals*

Course Goals

- Build a Significant Software System
- Work in a Team Environment
- Learn New Tools and Environments
- Build and Administer Systems
- Develop Communication Skills
- Develop Interview Talking Points
- Consider Issues of Ethics and Professionalism



Course Goals

- Teams of Students
- Build Significant Software System
 - Design
 - Develop
 - Debug
 - Document
 - Deliver
- For Corporate Clients
- In 15 (Short) Weeks



Project Deliverables

- Project Plan Document & Presentation
- Alpha Presentation
- Beta Presentation
- Project Software & Documentation
- Project Video
- Design Day

See [Major Milestones](#).



All-Hands Meetings

- MW, 3:00-4:20 p.m., 1279 Anthony Hall
- Presentations By
 - Professor
 - Teams
 - Status Reports
 - Formal Presentations
 - Project Plan
 - Alpha
 - Beta
 - Project Videos
 - Guest Speakers



All-Hands Meetings

- 08/30: Capstone Overview
- 09/04: (Labor Day, No Meeting)
- 09/06: Project Plan
- 09/11: Risks and Prototypes
- 09/13: Team [Status Report Presentations](#)
- 09/18: Team [Project Plan Presentations](#)
- 09/20: Team [Project Plan Presentations](#)
- 09/25: Team [Project Plan Presentations](#)
- 09/27: Team [Project Plan Presentations](#)
- 10/02: Resume Writing and Interviewing
- 10/04: Career Gallery
- 10/09: Schedule and Teamwork
- 10/11: Creating and Giving Presentations
- 10/16: Team [Alpha Presentations](#)
- 10/18: Team [Alpha Presentations](#)
- 10/23: Team [Alpha Presentations](#)
- 10/25: Team [Alpha Presentations](#)
- 10/30: [Design Day](#) and the [Project Videos](#)
- 11/01: Camtasia Demo
- 11/06: Intellectual Property
- 11/08: Ethics and Professionalism
- 11/13: Team [Beta Presentations](#)
- 11/15: Team [Beta Presentations](#)
- 11/20: Team [Beta Presentations](#)
- 11/22: Team Status Reports
- 11/27: Team [Beta Presentations](#)
- 11/29: Team Status Reports
- 12/04: [Project Videos](#)
- 12/06: [Project Videos](#) and All Deliverables
- 12/07: [Design Day Setup](#)
- 12/08: [Design Day](#)
- 12/11: [Project Videos](#)



MICHIGAN STATE
UNIVERSITY

The Capstone Experience

Team Amazon

Department of Computer Science and Engineering
Michigan State University
Fall 2017



*From Students...
...to Professionals*

amazon





All ▾



Back to School

Sponsored by
Lysol

Departments ▾

Your Amazon.com

Today's Deals

Gift Cards & Registry

Sell

Help

Hello. Sign in

Your Account ▾

Try Prime ▾

Lists ▾



Cart

PLAY ALL OF YOUR MUSIC. JUST ASK.

Prime  music



PANDORA



echo \$179⁹⁹



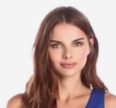
Welcome

Sign in for the best experience

Popular departments



The dress shop



xfinity

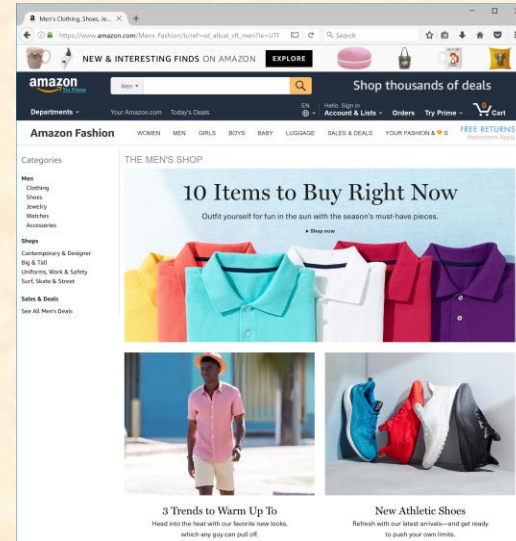
XFINITY Home

A total home security
and automation solution

Team Amazon Project Overview

Faia: Fashion Artificial Intelligence Assistant

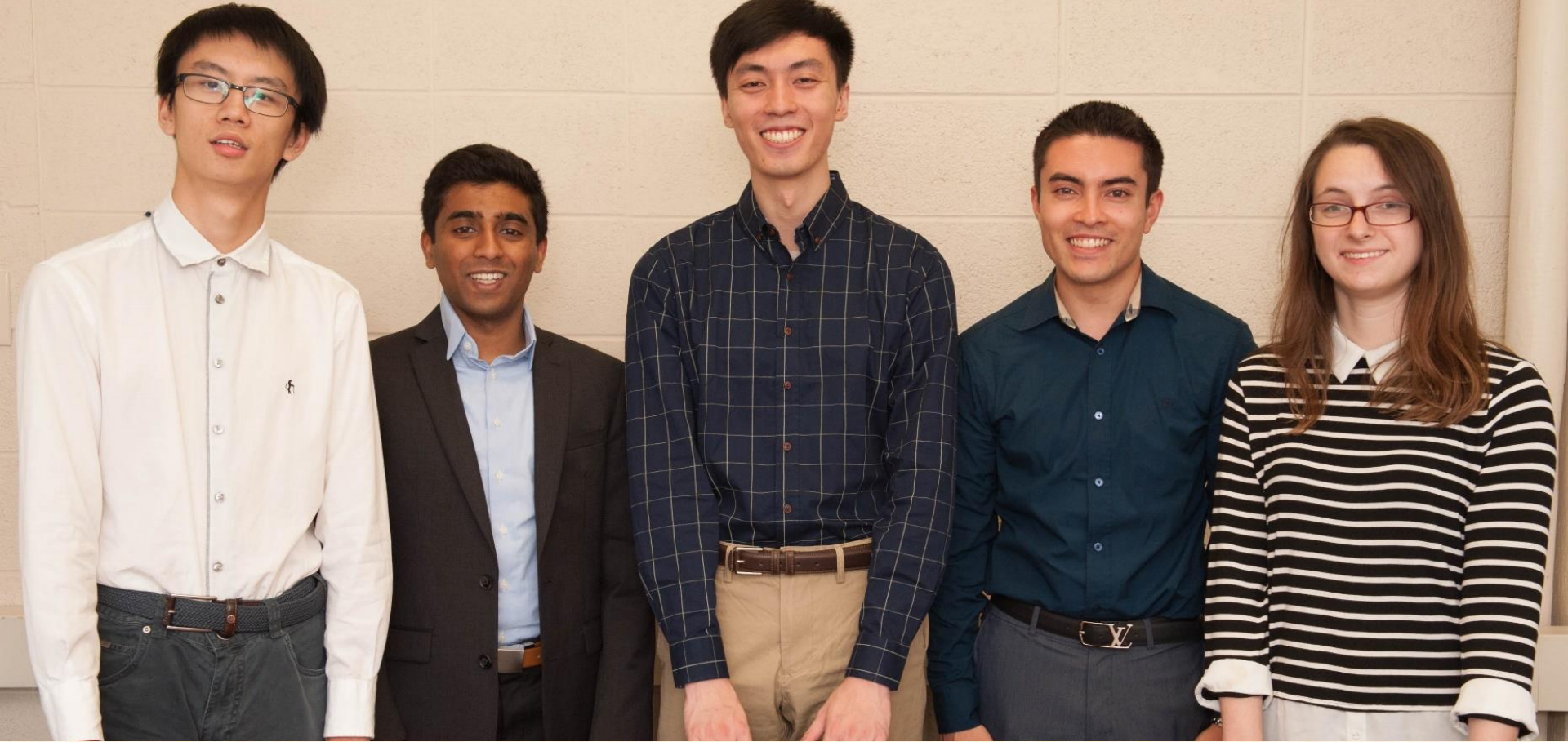
- Functionalities
 - Create Innovative Fashion Shopping Experience
 - With Virtual Personal Stylist
- Features
 - Create and Manage Shopper Profile
 - Interact with Faia via Texting
 - Give Personalized Fashion Recommendations
 - Leverage AI to Learn and Adapt to Shopper Preferences
 - Provide “Save for Later” and “Add to Cart”
 - Integrate with Prime Wardrobe
- Technologies
 - Amazon Web Services (AWS)
 - Compute Services
 - Database Services
 - Machine Learning
 - Amazon Lex
 - Amazon Product Advertising API
 - Amazon Simple Notification Services (SNS)
 - Twilio APIs



amazon

Seattle, Washington
Detroit, Michigan





Team Amazon

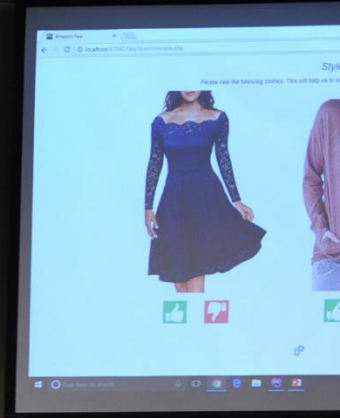
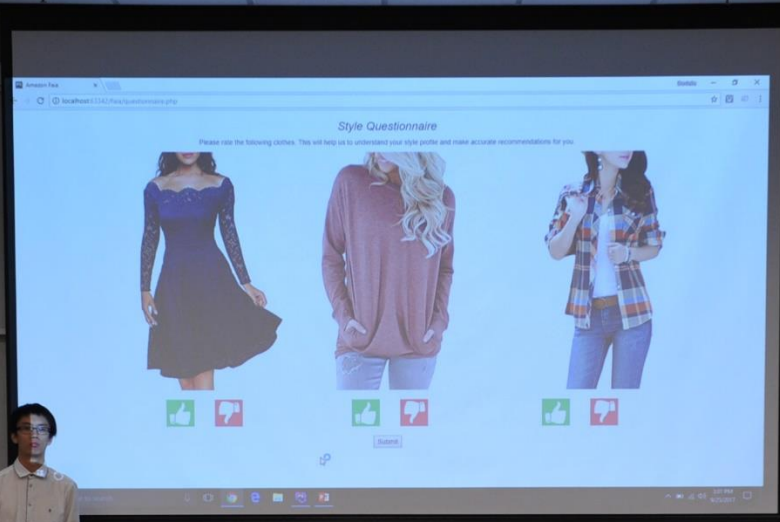
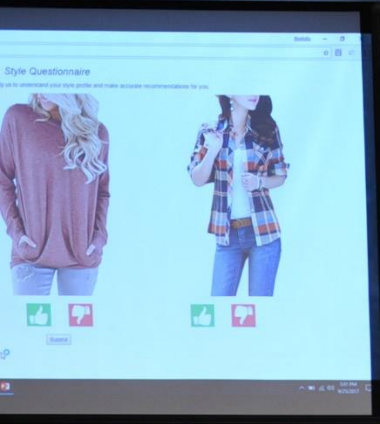
Zizhen Wang, Nikhil Ramu, David He, Dominic Zottolo, Danielle Schugars

Team Amazon Project Plan Presentation

a.

Screen Mockup



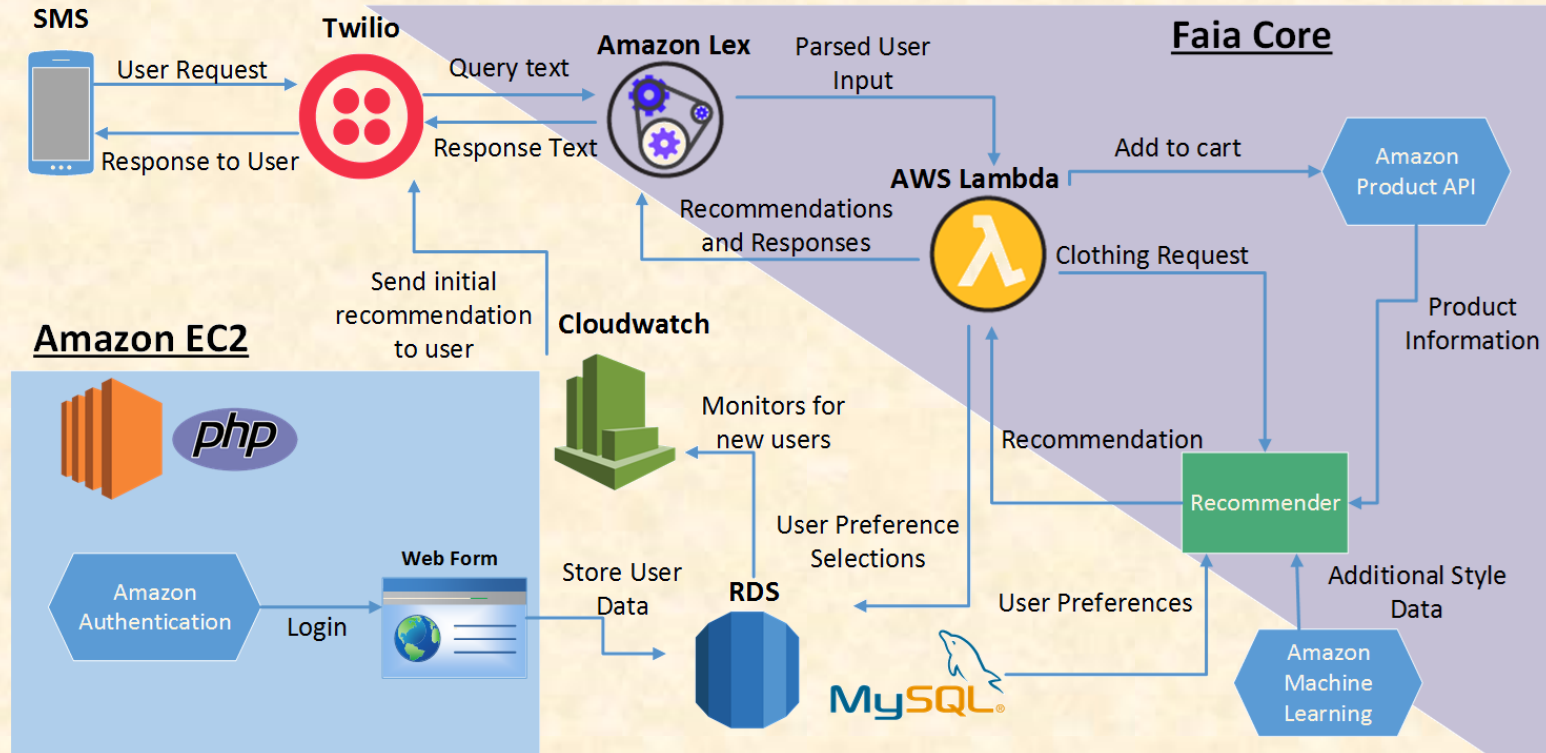


Team Amazon Project Plan Presentation

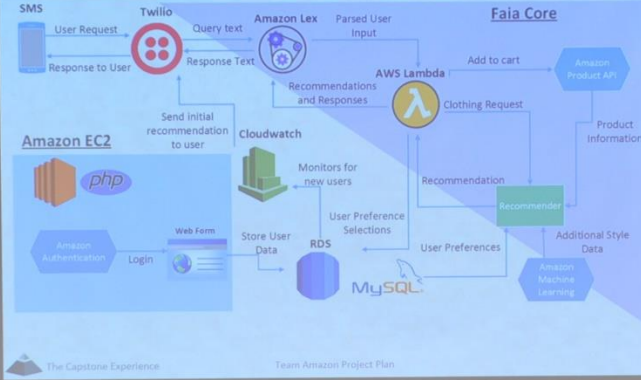
Team Amazon Project Plan Presentation

2.

Architecture Diagram



System Architecture

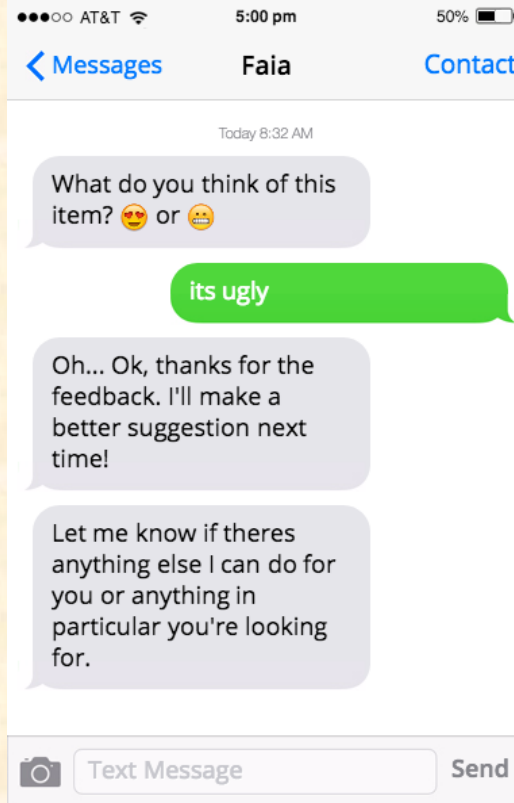
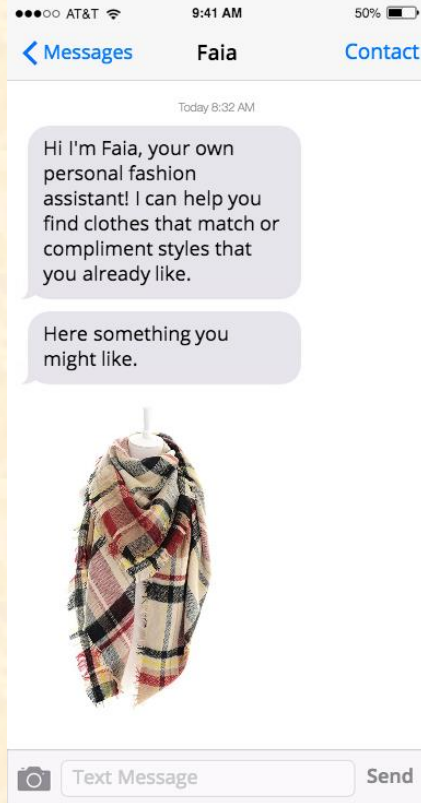


Team Amazon
Project Plan Presentation

Team Amazon Project Plan Presentation

2.

Screen Mockup

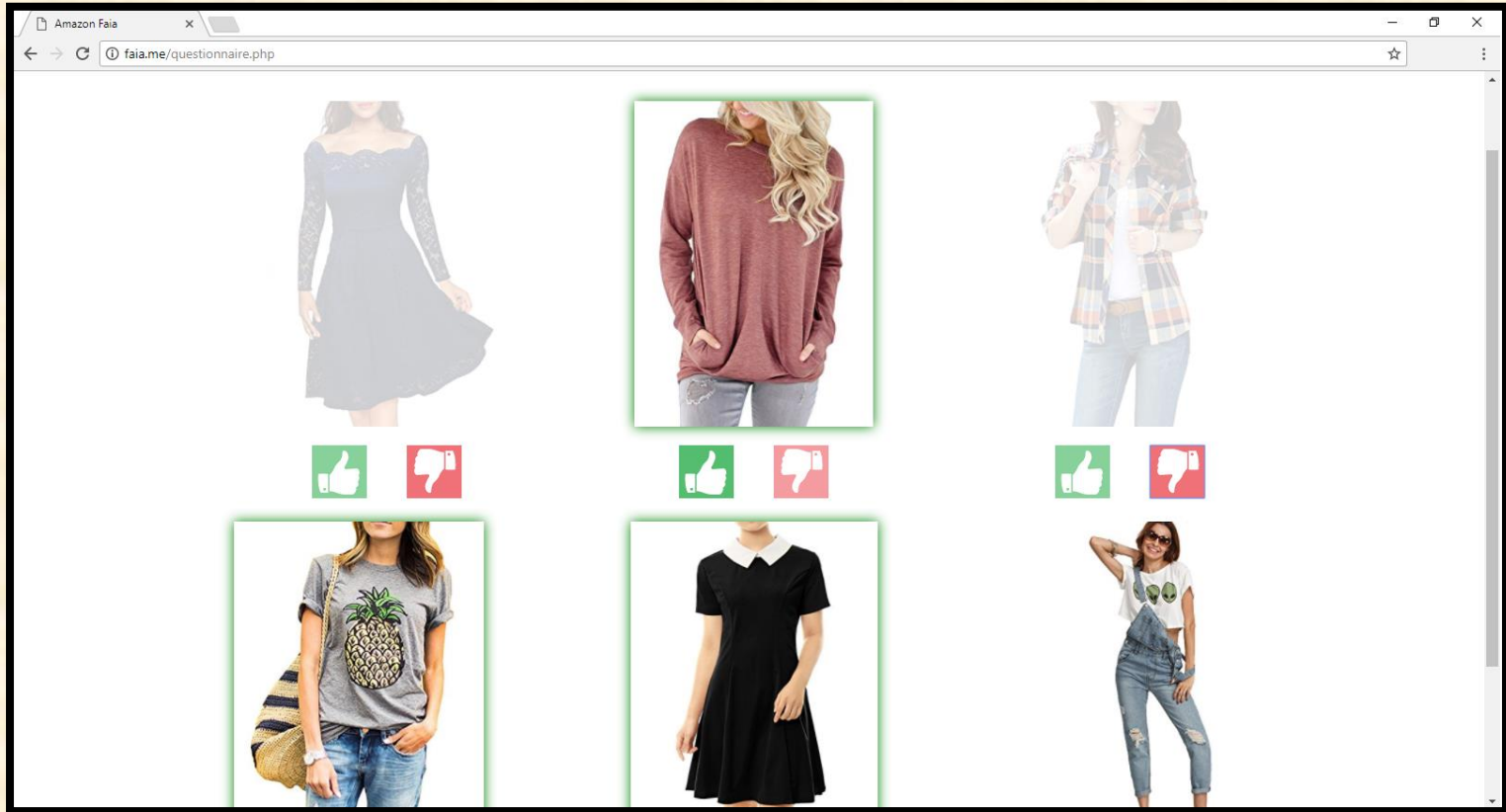




Team Amazon Alpha Presentation

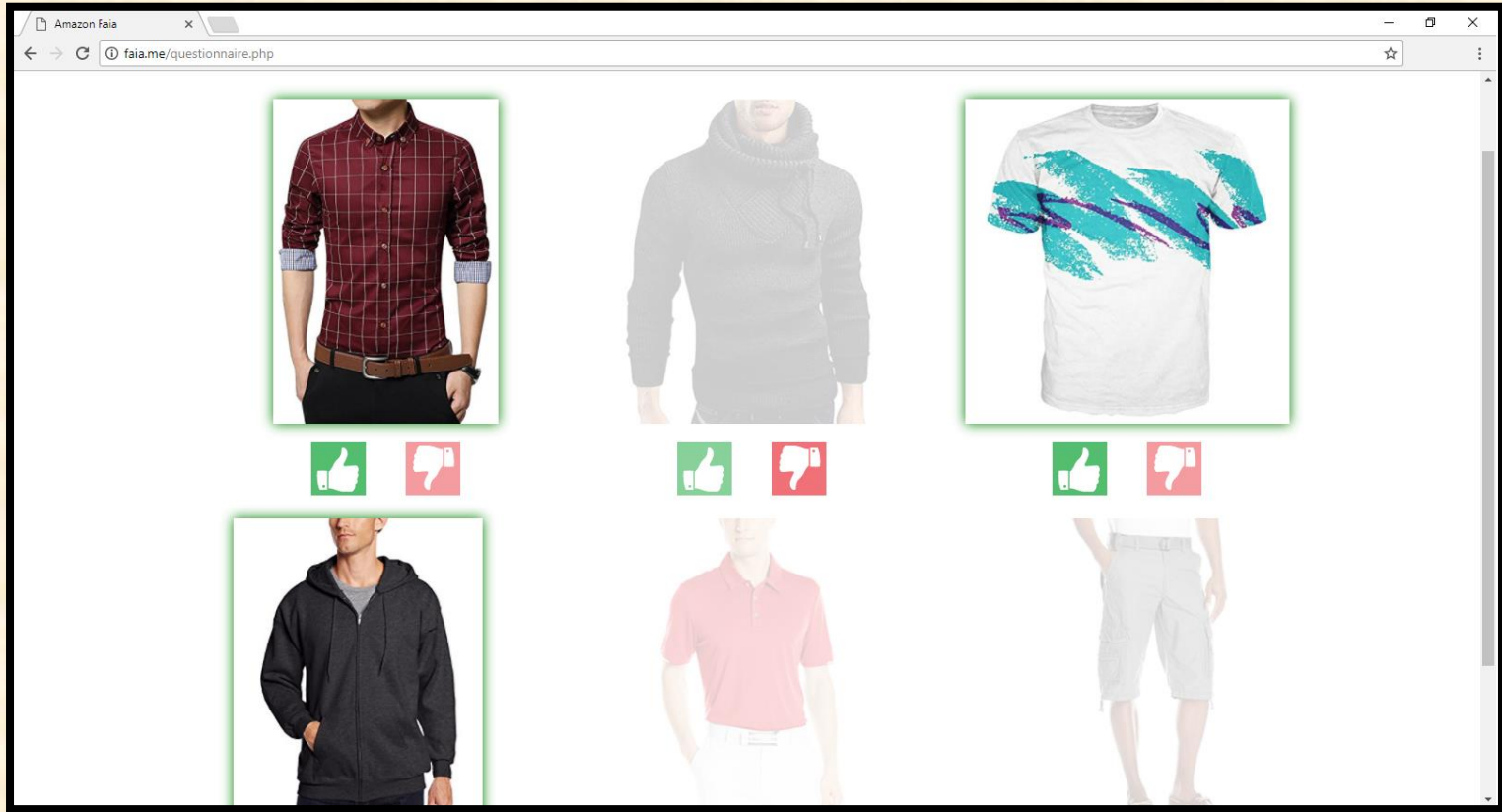
Team Amazon Alpha Presentation

Web Form: Questionnaire (Women)



Team Amazon Alpha Presentation

Web Form: Questionnaire (Men)



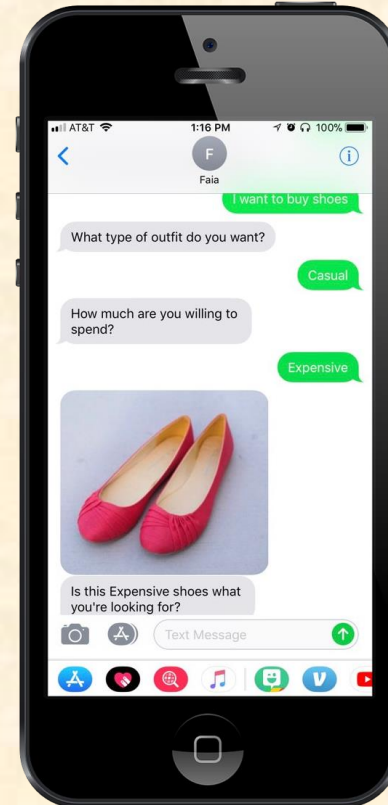
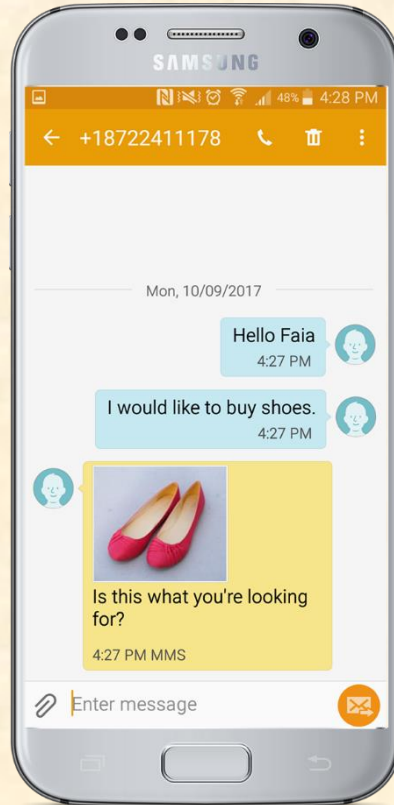


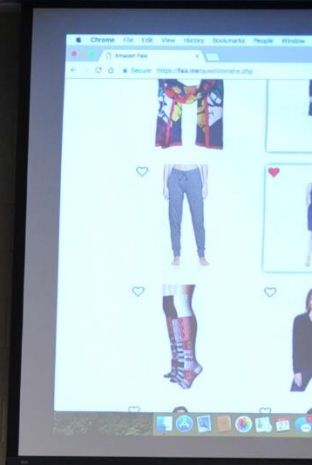
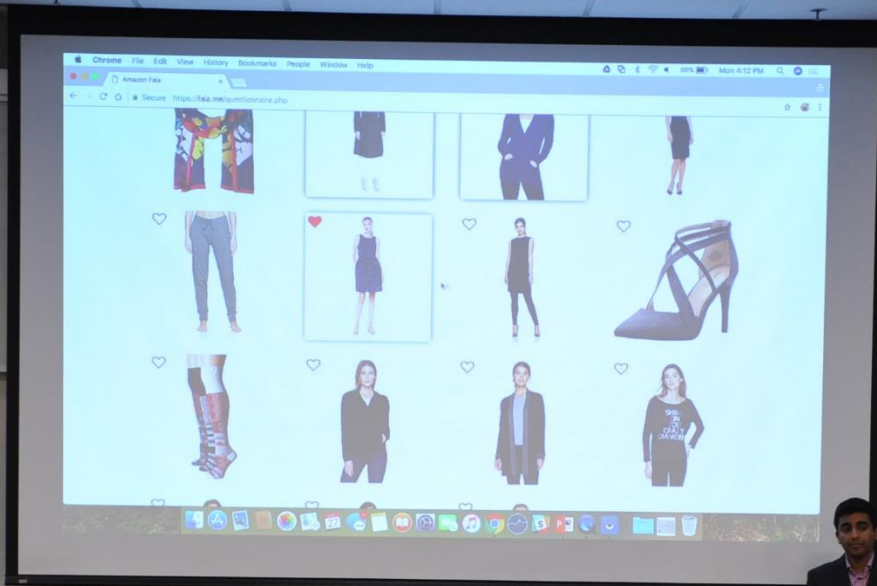
Team Amazon Alpha Presentation

Team Amazon Alpha Presentation

2.

Texting Interaction





Team Amazon Beta Presentation

Team Amazon Beta Presentation


2.

Questionnaire: Initial Style

Amazon Faisa


Style Questionnaire

Please rate the following styles. This will help us to understand your personal style profile and make accurate recommendations for you.
(You must like at least one of these styles!)



Tailored Traditionalist

Like	Neutral	Dislike
------	---------	---------



King of R&R

Like	Neutral	Dislike
------	---------	---------

Type here to search

10:24 PM 11/13/2017


Team Amazon Beta Presentation

Questionnaire: Specific Clothing

Amazon Fala

Style Questionnaire

Please click all the items that you like. This will help us to even further pin down your style.



Submit

Type here to search

10:42 PM 11/13/2017

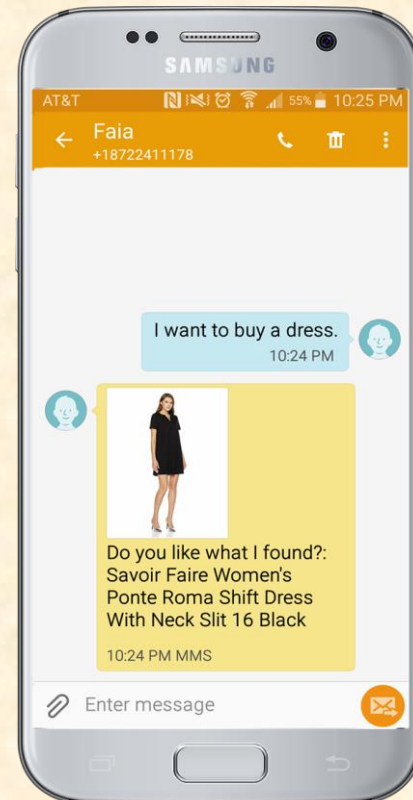
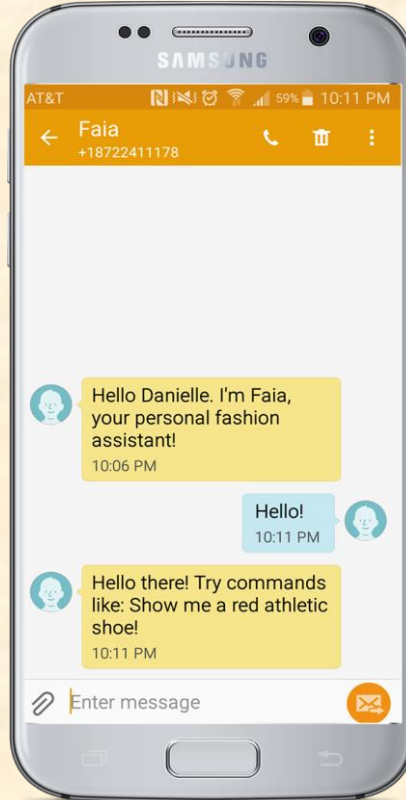
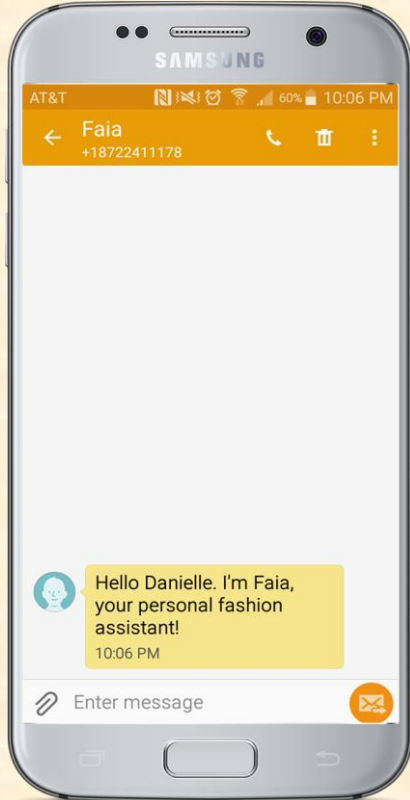


Team Amazon Beta Presentation

Team Amazon Beta Presentation

2.

SMS Interaction





Team Amazon
Design Day

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The Capstone Experience

Team Auto-Owners

Department of Computer Science and Engineering
Michigan State University
Fall 2017



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...to Professionals*

Auto-Owners **INSURANCE**

LIFE • HOME • CAR • BUSINESS



[Customer Center](#) | [Find a Career with Us](#)

[PRODUCTS](#) [ABOUT US](#) [CUSTOMER CLAIMS](#)

Enter a Keyword



✓ FIND A LOCAL AGENCY



Enter a Zip Code

FIND AN AGENT

search by address

➤ CUSTOMER LOG IN

Highest in Customer Satisfaction

"Highest in Customer Satisfaction with the Auto Insurance Claims Experience according to J.D. Power**"

[Click for more information](#)

LIFE



Life insurance, annuities, long term care and disability income protection are all products you will rely on many years into the future.

HOME



Regardless of which homeowners insurance fits your specific needs, Auto-Owners products are among the best in the industry.

CAR



"No Problem"® claims service with numerous claims offices serving our policyholders.

BUSINESS

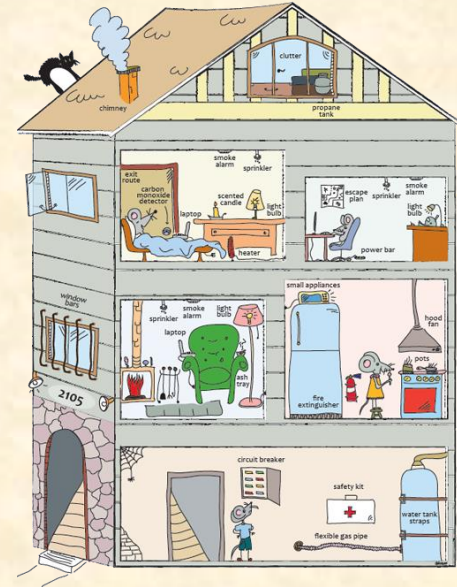


We insure a variety of businesses, both large and small. Insurance is available to meet the specific needs of most businesses.

Team Auto-Owners Project Overview

House of Hazards

- Functionalities
 - Teach Homeowners About Home Safety
 - With a Virtual Reality Game
 - Using an Oculus Rift
- Features
 - Design and Build Time-Based Virtual Reality Game
 - Build Virtual Model of Single-Family Home
 - Display Various Scenarios Inside and Outside
 - Hazardous
 - Safe
 - Innocuous
 - Support Various Levels of Difficulty
 - Provide Limited Hints
 - Use Randomization for Varied Experiences
 - Show Review Panel At Game End
- Technologies
 - Unity Game Engine
 - Oculus Rift
 - Oculus Rift Touch Controllers
 - Oculus Rift Sensor



Auto-Owners
INSURANCE

LIFE • HOME • CAR • BUSINESS

Lansing, Michigan



Team Auto-Owners

Fred Lee, Matt Drazin, Kenneth Stewart, Kevin Nickolai, Brian Wong

Team Auto-Owners Project Plan Presentation

a.

Screen Mockup

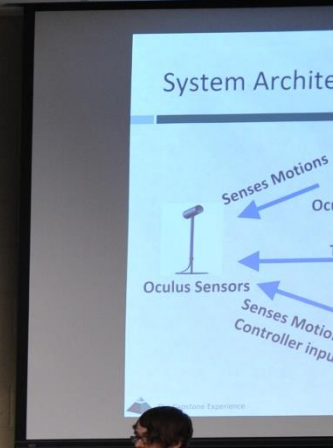
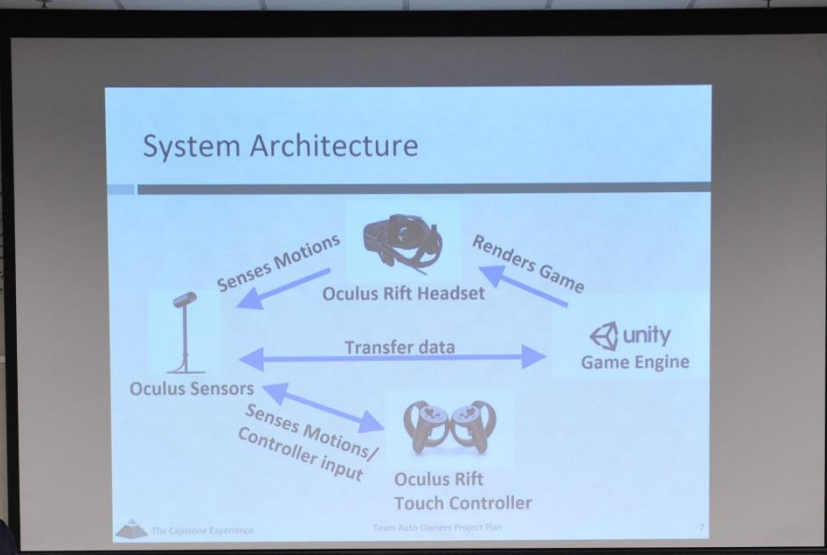
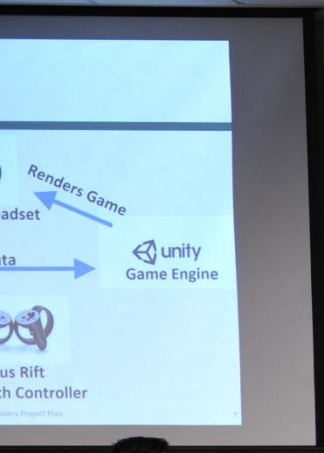
Auto-Owners
INSURANCE

Easy

Medium

Hard



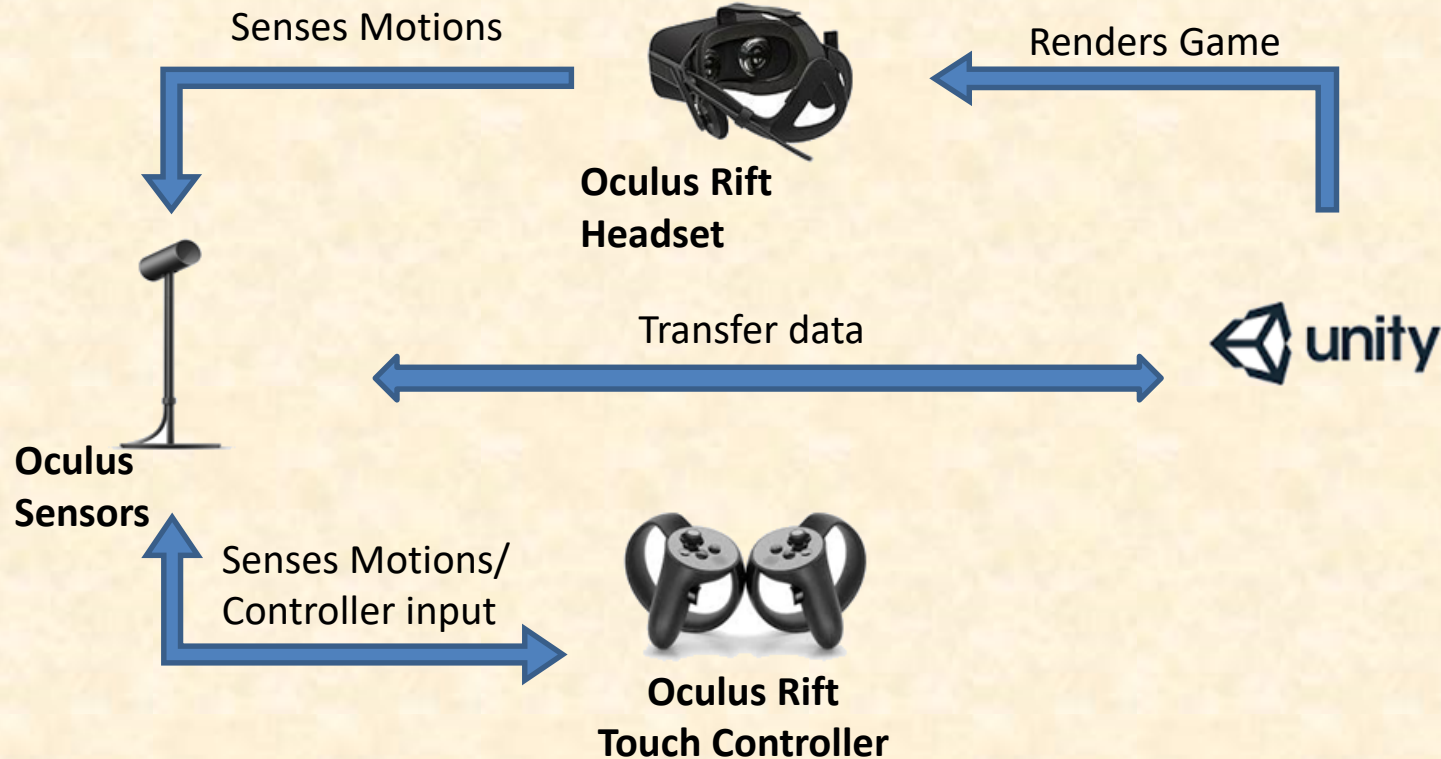


Team Auto-Owners Project Plan Presentation

Team Auto-Owners Project Plan Presentation

2.

Architecture Diagram



game UI

Time Remaining: 1:23



Team Auto-Owners Project Plan

Screen Mockup: In-game UI

Score: 200

Time Remaining: 1:23

Hints: 3



The Capstone Experience

Team Auto-Owners Project Plan

Screen Mockup

Score: 200

Hints: 3

The Capstone Experience

Team Auto-Owners Project Plan Presentation

Team Auto-Owners Project Plan Presentation

a.

Screen Mockup

Score: 200

Time Remaining:
1:23

Hints: 3





Team Auto-Owners Alpha Presentation

Team Auto-Owners Alpha Presentation

a.

Scene View



The Capstone Experience



Team Auto-Owners Alpha Presentation

a.

Gameplay



The Capstone Experience





Team Auto-Owners Alpha Presentation

Team Auto-Owners Alpha Presentation

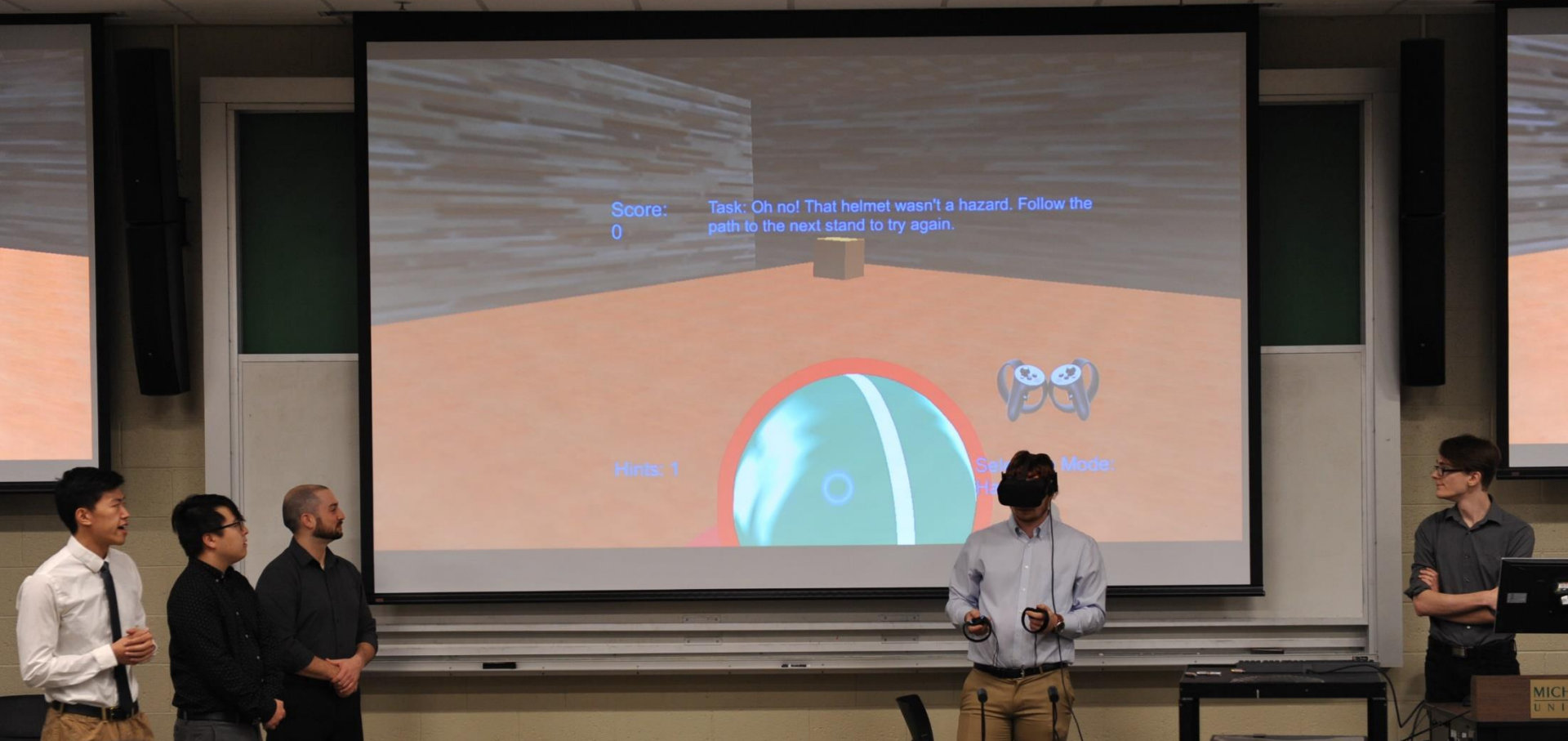
a.

Gameplay



The Capstone Experience



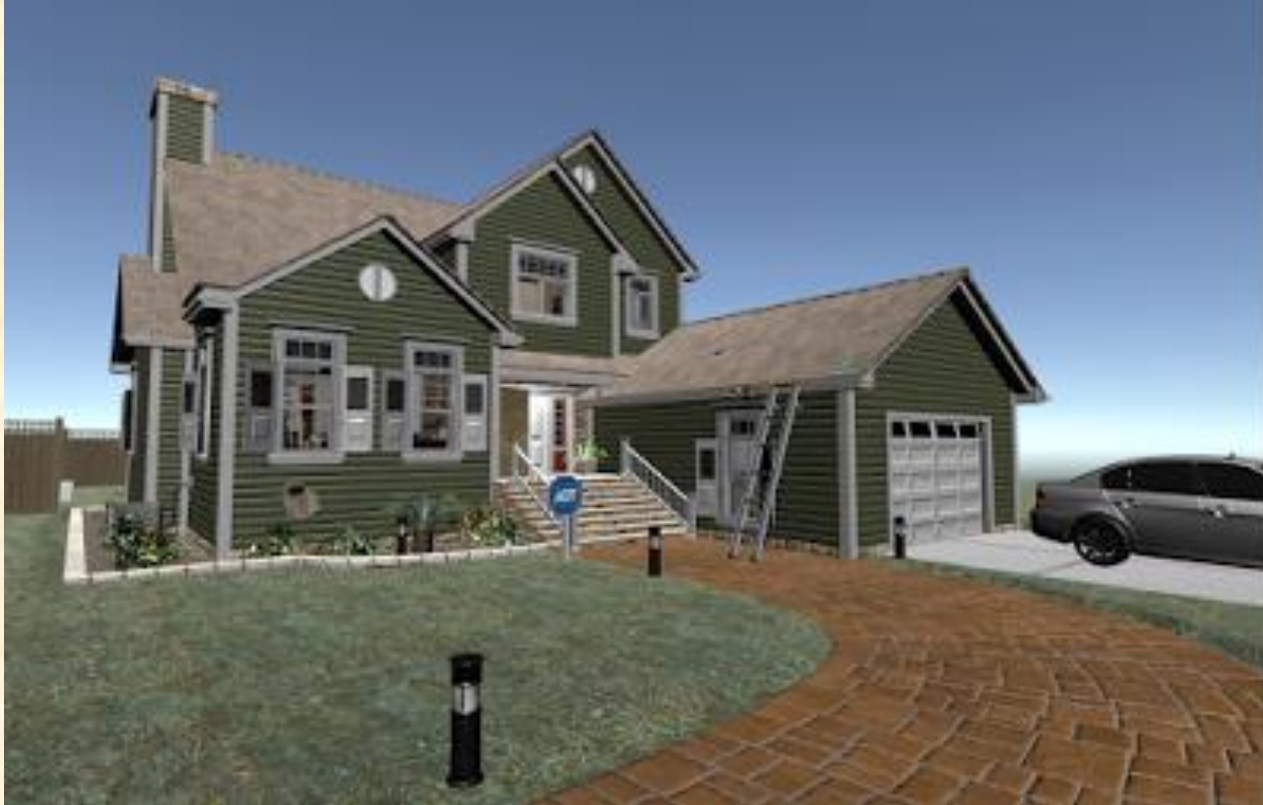


Team Auto-Owners Beta Presentation

Team Auto-Owners Beta Presentation

a.

Scene View



The Capstone Experience



Team Auto-Owners Beta Presentation

a.

Game House View



The Capstone Experience



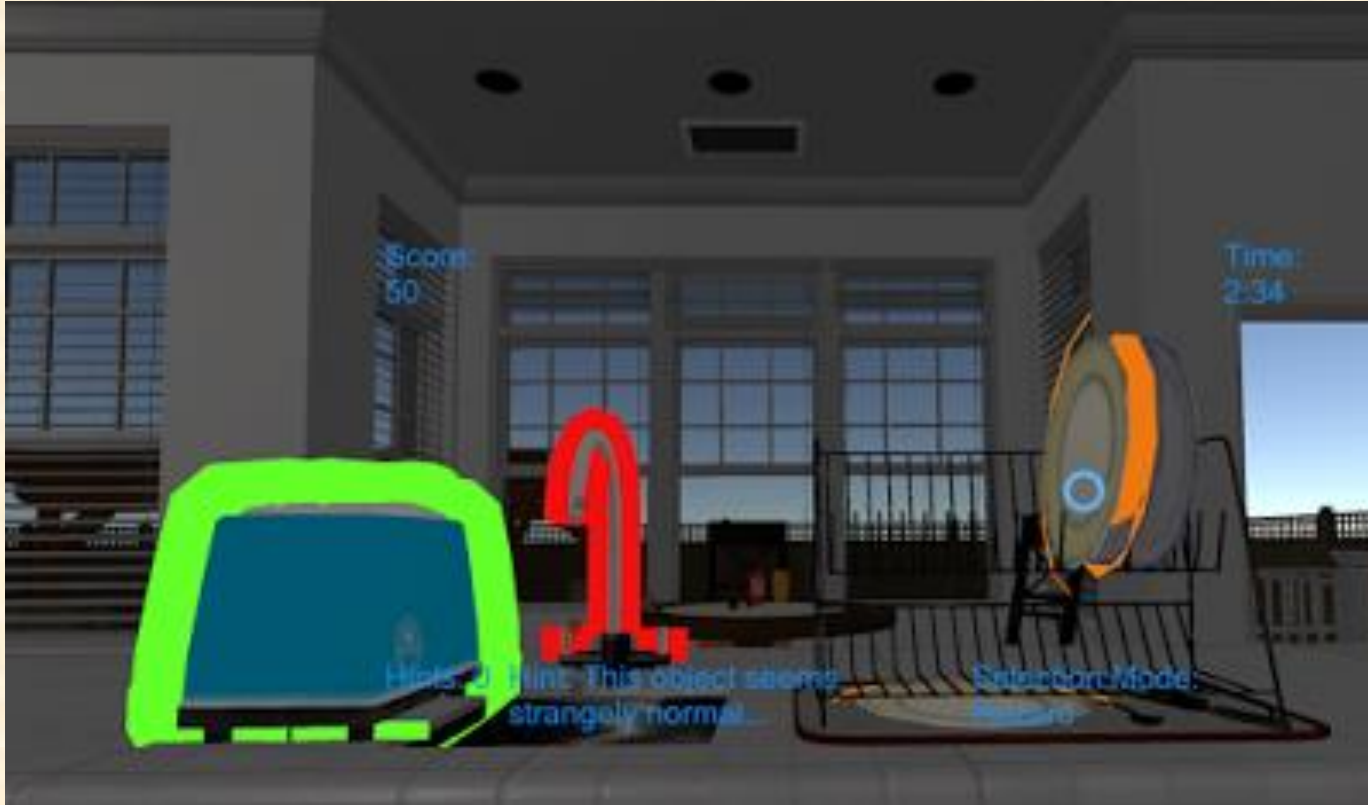


Team Auto-Owners Beta Presentation

Team Auto-Owners Beta Presentation

a.

Game Interactions



The Capstone Experience





Team Auto-Owners
Design Day

MICHIGAN STATE
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The Capstone Experience

Team Avata

Department of Computer Science and Engineering
Michigan State University
Fall 2017



*From Students...
...to Professionals*



Avata

INTELLIGENCE



Applications ▾

Products ▾

About ▾

News

Contact Us



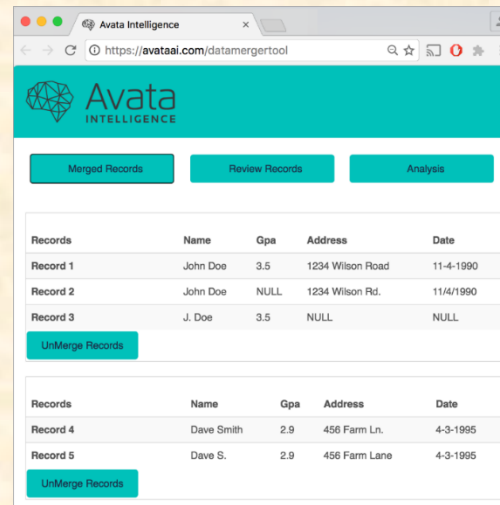
Advance Your Tomorrow with Data-Driven AI

Avata Intelligence's solutions show organizations exactly when, where, and how to minimize risk, allocate

Team Avata Project Overview

Security Analytics Suite: Configuration Setup Tool

- Functionalities
 - Transform and Ingest Various Data Formats
 - Into Ava for Public Safety Solution
 - To Reduce Customer Acquisition Cost and Time
- Features
 - Design and Build Interactive User Interface
 - Provide Way to Map User's Taxonomy to Avata's Taxonomy
 - Use ReactJS for Mapping User Interface
 - Draw on Map
 - Capture Date and Time Ranges
 - Create Hierarchical Ontologies
 - Support JSON, SQL and MySQL Configurations
- Technologies
 - React JS
 - Java 8
 - Spring Boot framework
 - Hibernate Framework
 - JSON, SQL and MySQL
 - ArcGIS Mapping Tools
 - RESTful Web Services



Records	Name	Gpa	Address	Date
Record 1	John Doe	3.5	1234 Wilson Road	11-4-1990
Record 2	John Doe	NULL	1234 Wilson Rd.	11/4/1990
Record 3	J. Doe	3.5	NULL	NULL

UnMerge Records

Records	Name	Gpa	Address	Date
Record 4	Dave Smith	2.9	456 Farm Ln.	4-3-1995
Record 5	Dave S.	2.9	456 Farm Lane	4-3-1995

UnMerge Records





Team Avata

Zack Lumley, Ashley Gagnon, Chantz Johnson, Meenu Sundararaju, Sean Edwards

Team Avata Project Plan Presentation

2.

Screen Mockup

Client Configuration Tool

← → ↻

≡ Client Information Setup Avata Intelligence

User Roles

☐ Role 1 ☐ Role 2

Modules

☐ Module 1 ☐ Module 2

Shifts

User Display

<input type="text" value="Shift Name"/>	<input type="text" value="Start Time"/>	<input type="text" value="End Time"/>
<input type="text" value="Shift Name"/>	<input type="text" value="Start Time"/>	<input type="text" value="End Time"/>

Reports

☐ Use same as above

Deployments

☐ Use same as above

☐ MsSQL ☐ MySQL



Information Setup

Partial screenshot of the Information Setup screen showing input fields for Name, Email, and Phone.

Screen Mockup: Information Setup

Full screenshot of the Information Setup screen. The screen displays a 'Client Configuration Tool' window with the following sections:

- Client Information:** Client Name (text input), Client Address (text input), Client Phone (text input), Client Email (text input).
- User Roles:** Role 1 (checkbox), Role 2 (checkbox).
- Modules:** Module 1 (checkbox), Module 2 (checkbox).
- Shifts:** Shift 1 (text input), Shift 2 (text input), Shift 3 (text input), Shift 4 (text input), Shift 5 (text input), Shift 6 (text input).
- Reports:** Report 1 (checkbox), Report 2 (checkbox), Report 3 (checkbox), Report 4 (checkbox).
- Export Options:** Export User Roles, Export ACL, Export Shifts.

The Capstone Experience

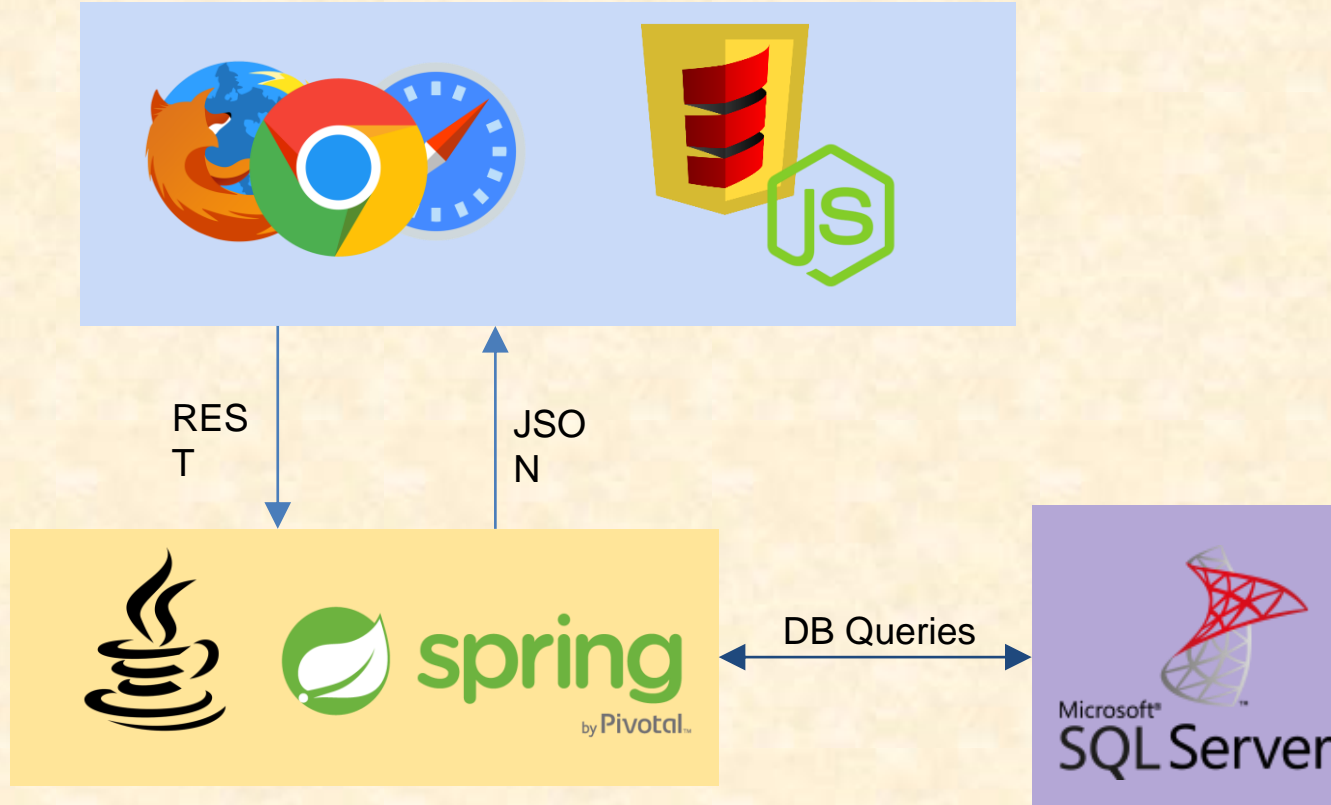
Team Avata: Project Plan Presentation

Team Avata
Project Plan Presentation

Team Avata Project Plan Presentation

2.

Architecture Diagram



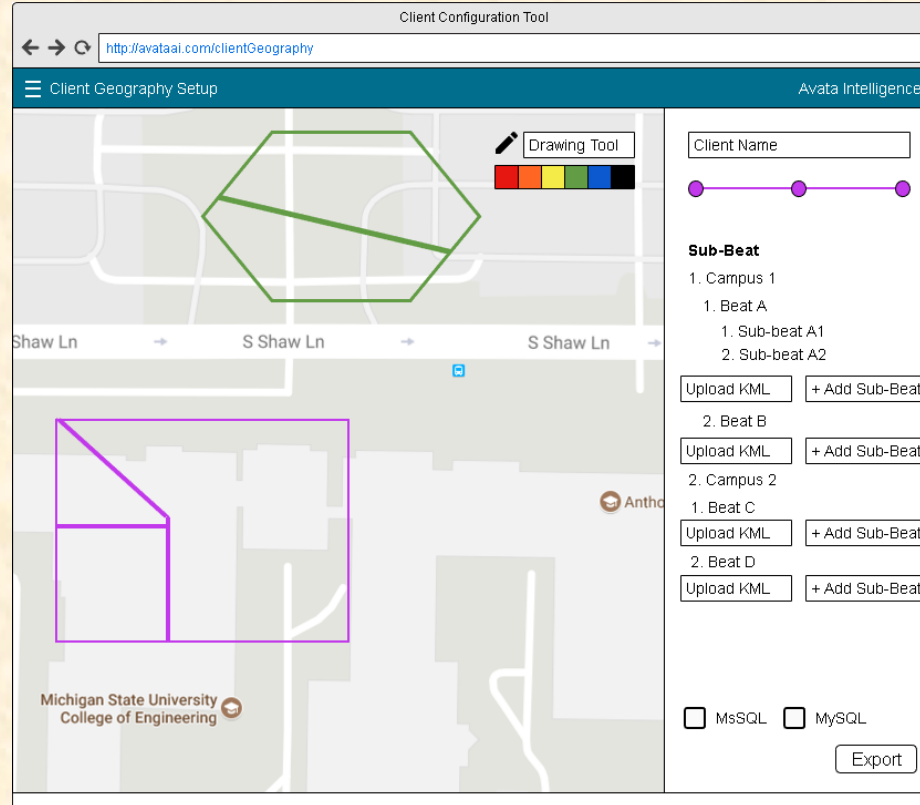


Team Avata Project Plan Presentation

Team Avata Project Plan Presentation

2.

Screen Mockup





Team Avata Alpha Presentation

Team Avata Alpha Presentation

Information Setup: Roles & Modules

Client Configuration Tool

localhost:63342/cse498-avataui/cse498-avataui/public/index.html?firstname=#

Avata Intelligence

Client Information Setup

Client Geography Setup

Client Taxonomy Setup

Roles and Modules

Shifts

MSU Police

Select Roles:

☐ Chief ☒ Captain ☐ Major ☒ Sergeant ☐ Private

Select Modules:

☐ Heat Map ☒ Camera ☐ Topographical

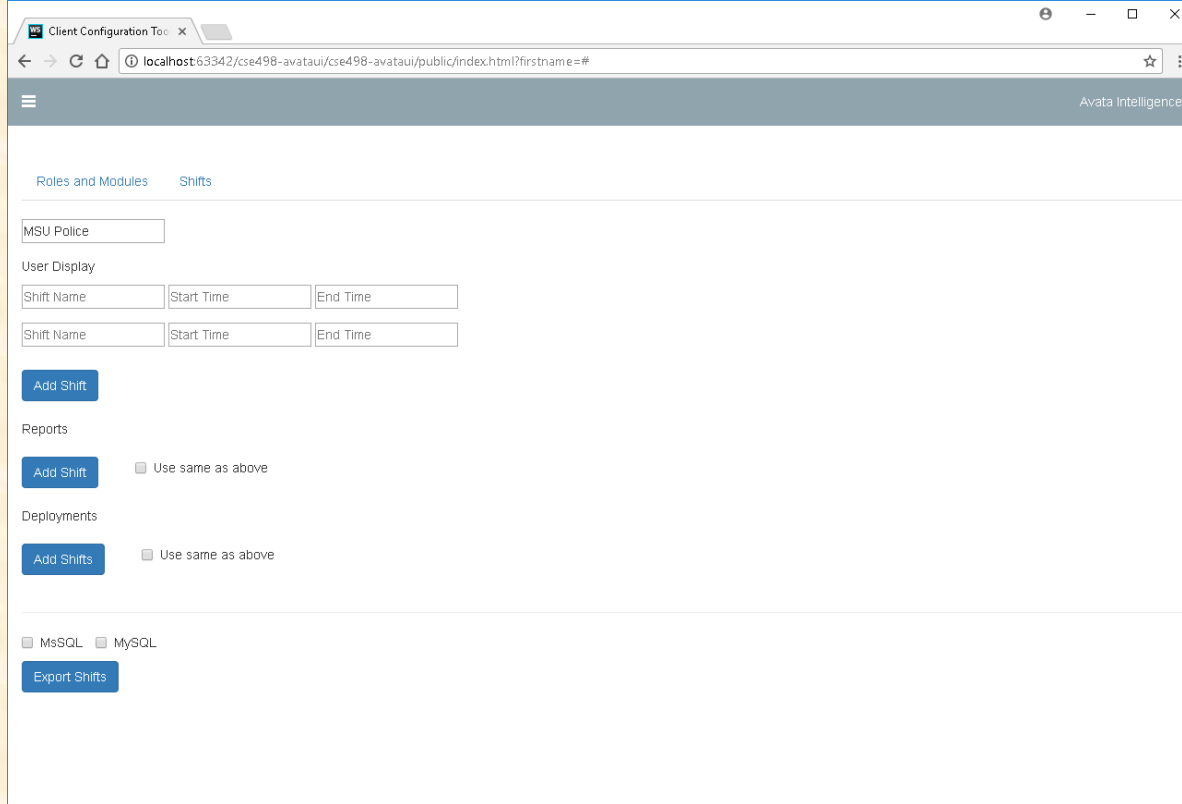
☐ MsSQL ☒ MySQL

Export User Roles

Team Avata Alpha Presentation

a.

Information Setup: Shifts



The screenshot shows a web browser window titled "Client Configuration Tool" with the address bar displaying "localhost:63342/cse498-avataui/cse498-avataui/public/index.html?firstname=#". The page header includes a menu icon and the text "Avata Intelligence".

The main content area is divided into two tabs: "Roles and Modules" and "Shifts". The "Shifts" tab is active.

Under the "Shifts" tab, there is a form for configuring shifts. It includes a text input field labeled "MSU Police". Below this, there is a section for "User Display" with two rows of input fields for "Shift Name", "Start Time", and "End Time".

Below the "User Display" section, there is a blue button labeled "Add Shift".

Below the "Add Shift" button, there is a section for "Reports" with a blue button labeled "Add Shift" and a checkbox labeled "Use same as above".

Below the "Reports" section, there is a section for "Deployments" with a blue button labeled "Add Shifts" and a checkbox labeled "Use same as above".

At the bottom of the form, there are two checkboxes: "MsSQL" and "MySQL". Below these checkboxes is a blue button labeled "Export Shifts".



What's left to do?

- Finish UI
 - Buttons
 - Sidebars
- Encapsulate front-end data in format that back-end can consume
- Export MySQL/MySQL file
- Implement front-end validation for polygon overlapping
- Finish data hierarchy
 - Geography
 - Taxonomy



Team Avata Alpha Presentation

What's left to do?

- Finish UI
 - Buttons
 - Sidebars
- Encapsulate front-end data in format that back-end can consume
- Export MySQL/MySQL file
- Implement front-end validation for polygon overlapping
- Finish data hierarchy
 - Geography
 - Taxonomy

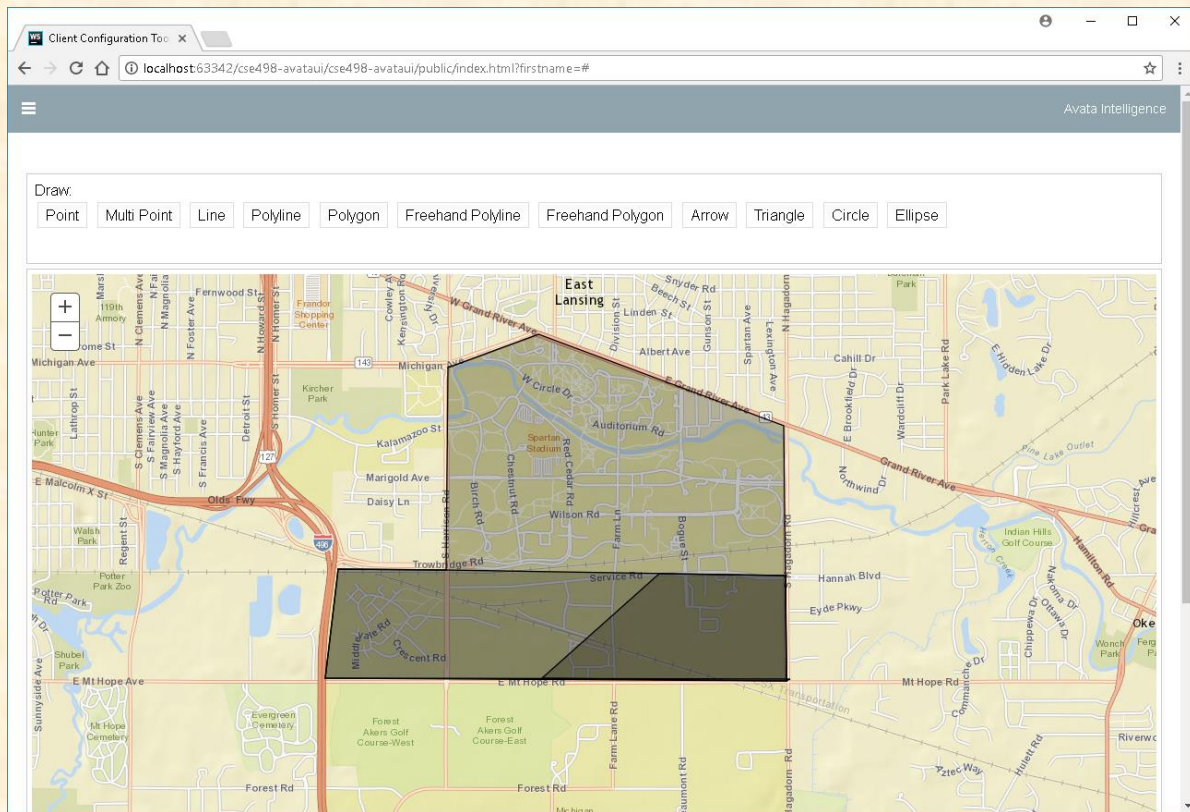


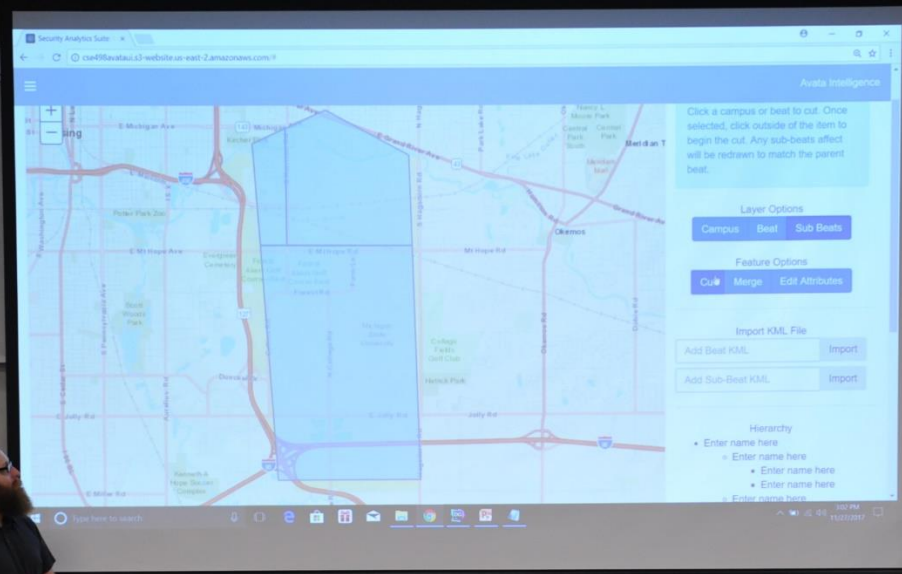
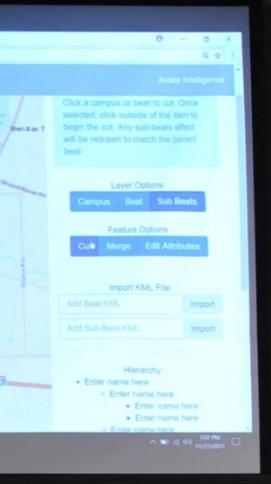
Team Avata
Alpha Presentation

Team Avata Alpha Presentation

2.

Geography Setup



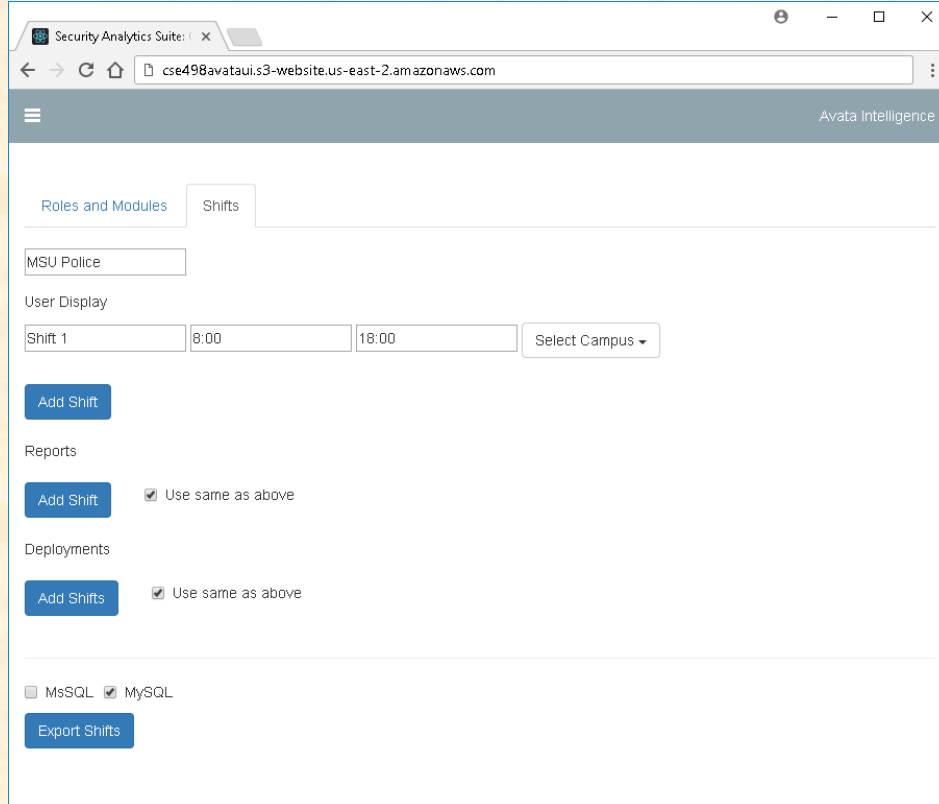


Team Avata Beta Presentation

Team Avata Beta Presentation

a.

Information: Shifts



The screenshot shows a web browser window with the title 'Security Analytics Suite: x'. The address bar displays 'cse498avataui.s3-website.us-east-2.amazonaws.com'. The page header includes a menu icon and 'Avata Intelligence'. The main content area has two tabs: 'Roles and Modules' and 'Shifts'. Under the 'Shifts' tab, there is a text input field containing 'MSU Police'. Below this is a 'User Display' section with a dropdown menu showing 'Shift 1', two time input fields with '8:00' and '18:00', and a 'Select Campus' dropdown. There are three 'Add Shift' buttons. Below the buttons are 'Reports' and 'Deployments' sections, each with a checkbox labeled 'Use same as above' which is checked. At the bottom, there are radio buttons for 'MsSQL' and 'MySQL' (which is selected), and an 'Export Shifts' button.

Security Analytics Suite: x

cse498avataui.s3-website.us-east-2.amazonaws.com

Avata Intelligence

Roles and Modules Shifts

MSU Police

User Display

Shift 1 8:00 18:00 Select Campus

Add Shift

Reports

Add Shift ☒ Use same as above

Deployments

Add Shifts ☒ Use same as above

☐ MsSQL ☒ MySQL

Export Shifts



Team Avata Beta Presentation

2.

Geography: Campuses

The screenshot displays the Avata Intelligence web application. The browser address bar shows the URL: `cse498avataui.s3-website-us-east-2.amazonaws.com/?firstname=#`. The application title is "Security Analytics Suite" and the user is logged in as "Avata Intelligence".

The main map area shows a street map of East Lansing, Michigan. A blue polygon is drawn over a campus area, indicating a selected region. The map includes labels for streets such as W Grand River Ave, E Grand River Ave, and W Circle Dr, as well as landmarks like the Forest Aikens Golf Course and Michigan State University.

On the right side of the map, there is a control panel with the following sections:

- Instructions:** Click to begin drawing. Double click to finish drawing. Your polygon must have at least 3 sides.
- Layer Options:** Buttons for "Campus", "Beat", and "Sub Beats".
- Feature Options:** Buttons for "Add", "Delete", and "Free Hand Add".
- Import KML File:** Buttons for "Add Beat KML" and "Add Sub-Beat KML", each with an "Import" button.
- Hierarchy:** A list showing "Campus 1" and "Campus 2".
- Submit:** A green button to submit the drawing.





Team Avata Beta Presentation

Team Avata Beta Presentation

2.

Geography: Beats

Security Analytics Suite | X

← → ↻ 🏠 🔍 cse498avataui.s3-website-us-east-2.amazonaws.com/?firstname=# ☆ ⋮

Avata Intelligence

Click a campus or beat to cut. Once selected, click outside of the item to begin the cut. Any sub-beats affect will be redrawn to match the parent beat.

Layer Options

Campus Beat Sub Beats

Feature Options

Cut Merge Free Hand Cut

Import KML File

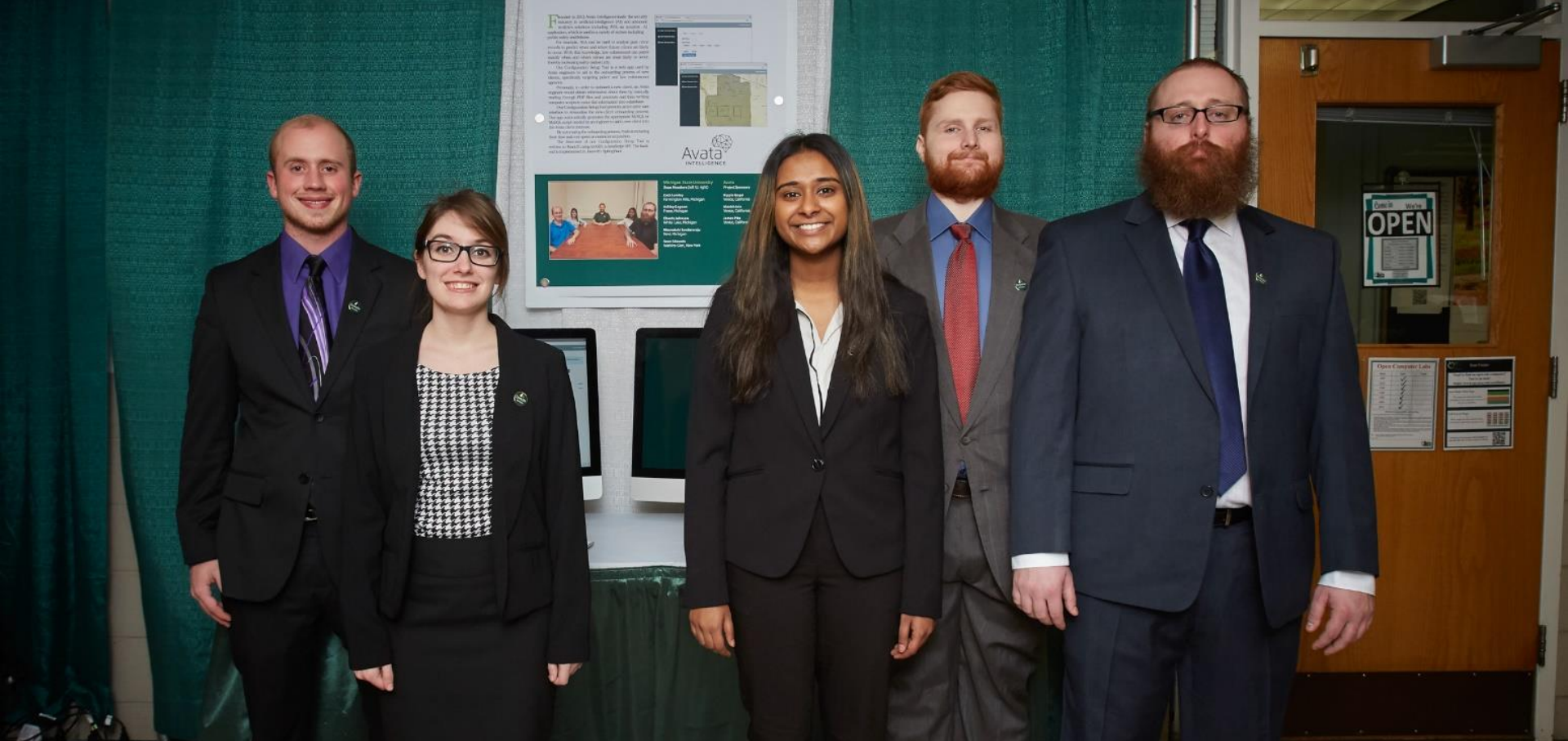
Add Beat KML Import

Add Sub-Beat KML Import

Hierarchy

- Campus 1
 - Beat 1
 - Beat 2
 - Beat 3
- Campus 2

Submit



Team Avata Design Day

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The Capstone Experience

Team Ford

Department of Computer Science and Engineering
Michigan State University
Fall 2017



*From Students...
...to Professionals*





Go Further

[Cars](#)

[Crossovers & SUVs](#)

[Trucks & Vans](#)

[Shopping Tools](#)

[Owner](#)

[Find a Dealer](#)

[Saved Items](#)



**39
YEARS**

FORD F-SERIES

**AMERICA'S
BEST
SELLING
TRUCKS**



2016 SUPER DUTY

Team Ford

Project Overview

Ford Smart Parking

- Functionalities
 - Notify Drivers of Nearby Available Parking Spaces
 - That Fit Their Model Vehicle
 - Using Ford's Sync 3
- Features
 - Create and Manage User Profiles
 - Enable User Flagging of Open Parking Spaces
 - Dimensions
 - GPS Location
 - Timestamp
 - Integrate with Google Tango
 - Send Notifications to Sync 3
 - Receives Notifications of Available Spaces
 - Notifies Remote Server When Space Taken
 - Design and Build Sync 3 App
- Technologies
 - Lenovo Phab 2 Pro
 - Google Android Tablets and Phones / Java
 - Google Tango
 - Java 2 Platform Enterprise Edition (J2EE)
 - Sync 3 Emulator and AppLink
 - Microsoft SQL Server 2016



Dearborn, Michigan





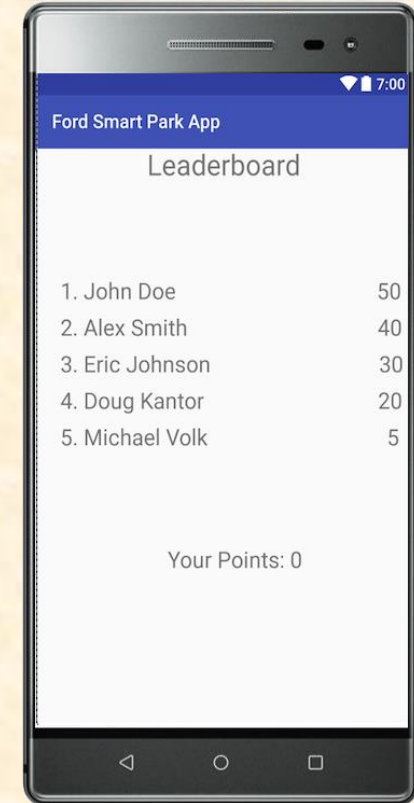
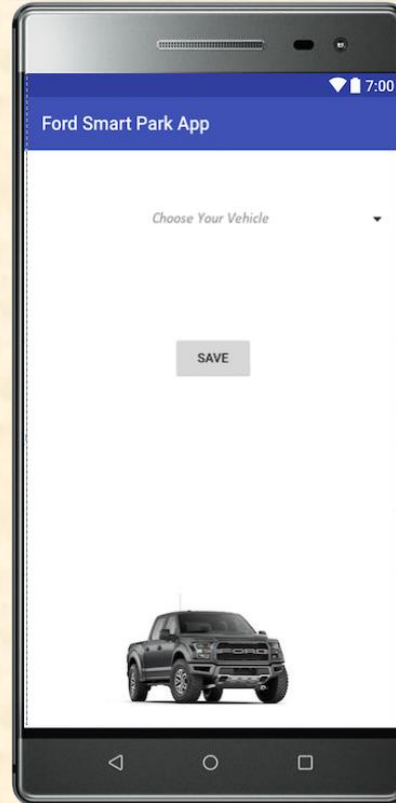
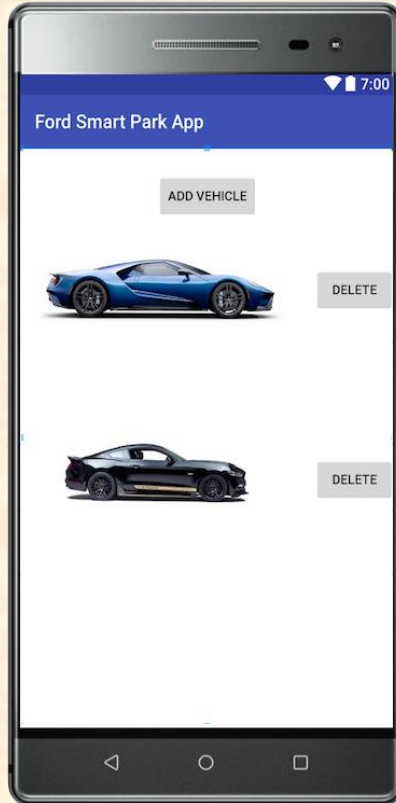
Team Ford

Rahul Patel, Doug Kantor, Helena Narowski, Eric Wu, Cheng Jin

Team Ford Project Plan Presentation

2.

Screen Mockup



Tango Parking



Screen Mockup: Google Tango Parking Spot Scanning



The Capstone Experience

Team Ford Project Plan Presentation

6

Screen M
Spot Scan

The Capstone Experience

Team Ford Project Plan Presentation

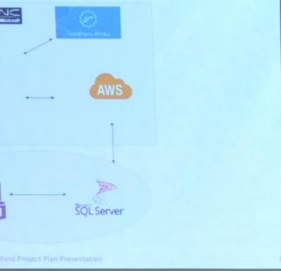
Team Ford Project Plan Presentation

e.

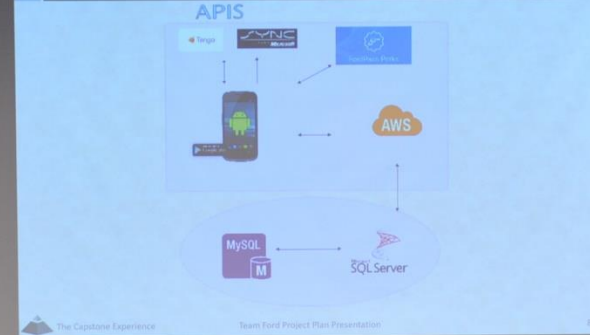
Architecture Diagram



Structure



System Architecture



System Archi

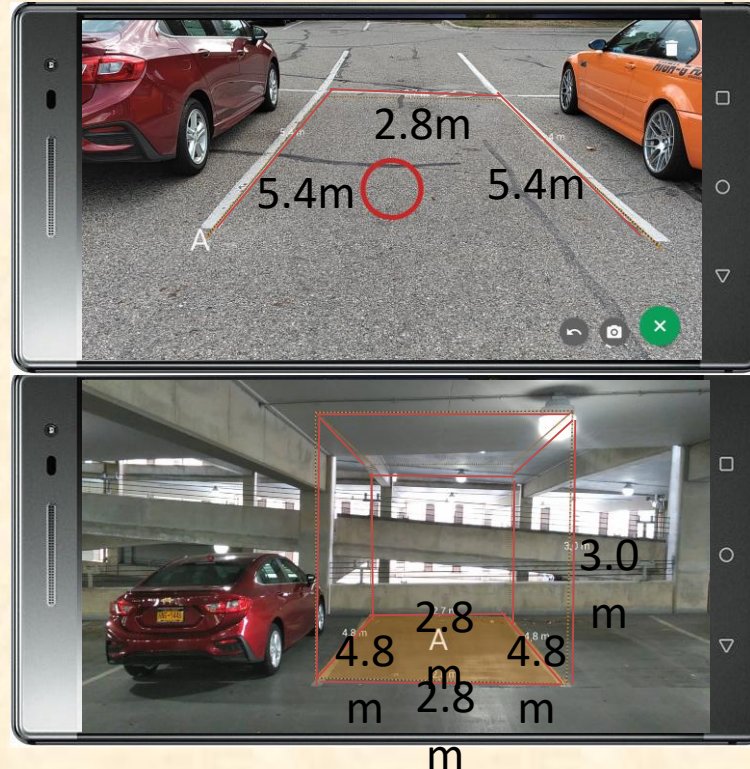


Team Ford
Project Plan Presentation

Team Ford Project Plan Presentation

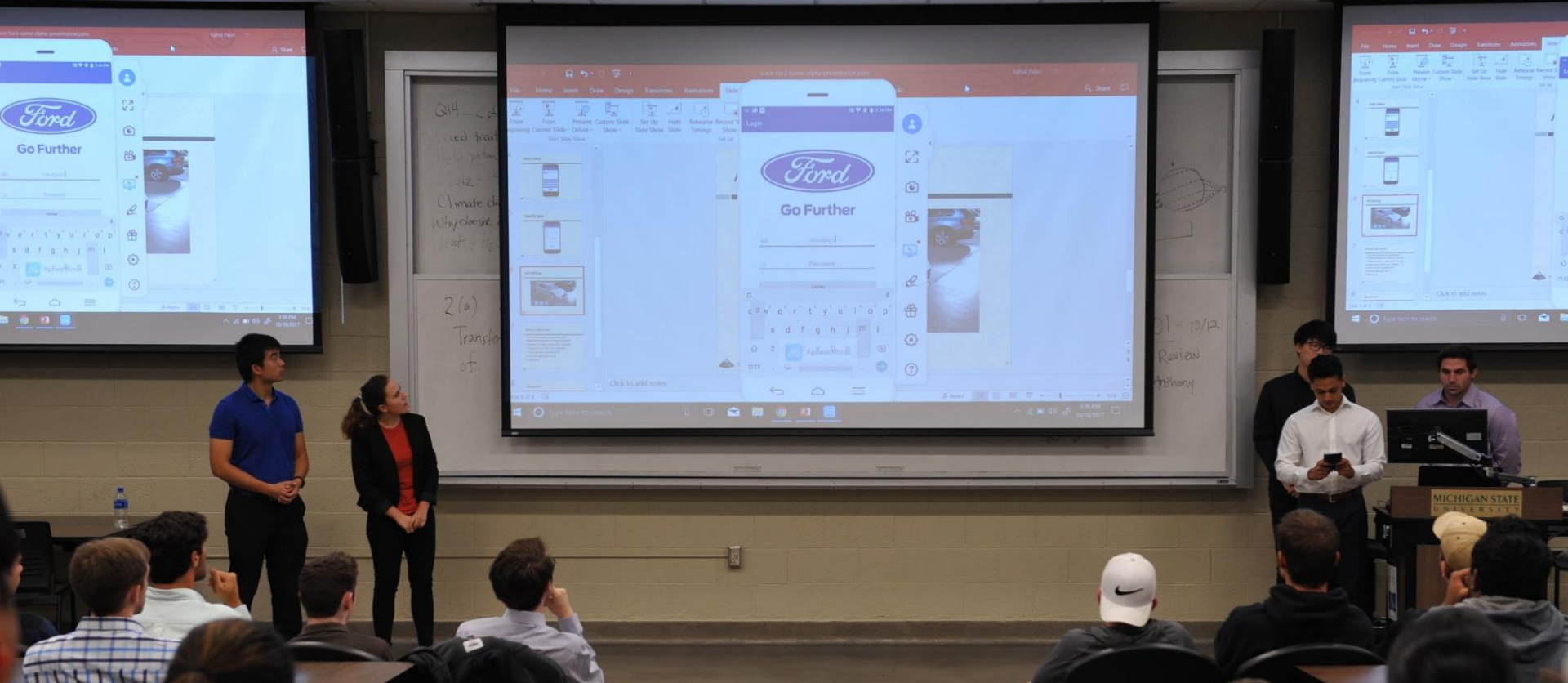
2.

Screen Mockup



Team Ford Project Plan
Presentation



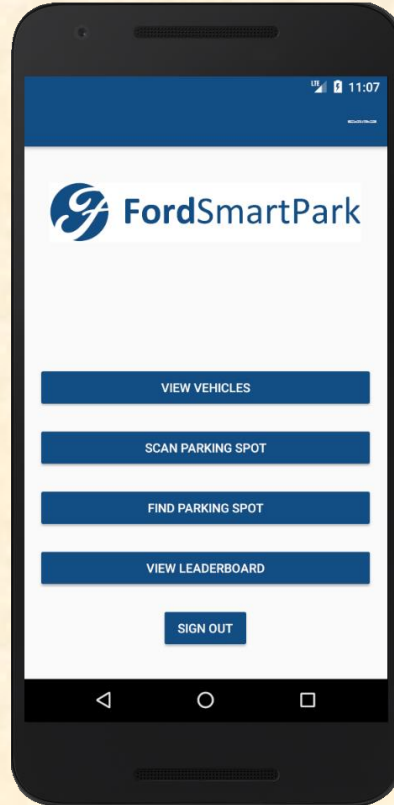


Team Ford Alpha Presentation

Team Ford Alpha Presentation

2.

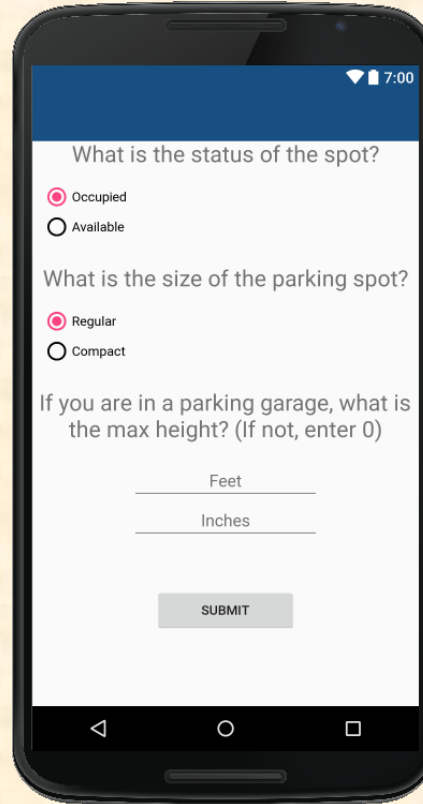
Main Menu



Team Ford Alpha Presentation

2.

Identify Spot



The image shows a smartphone screen with a mobile application interface. The screen has a blue header bar at the top. Below the header, the text "What is the status of the spot?" is displayed. There are two radio button options: "Occupied" (selected) and "Available". Below this, the text "What is the size of the parking spot?" is displayed. There are two radio button options: "Regular" (selected) and "Compact". Below this, the text "If you are in a parking garage, what is the max height? (If not, enter 0)" is displayed. There are two input fields: "Feet" and "Inches". Below the input fields is a "SUBMIT" button. The smartphone has a black bezel and a home button at the bottom.

What is the status of the spot?

☒ Occupied
☐ Available

What is the size of the parking spot?

☒ Regular
☐ Compact

If you are in a parking garage, what is the max height? (If not, enter 0)

Feet
Inches

SUBMIT





Team Ford Alpha Presentation

Team Ford Alpha Presentation

a.

AR Parking



The Capstone Experience



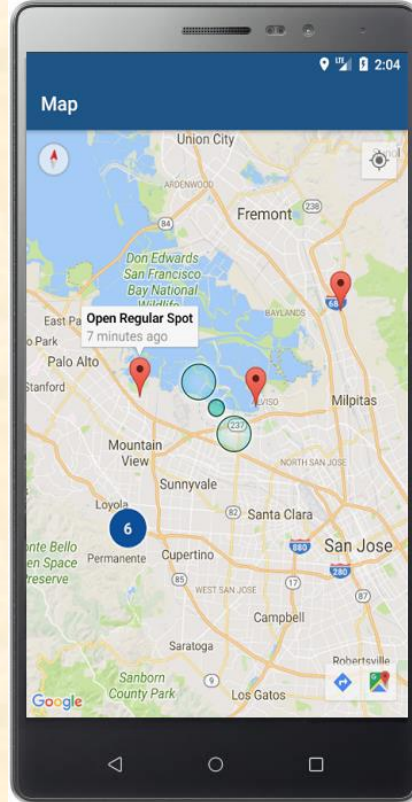


Team Ford Beta Presentation

Team Ford Beta Presentation

2.

Find Parking Spots



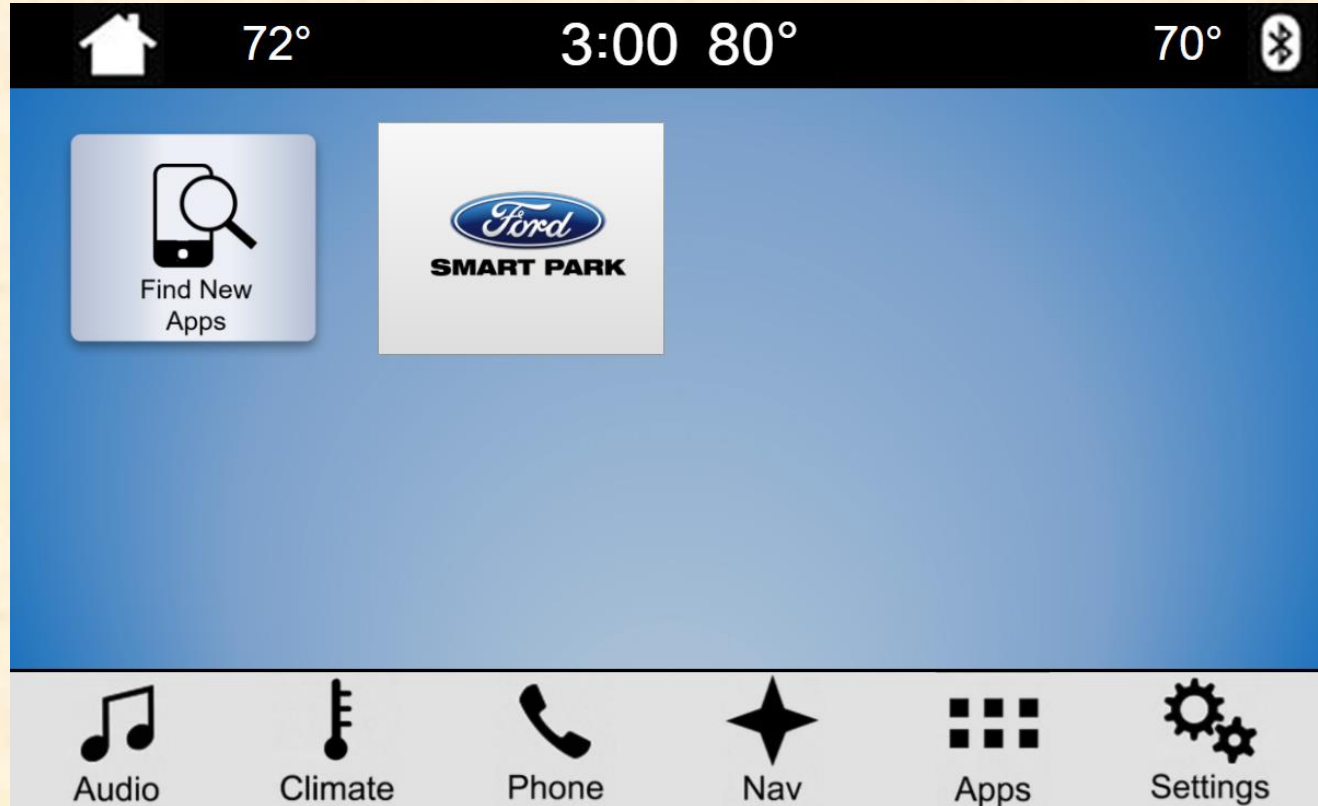
The Capstone Experience



Team Ford Beta Presentation

a.

Sync 3 Web



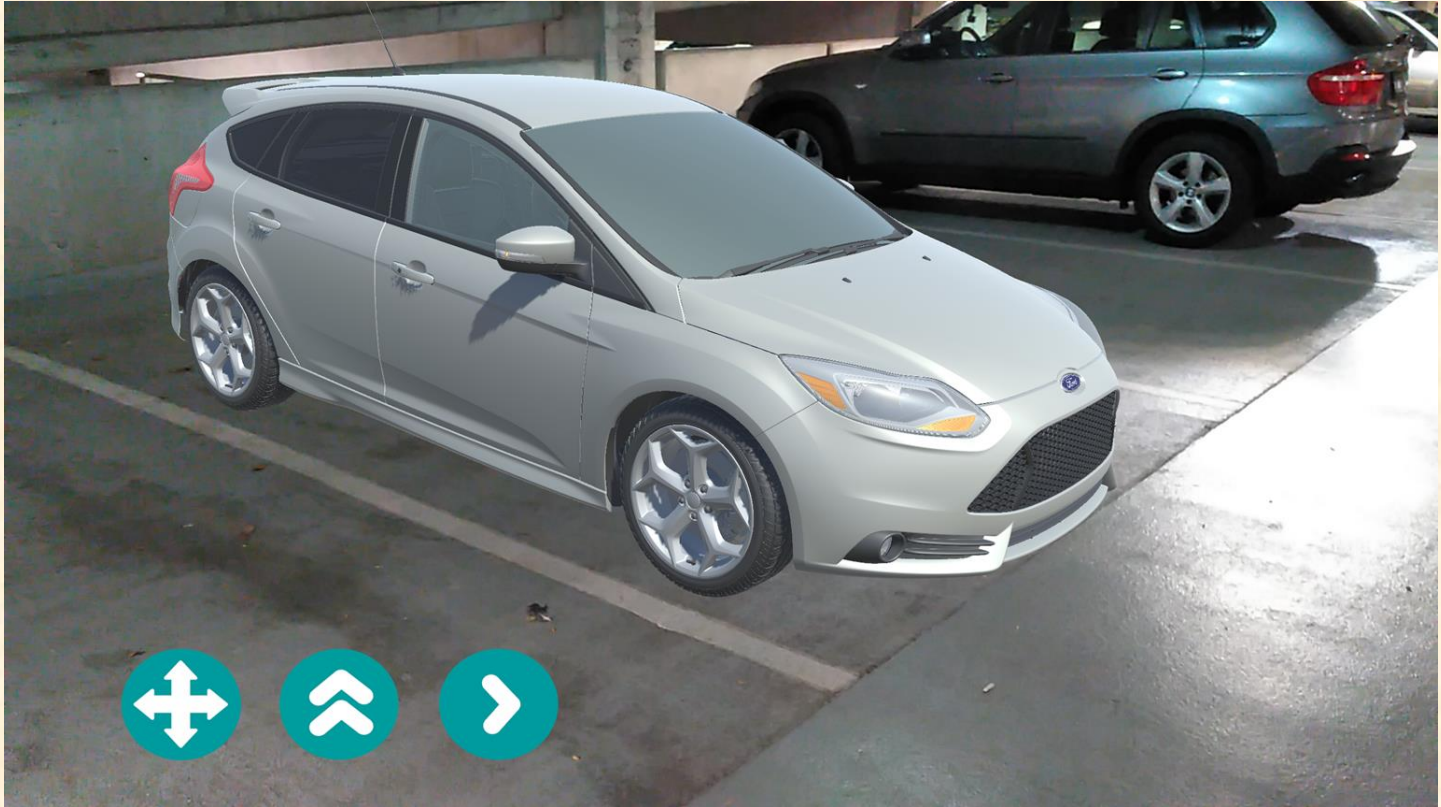


Team Ford Beta Presentation

Team Ford Beta Presentation

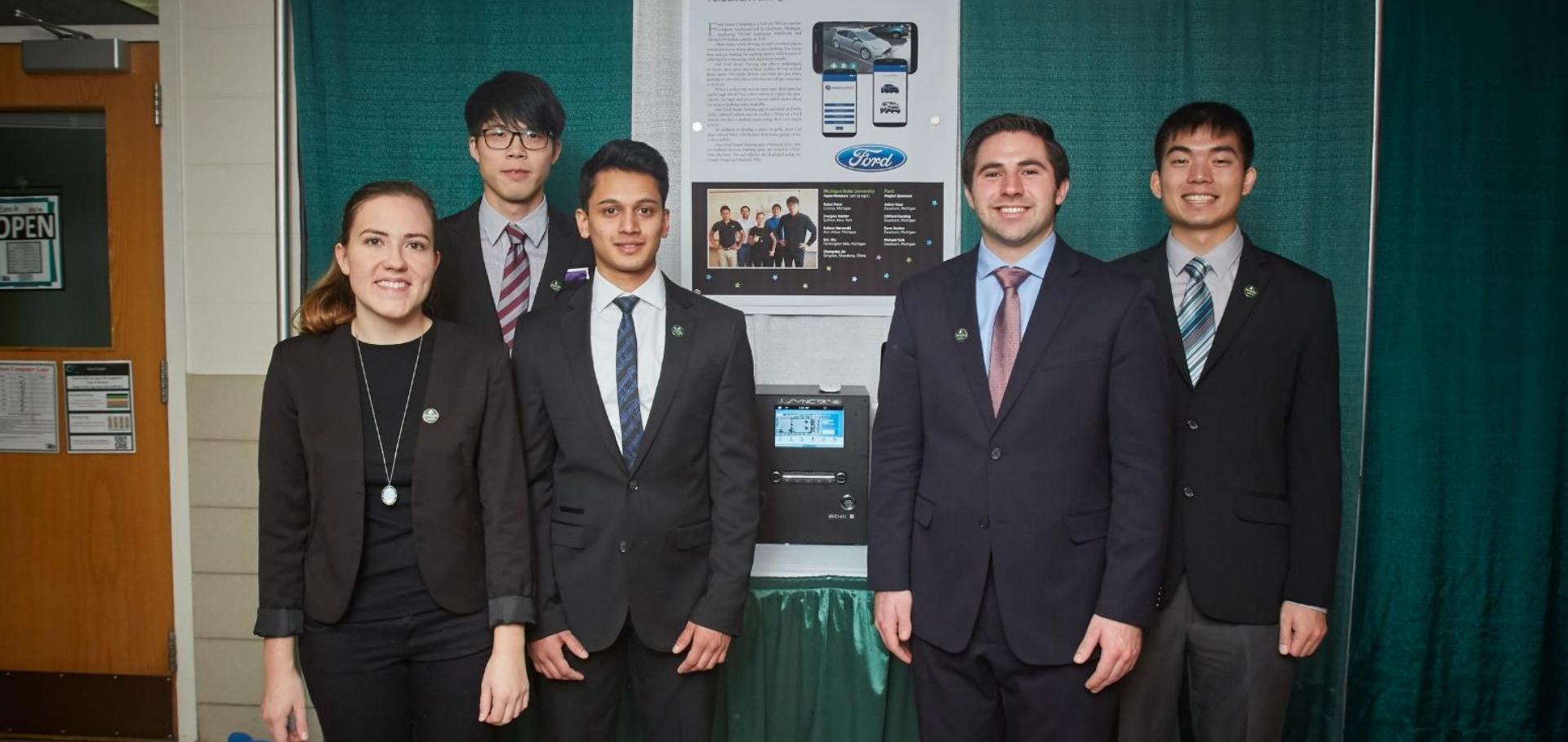
a.

AR Parking



The Capstone Experience





Team Ford
Design Day

MICHIGAN STATE
UNIVERSITY

The Capstone Experience

Team GM

Department of Computer Science and Engineering
Michigan State University
Fall 2017



From Students...
...to Professionals





GENERAL MOTORS



Select a Country

Contact Us

Search



SHOP FOR A VEHICLE



NEWS AND STORIES



OUR COMPANY



INVESTORS



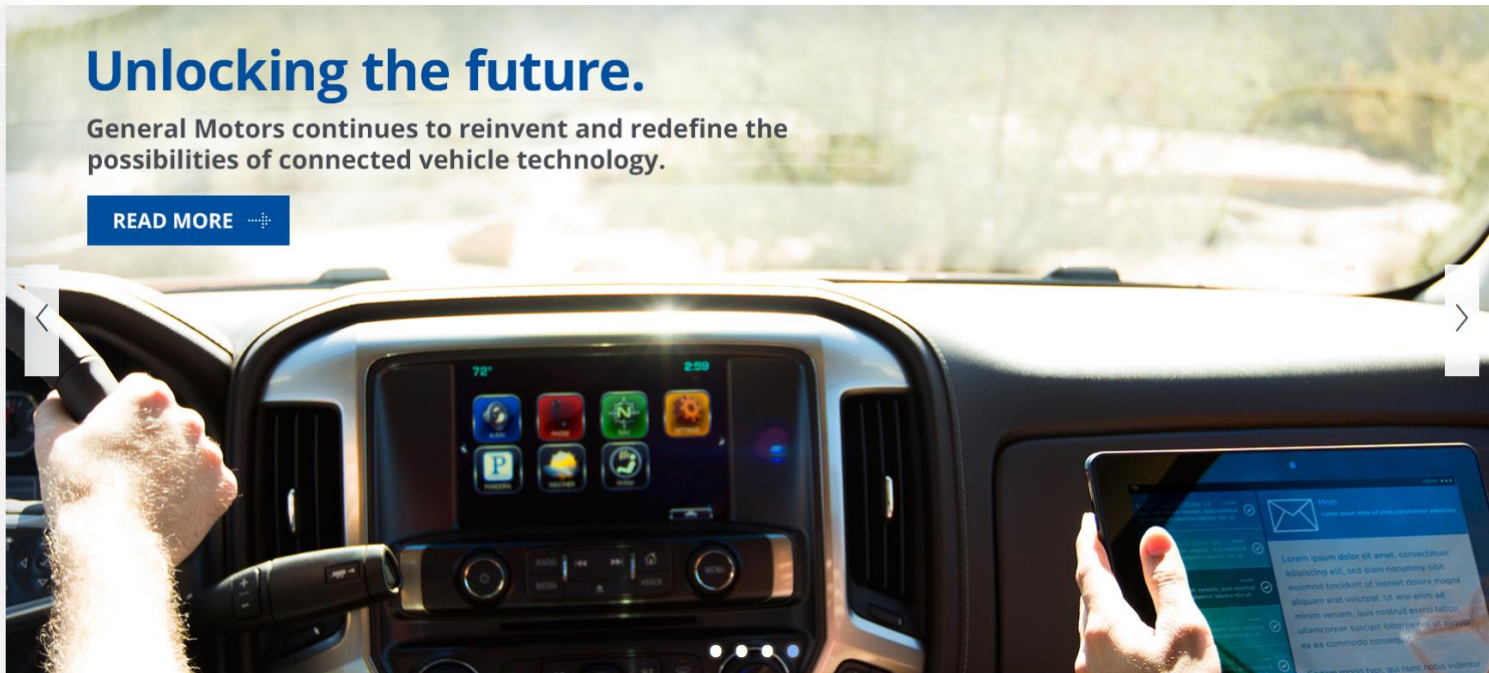
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General Motors continues to reinvent and redefine the possibilities of connected vehicle technology.

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Team GM

Project Overview

Automated Video Workplace Safety System

- Functionalities
 - Alert Employees of Safety Issues and Situations
 - Using Computer Analysis of Real-Time Camera Feeds
- Features
 - Design and Build Web and Mobile Apps
 - Utilize Camera to Watch Area of Concern
 - Leverage Image Recognition and Machine Learning (ML)
 - Identify People and Personal Protective Equipment (PPE)
 - Helmet
 - Eye Protection
 - Hearing Protection
 - Vest
 - Determine Safety Alerts
 - Send to Mobile App
 - Record in Centralized Database
 - Produce Summary Reports for Management
- Technologies
 - CSS / HTML / JavaScript / PHP
 - Google Android Tablets and Phones / Java
 - nVidia Deep Learning SDK
 - nVidia DGX-1 Deep Learning Hardware
 - Image Recognition
 - Machine Learning (ML)
 - Mobile Push Notifications



Detroit, Michigan





Team GM

Michael Peng, Marc Bellemare, Steve Levesque, Ike Uchendu, Damien Hong

Team GM Project Plan Presentation

2.

Screen Mockup

GENERAL MOTORS



HOME

NOTIFICATION HISTORY

MANAGER SETTINGS

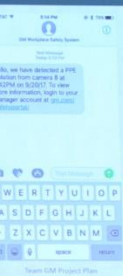
CAMERA MANAGEMENT

Recent Notifications

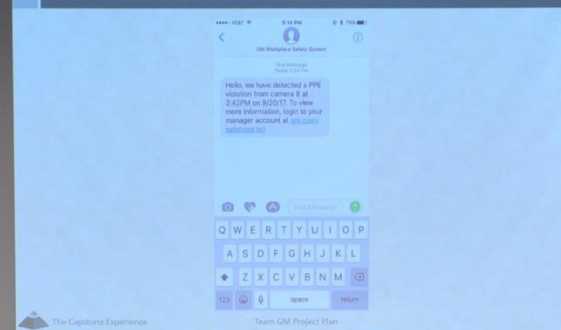
Camera	Area	Time	Date	Manager	PPE
3	D	10:41AM	9/25/17	Bob Smith	Eye Protection
8	A	12:11PM	9/25/17	Bob Smith	Headwear
5	C	1:23PM	9/25/17	Bob Smith	Gloves
14	E	3:35PM	9/25/17	Jay Jones	Headwear
7	B	4:03PM	9/25/17	Jay Jones	Eye Protection
1	F	5:57PM	9/25/17	Jay Jones	Gloves



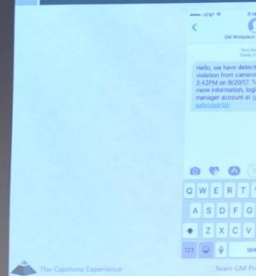
up: SMS Notification



Screen Mockup: SMS Notification



Screen Mockup: S

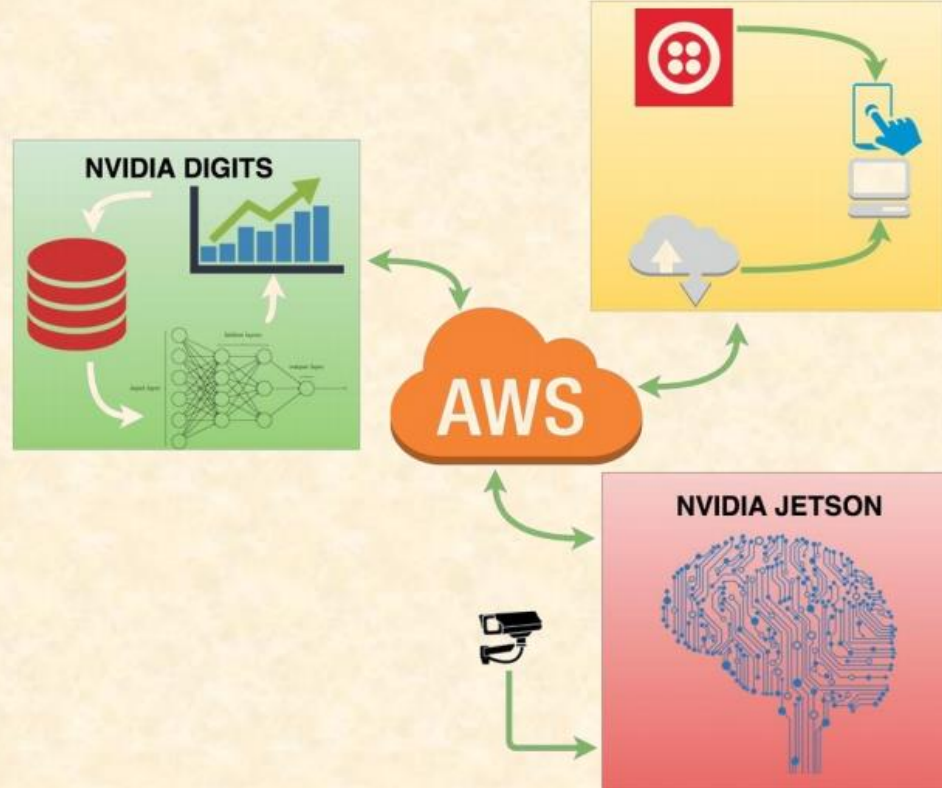


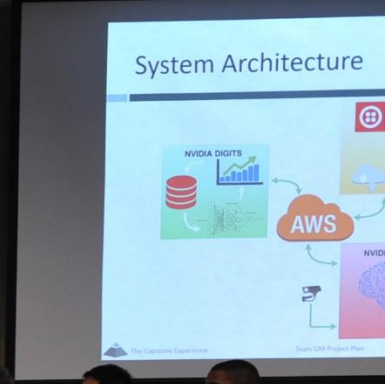
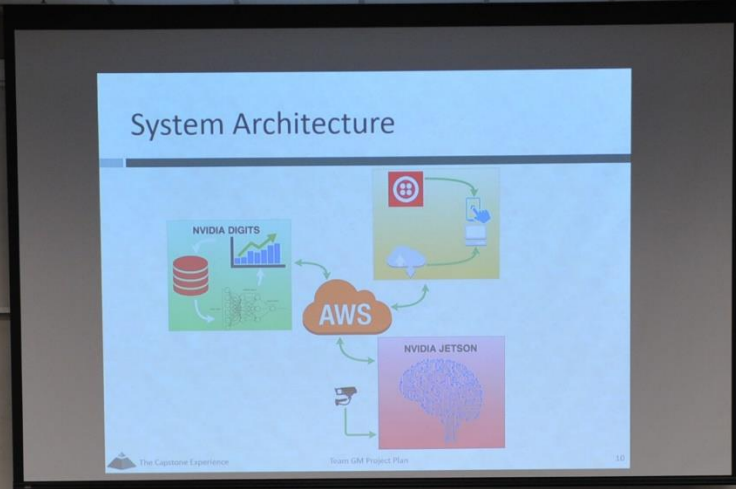
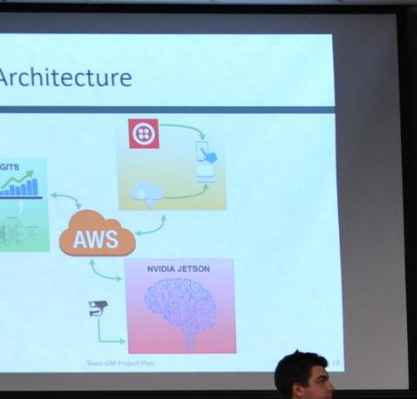
Team GM
Project Plan Presentation

Team GM Project Plan Presentation

2.

Architecture Diagram



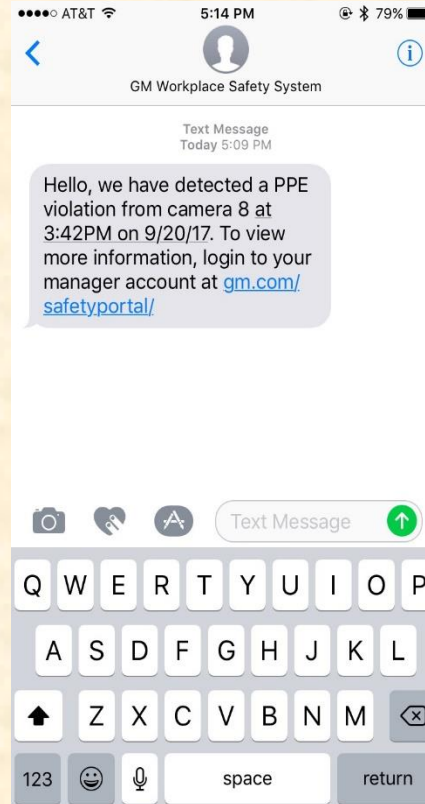


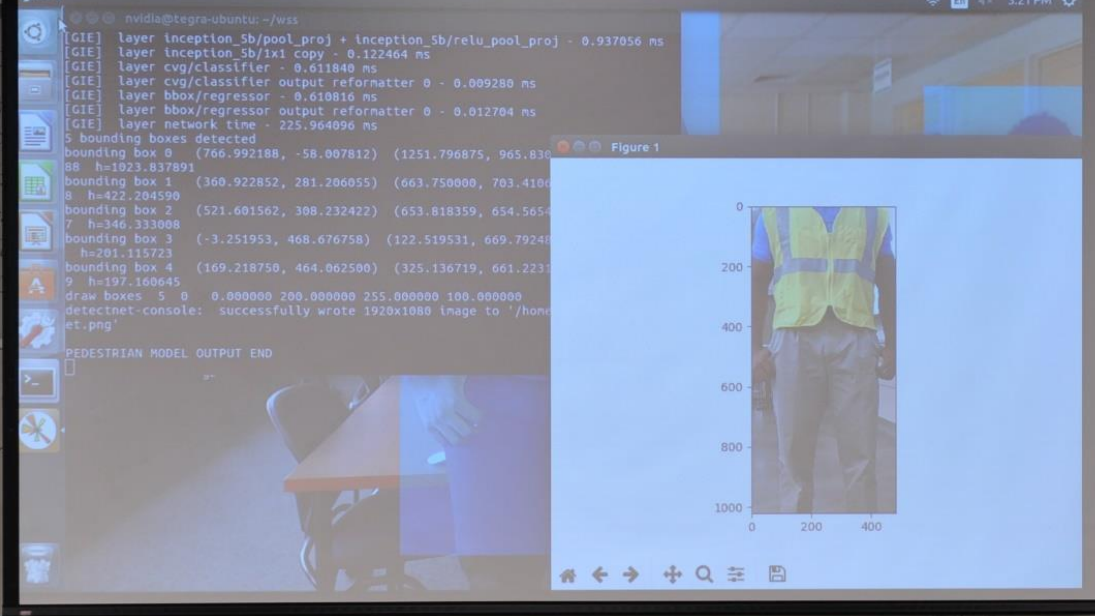
Team GM
Project Plan Presentation

Team GM Project Plan Presentation

2.

Screen Mockup





Team GM Alpha Presentation

Team GM Alpha Presentation

a.

Pedestrian Object Detection



The Capstone Experience



Team GM Alpha Presentation

a.

Web Portal

GENERAL MOTORS

Home

Notifications

Cameras

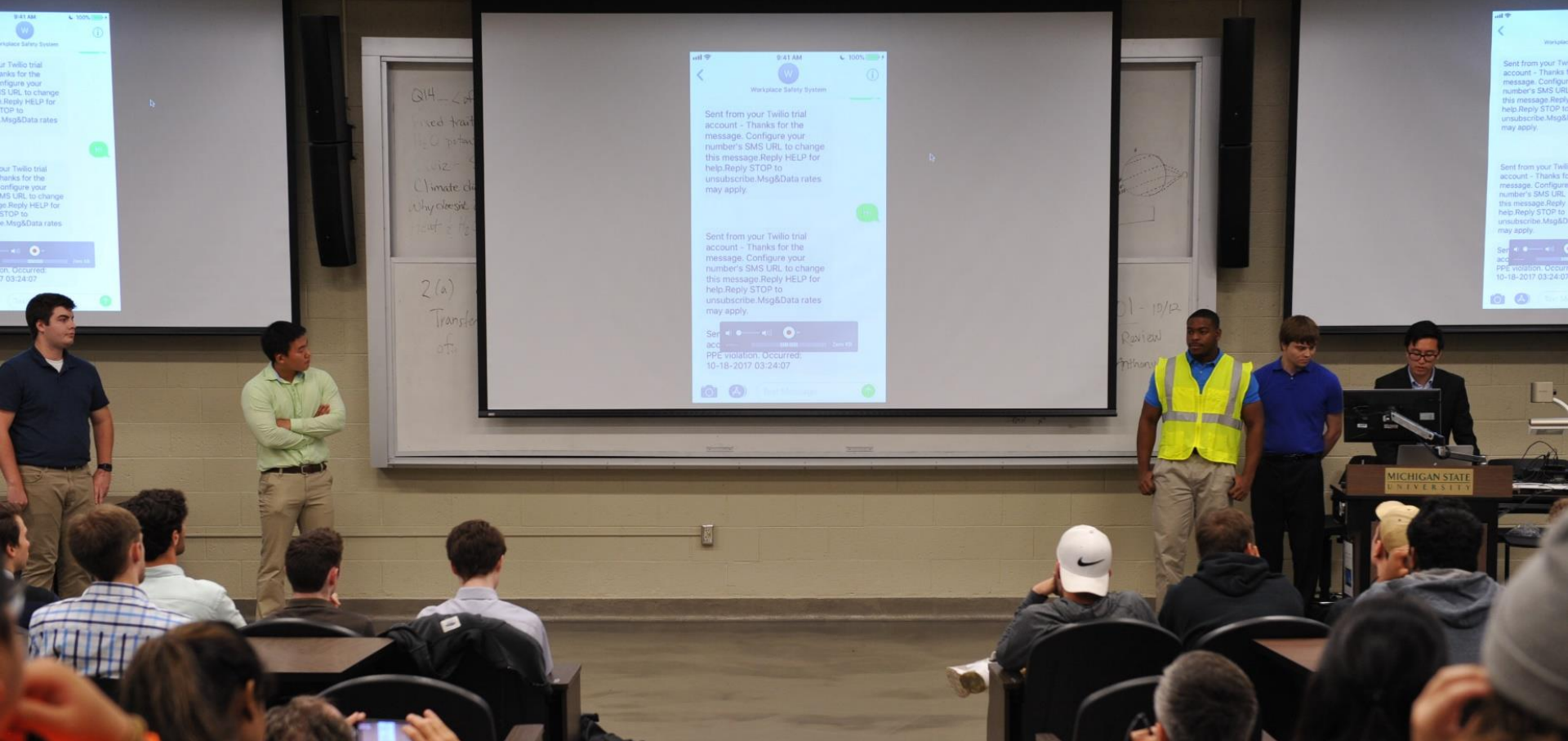
Analytics

Settings

Camera	Area	Time	Date
3	D	10:41 AM	9/25/2017
3	D	10:41 AM	9/25/2017

© 2017 General Motors



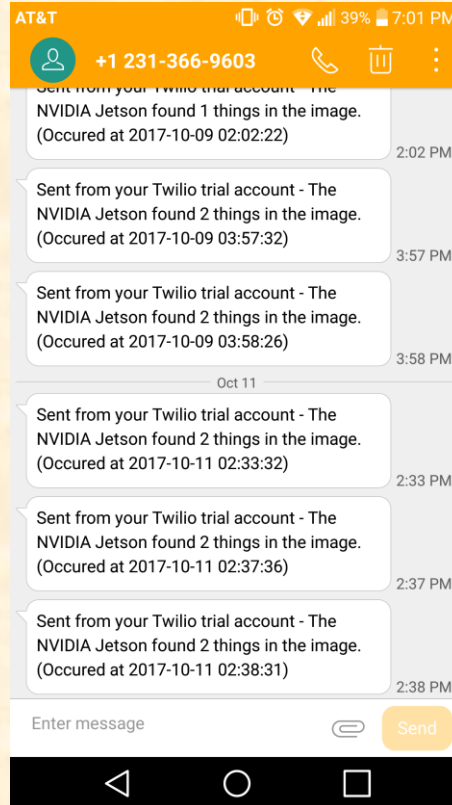


Team GM Alpha Presentation

Team GM Alpha Presentation

a.

Texting View



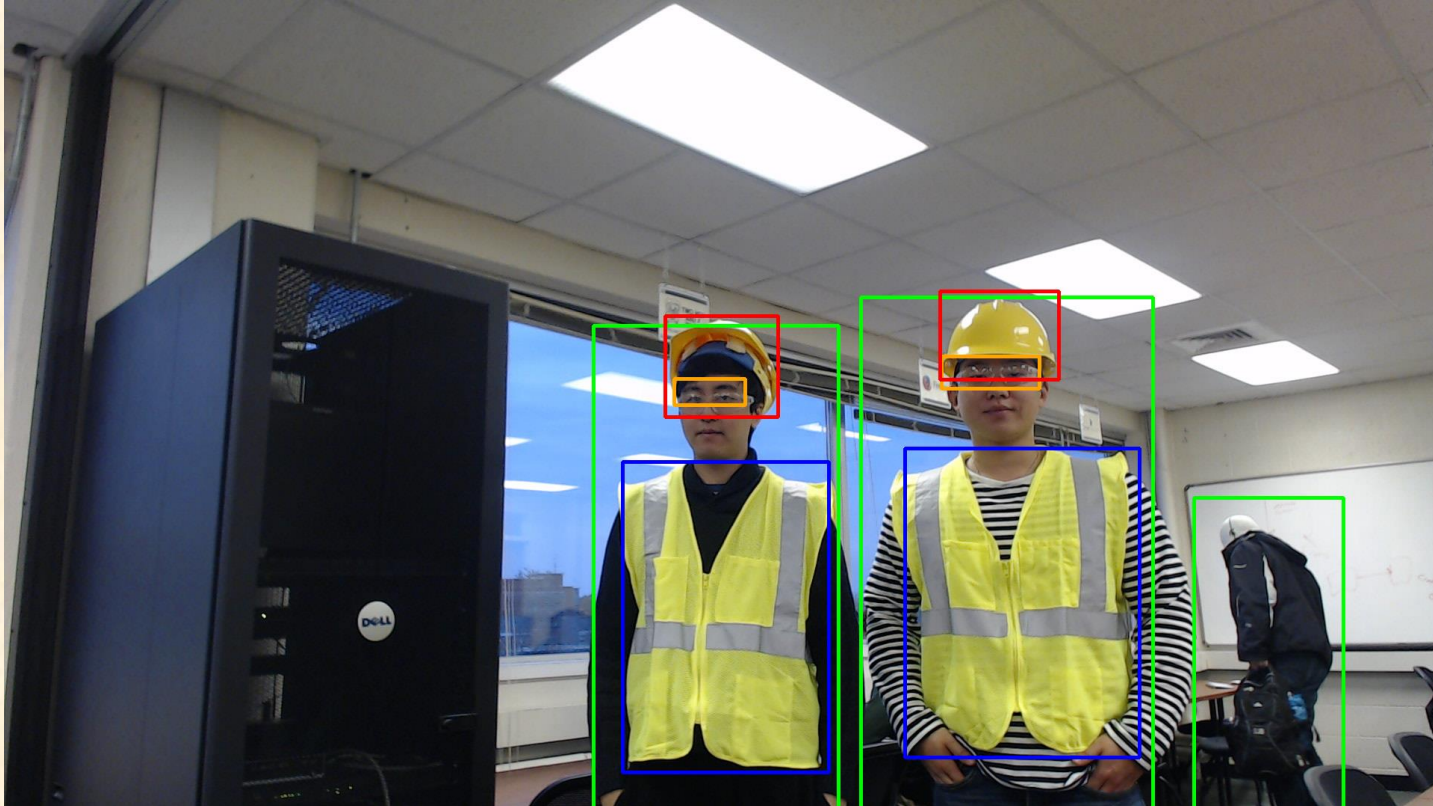


Team GM Beta Presentation

Team GM Beta Presentation

2.

Object Detection







The Capstone Experience



Team GM Beta Presentation

2.

Web Portal - Violations

<div></div> GENERAL MOTORS			
Workplace Safety System Home Violations Cameras Analytics Settings			
Camera Name	PPE Violated	Date	Violation Image
CameraA	vest	2017-11-09 14:19:54	View Violation Image
Muffler Rm Entr	vest	2017-11-09 18:02:45	View Violation Image
Muffler Rm Entr	vest	2017-11-10 16:42:43	View Violation Image
Muffler Rm Entr	vest	2017-11-10 16:47:04	View Violation Image
Muffler Rm Entr	vest	2017-11-10 16:48:31	View Violation Image
Muffler Rm Entr	vest	2017-11-10 16:49:17	View Violation Image



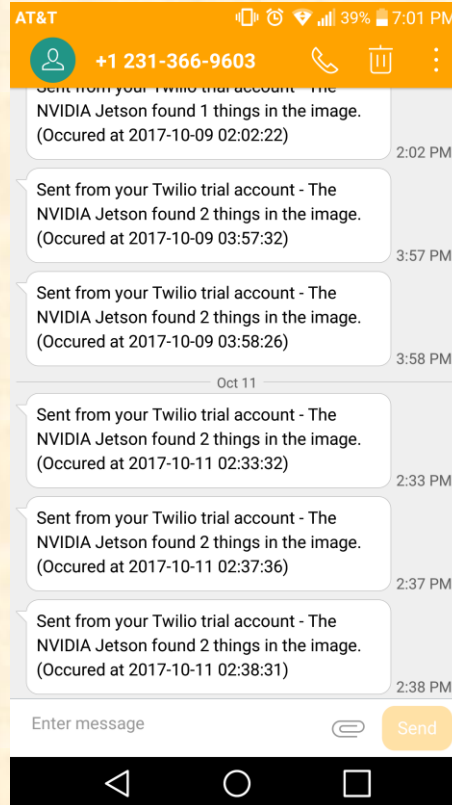


Team GM Beta Presentation

Team GM Beta Presentation

a.

SMS View





Team GM
Design Day

MICHIGAN STATE
UNIVERSITY

The Capstone Experience

Team Humana

Department of Computer Science and Engineering
Michigan State University
Fall 2017



*From Students...
...to Professionals*

Humana

for

Individuals & Families

Employers

Agents & Brokers

Providers

Español ^

Humana

Contact us

Ask Humana



🔒 Sign In

Medicare

Insurance

Health & Wellness

Member Resources

Now is the time to enroll in a 2017 Medicare plan

Shop now

Feedback



Team Humana Project Overview

MyHumanaBot

- Functionalities
 - Provide Instant Information to Customers
 - About Plans, Claims, Etc.
 - Via a Chatbot
- Features
 - Build and Design Two Web Apps
 - MyHumanaBot App
 - Humana Administrative App
 - Supports
 - Customer or Non-Customer
 - Logged In or Not Logged In
 - Handles Variety of Scenarios
 - Information About Plans
 - Claims Status
 - Humana Pharmacy Status
 - Finding a Doctor
 - Etc.
 - Incorporate Context
 - Maintain Conversation History
 - Account for Security
- Technologies
 - Microsoft C# / .NET
 - SQL / MySQL / Mongo Database
 - RESTful Web Services



Humana

Louisville, Kentucky





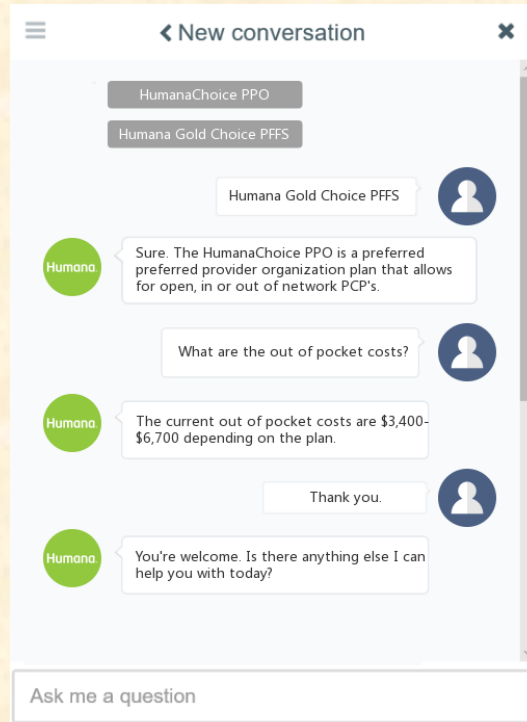
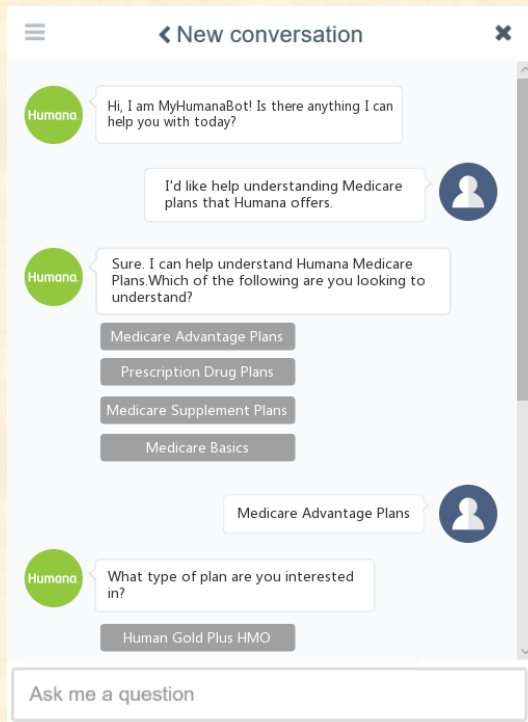
Team Humana

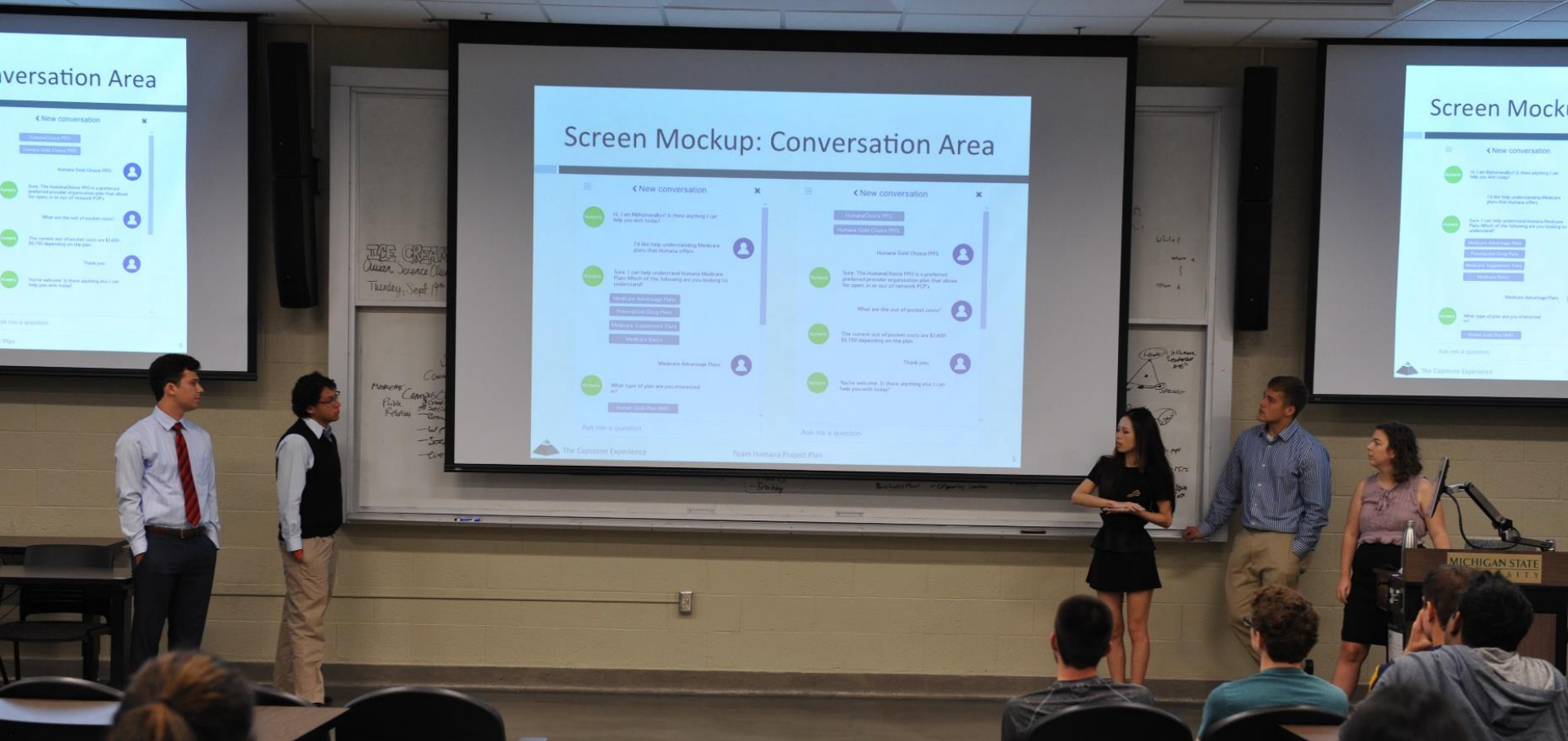
Tony Dionise, Madeline Levinson, Jason Thompson, Sharon Shi, Tynan Ford

Team Humana Project Plan Presentation

2.

Screen Mockup



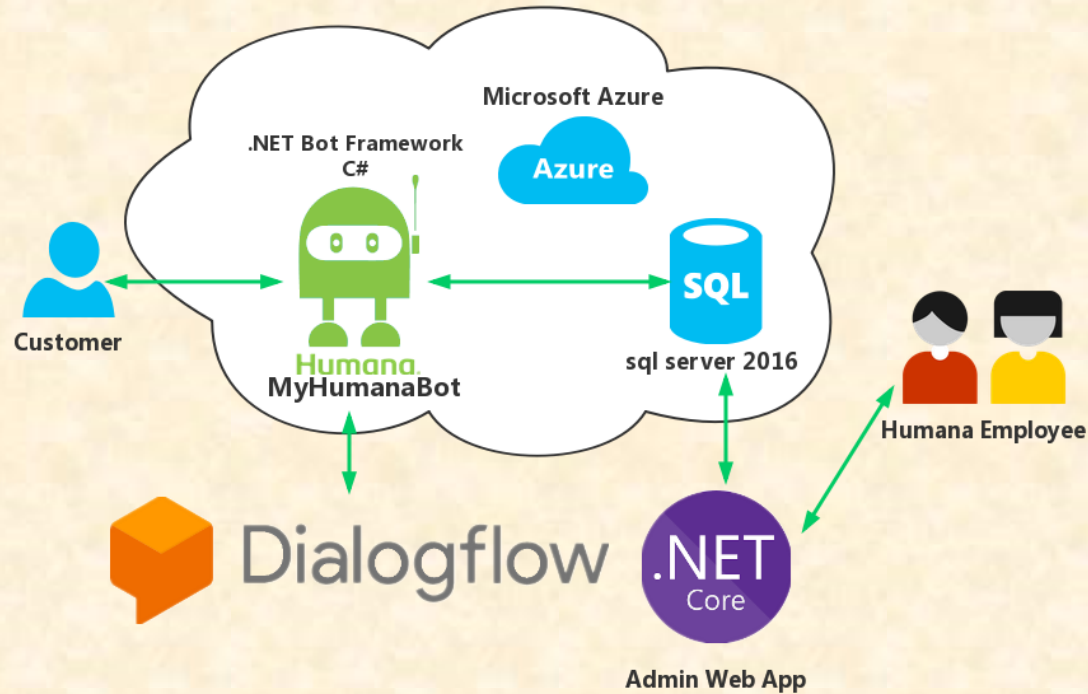


Team Humana Project Plan Presentation

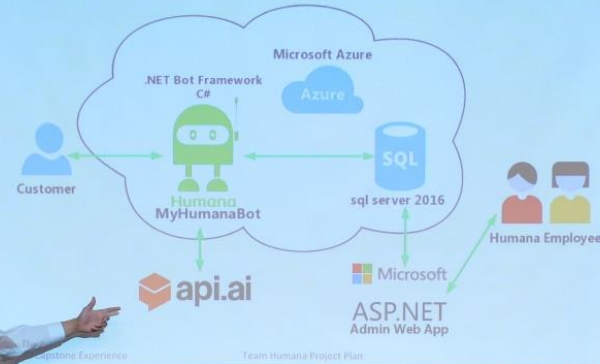
Team Humana Project Plan Presentation

2.

Architecture Diagram



System Architecture



Team Humana Project Plan Presentation

Team Humana Project Plan Presentation

a.

Screen Mockup

Page Header

MyHumanaBot Chat Log

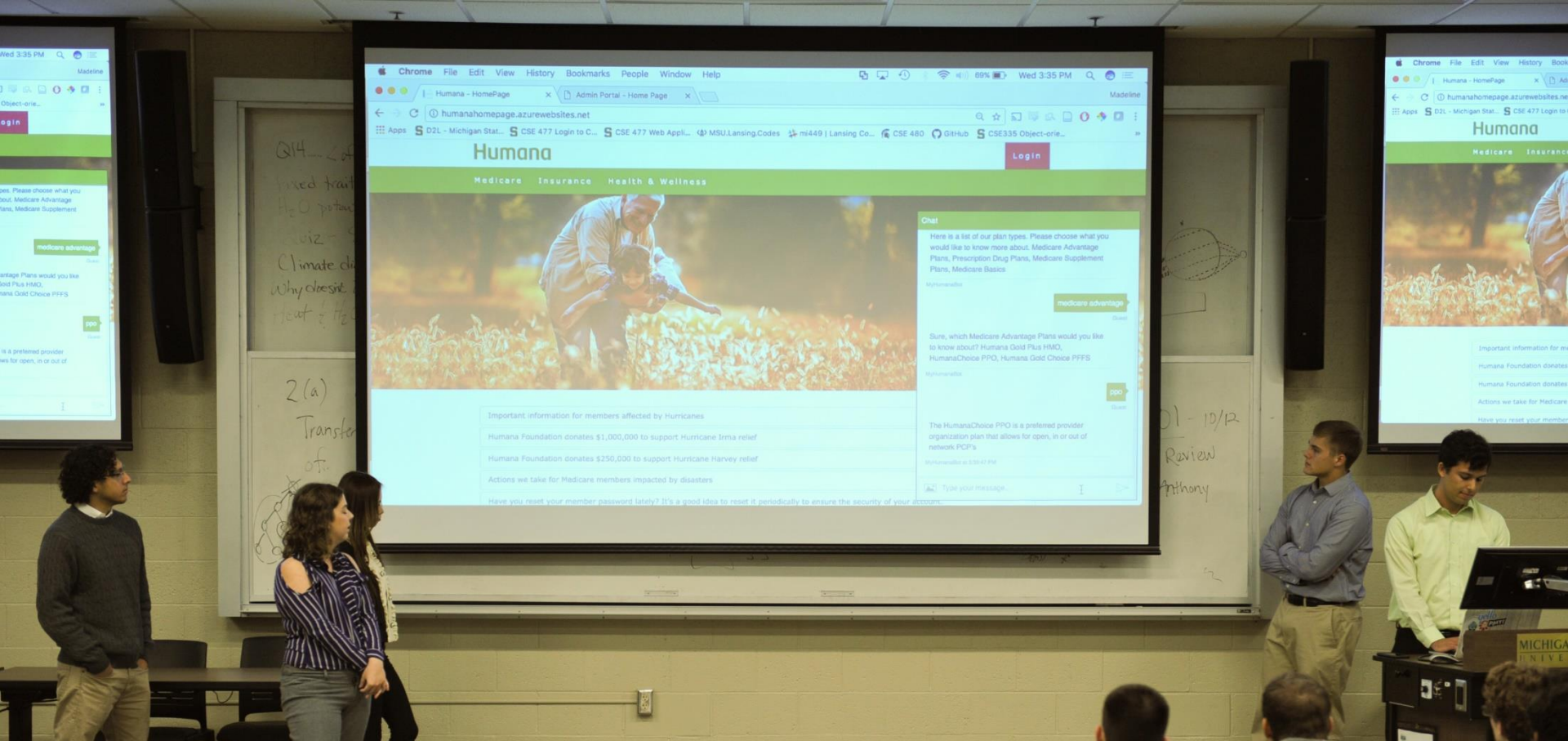
Search User ID:

Enter

[download all](#)

Date/Time	User ID	Conversation
Sep. 19, 2017 23:23	guest	download
Sep. 19, 2017 20:27	hpotter7	download
Sep. 19, 2017 14:33	guest	download
Sep. 19, 2017 09:17	tford01	download
Sep. 19, 2017 07:30	guest	download
Sep. 18, 2017 22:00	sharonshi1	download
Sep. 18, 2017 15:45	<u>adionise</u>	download
Sep. 18, 2017 10:57	guest	download
Sep. 18, 2017 01:32	thom1078	download
Sep. 17, 2017 19:02	<u>mlevinson</u>	download
Sep. 17, 2017 11:15	guest	download
Sep. 17, 2017 09:37	johnsmith1	download





Team Humana Alpha Presentation

Team Humana Alpha Presentation

a.

Homepage

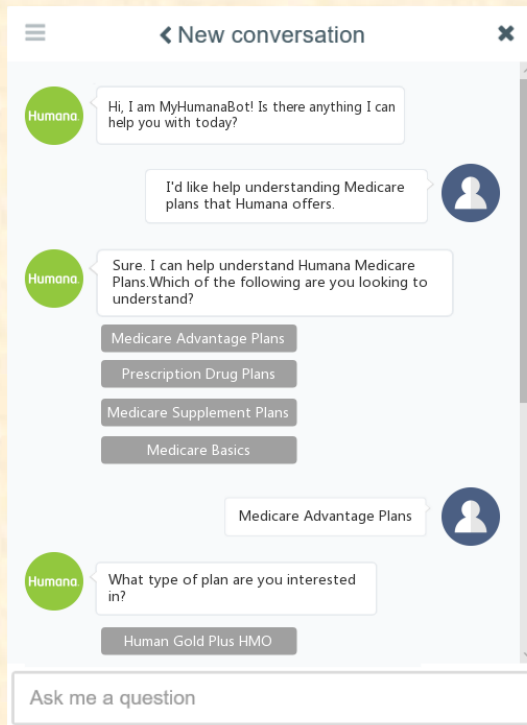


The Capstone Experience

Team Humana Alpha Presentation

2.

Chat Widget



Time	From	To
10/25/2017 3:35:35 PM	Guest	
10/25/2017 3:35:37 PM	MyHumanaBot	
10/25/2017 3:35:48 PM	Guest	
10/25/2017 3:35:48 PM	MyHumanaBot	
10/25/2017 3:35:54 PM	Guest	
10/25/2017 3:35:54 PM	MyHumanaBot	
10/25/2017 3:36:11 PM	Guest	
10/25/2017 3:36:12 PM	MyHumanaBot	
10/25/2017 3:36:12 PM	Guest	

Humana Admin Portal

Conversations Members Logout

Message	Time	From
medicare advantage	10/25/2017 3:35:35 PM	Guest
Sure, which Medicare Advantage Plans would you like to know about? Humana Gold Plus HMO, HumanaChoice PPO, Humana Gold Choice PFFB	10/25/2017 3:35:37 PM	MyHumanaBot
ppo	10/25/2017 3:35:48 PM	Guest
The HumanaChoice PPO is a preferred provider organization plan that allows for open, in or out of network PCP's	10/25/2017 3:35:48 PM	MyHumanaBot
thanks	10/25/2017 3:35:54 PM	Guest
Anytime. That's what I'm here for.	10/25/2017 3:35:54 PM	MyHumanaBot
can you help me find a doctor	10/25/2017 3:36:11 PM	Guest
What is your zip code?	10/25/2017 3:36:12 PM	MyHumanaBot
80053	10/25/2017 3:36:12 PM	Guest

Humana Admin Portal

Conversations Members Logout

medicare advantage

Sure, which Medicare Advantage Plans would you like to know about? Humana Gold Plus HMO, HumanaChoice PPO, Humana Gold Choice PFFB

ppo

The HumanaChoice PPO is a preferred provider organization plan that allows for open, in or out of network PCP's

thanks

Anytime. That's what I'm here for.

can you help me find a doctor

What is your zip code?

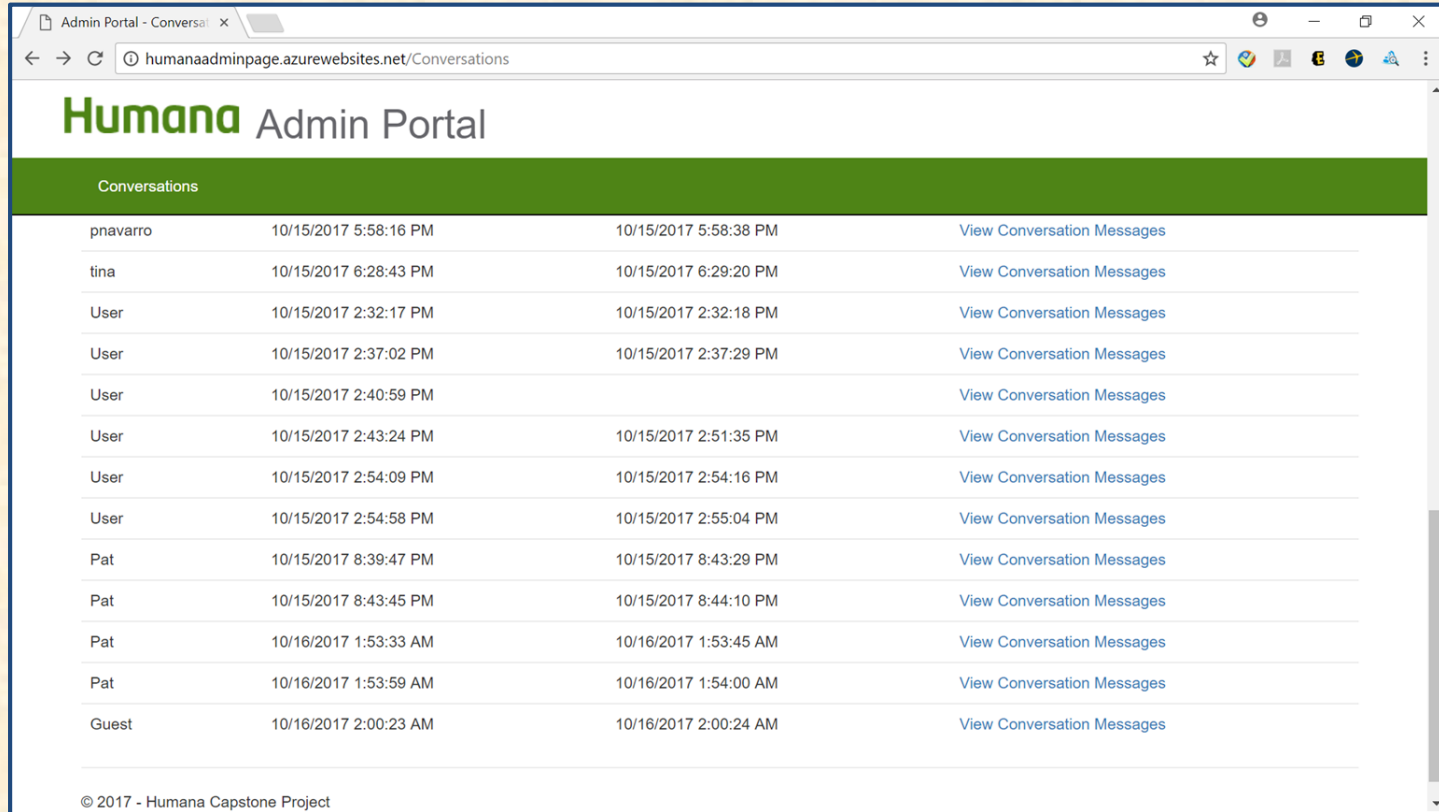
80053

Team Humana Alpha Presentation

Team Humana Alpha Presentation

a.

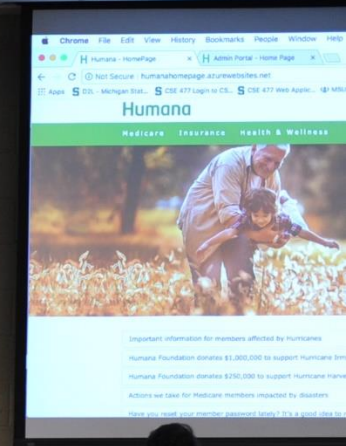
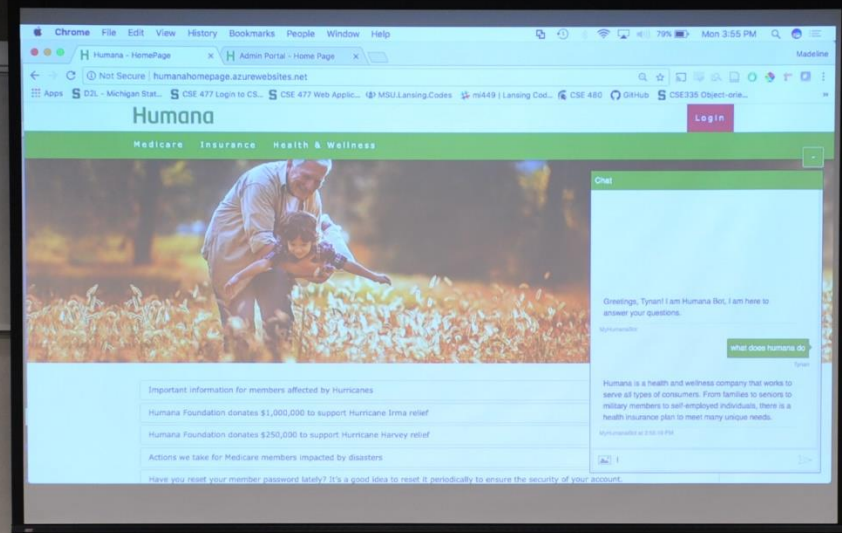
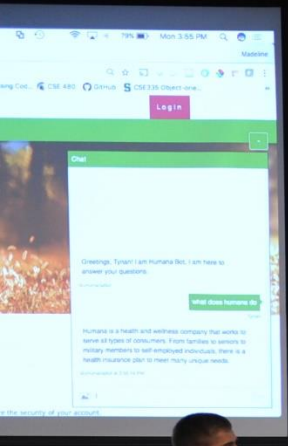
Admin Page



The screenshot shows a web browser window with the address bar displaying "humanaadminpage.azurewebsites.net/Conversations". The page title is "Humana Admin Portal". Below the title is a green header bar with the word "Conversations". The main content area is a table listing conversations. Each row contains a user name, two timestamps, and a link to "View Conversation Messages".

Conversations			
pnavarro	10/15/2017 5:58:16 PM	10/15/2017 5:58:38 PM	View Conversation Messages
tina	10/15/2017 6:28:43 PM	10/15/2017 6:29:20 PM	View Conversation Messages
User	10/15/2017 2:32:17 PM	10/15/2017 2:32:18 PM	View Conversation Messages
User	10/15/2017 2:37:02 PM	10/15/2017 2:37:29 PM	View Conversation Messages
User	10/15/2017 2:40:59 PM		View Conversation Messages
User	10/15/2017 2:43:24 PM	10/15/2017 2:51:35 PM	View Conversation Messages
User	10/15/2017 2:54:09 PM	10/15/2017 2:54:16 PM	View Conversation Messages
User	10/15/2017 2:54:58 PM	10/15/2017 2:55:04 PM	View Conversation Messages
Pat	10/15/2017 8:39:47 PM	10/15/2017 8:43:29 PM	View Conversation Messages
Pat	10/15/2017 8:43:45 PM	10/15/2017 8:44:10 PM	View Conversation Messages
Pat	10/16/2017 1:53:33 AM	10/16/2017 1:53:45 AM	View Conversation Messages
Pat	10/16/2017 1:53:59 AM	10/16/2017 1:54:00 AM	View Conversation Messages
Guest	10/16/2017 2:00:23 AM	10/16/2017 2:00:24 AM	View Conversation Messages

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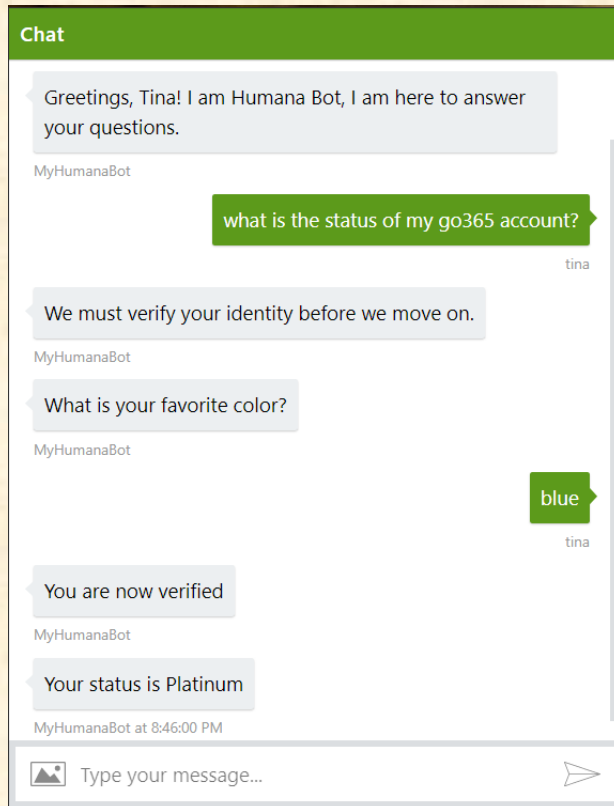


Team Humana Beta Presentation

Team Humana Beta Presentation

a.

Chat widget



Team Humana Beta Presentation

2.

Chat Widget

Chat

what claim do I have?


tina


Your Claims With Humana
Your claims are shown below
Click on a claim to get more information!

4941568372

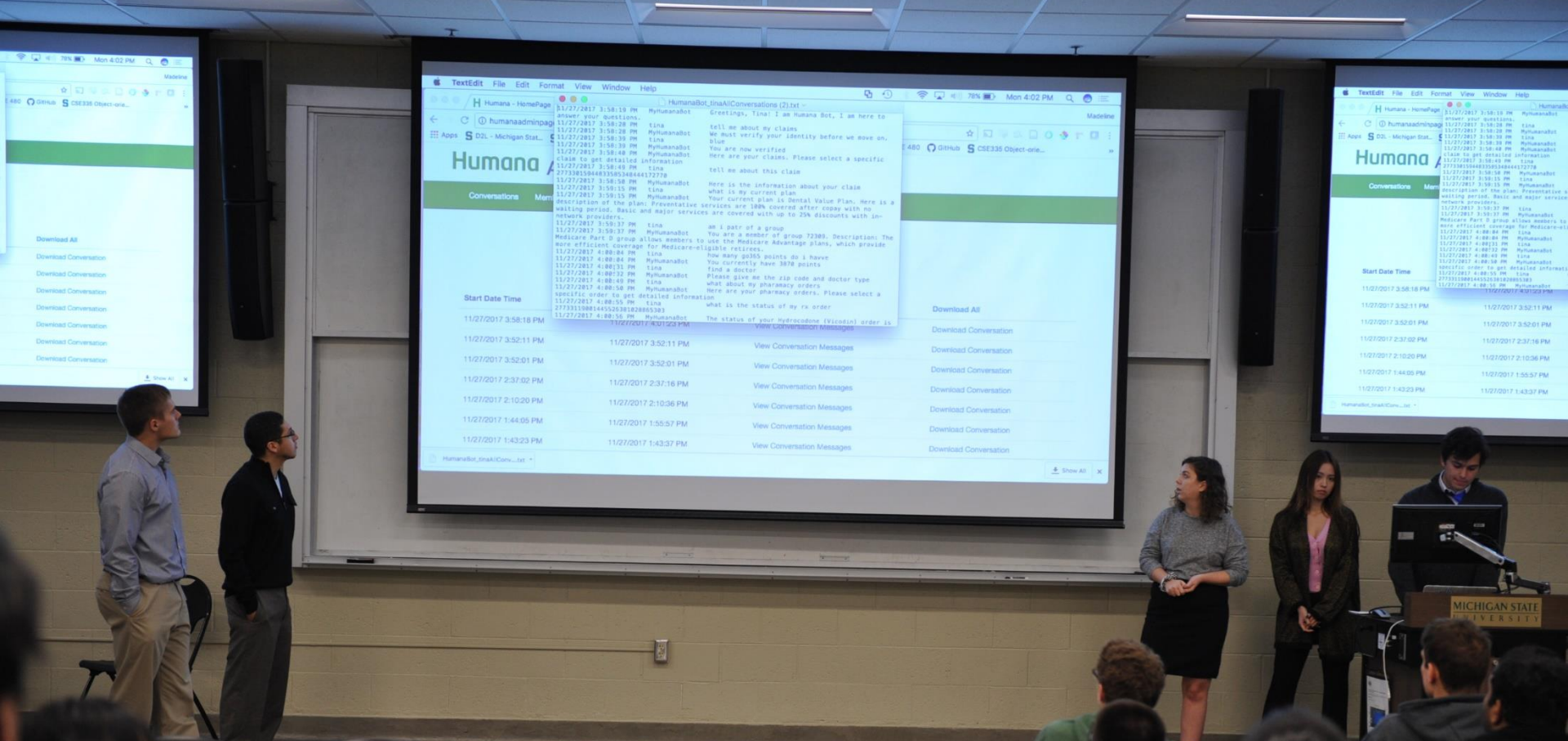
MyHumanaBot

Claim #4941568372
Here is the information about your claim
Status: paid
Date of Service: 4/17/2016 12:21:32 AM
Claim Date: Tuesday, April 19, 2016
Paid Date: Wednesday, April 27, 2016
Amount Billed: \$215.59
Amount Plan Pays: \$75.01
Amount Applied Deductible: \$229.70
Co-Insurance: \$11.88

 Type your message...





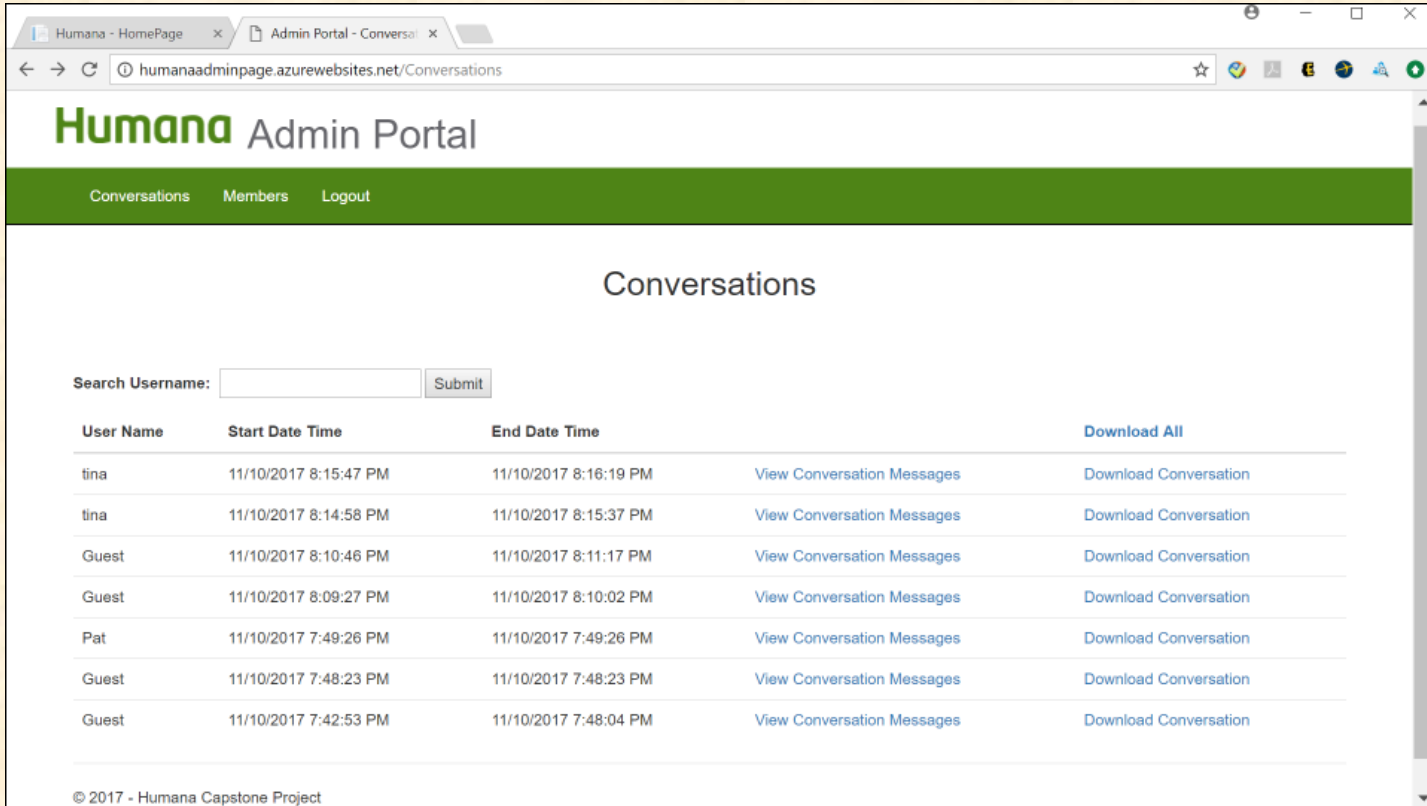


Team Humana Beta Presentation

Team Humana Beta Presentation

2.

Admin Page



Humana Admin Portal

Conversations Members Logout

Conversations

Search Username:

User Name	Start Date Time	End Date Time		Download All
tina	11/10/2017 8:15:47 PM	11/10/2017 8:16:19 PM	View Conversation Messages	Download Conversation
tina	11/10/2017 8:14:58 PM	11/10/2017 8:15:37 PM	View Conversation Messages	Download Conversation
Guest	11/10/2017 8:10:46 PM	11/10/2017 8:11:17 PM	View Conversation Messages	Download Conversation
Guest	11/10/2017 8:09:27 PM	11/10/2017 8:10:02 PM	View Conversation Messages	Download Conversation
Pat	11/10/2017 7:49:26 PM	11/10/2017 7:49:26 PM	View Conversation Messages	Download Conversation
Guest	11/10/2017 7:48:23 PM	11/10/2017 7:48:23 PM	View Conversation Messages	Download Conversation
Guest	11/10/2017 7:42:53 PM	11/10/2017 7:48:04 PM	View Conversation Messages	Download Conversation

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Team Humana
Design Day

MICHIGAN STATE
UNIVERSITY

The Capstone Experience

Team Meijer

Department of Computer Science and Engineering
Michigan State University
Fall 2017



*From Students...
...to Professionals*

meijer®



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Return to Meijer.com

Return to Weekly Ads



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Create Account

FAQ

About mPerks

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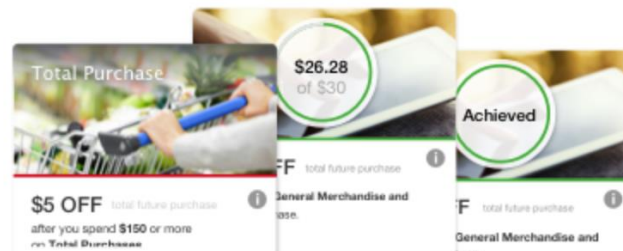
you're minutes
from saving

Sign up for free & get the most
out of your trips to Meijer

Join Now

Rewards

Get rewarded for the way you shop at Meijer, plus earn extra savings with Pharmacy and mCard Rewards. Rewards apply when you enter your mPerks ID and PIN at checkout.



Team Meijer Project Overview

Meijer Fresh-ipes

- Functionalities
 - Streamline and Simplify Shopping
 - By Providing Meal and Menu Planning
 - Intelligently and Interactively
- Features
 - Track Customer Shopping History
 - Determine Likely Existing Household Ingredients
 - Recommend Range of Recipes
 - Ingredient Availability
 - Food Preferences
 - Create Shopping List for Missing Ingredients
 - Integrate with mPerks
- Technologies
 - Amazon Echo Show
 - Microsoft .NET Framework, C#, ASP.NET
 - Microsoft Azure Mobile Services
 - Microsoft Visual Studio Team Server
 - Xamarin
 - Meijer Web Services
 - Application Insights
 - Hockey App
 - SQL Server



meijer[®]

Grand Rapids, Michigan





Team Meijer

Charles Heil, Dan Radler, Olive Miller, Justin Pearson, James Murray

Team Meijer Project Plan Presentation

e.

Screen Mockup

M Username
My Pantry
Shopping List
Planned Meals
Recipe Box
Suggestions
Favorites
Search



1. Chicken Pot Pie
75% ingredients in pantry



2. Hot Dogs
20% ingredients in pantry



3. Ap
10%

Try "Alexa, show me more."



Screen Mockup: Echo Show



The Capstone Experience

Team Meijer Project Plan Presentation

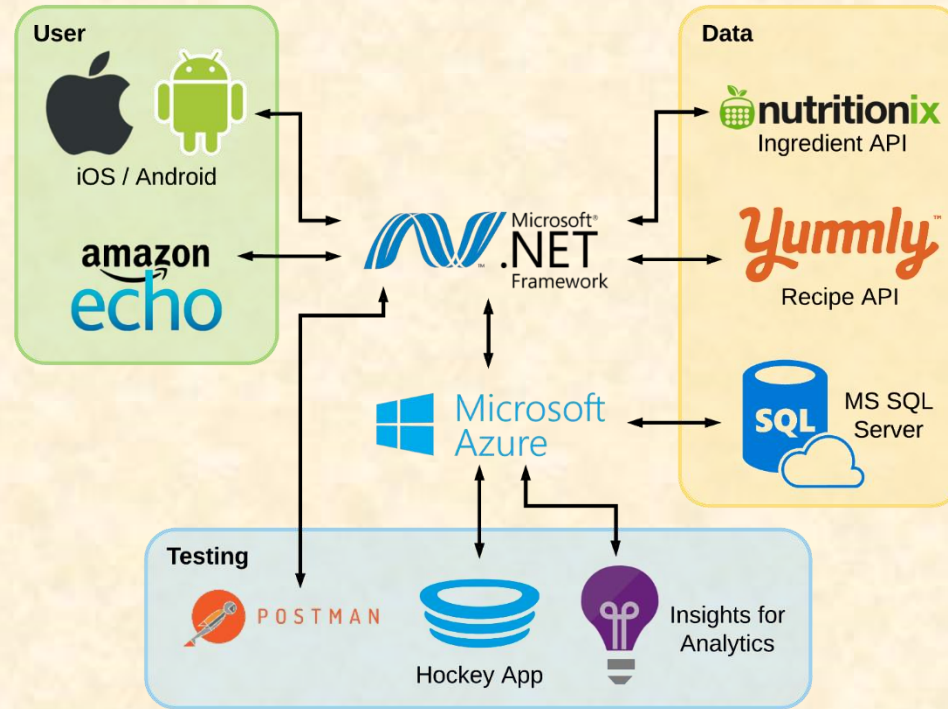
4

Team Meijer
Project Plan Presentation

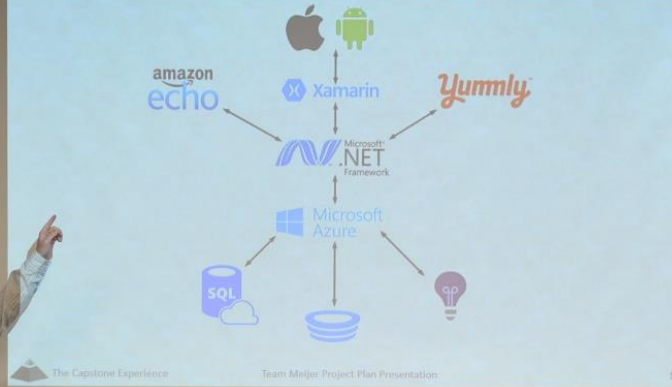
Team Meijer Project Plan Presentation

2.

Architecture Diagram



System Architecture






Team Meijer
Project Plan Presentation


Team Meijer Project Plan Presentation

a.

Screen Mockup

M	My List	
	Butter	-
	Milk	-
	Eggs	-
	New Item	+
Recommended		
	• Kiwi	-
	• Butternut Squash	-
	• Star Fruit	-

M	My Pantry	
		Milk (Vitamin D) + -
		Beef + -
		

	<	
My Pantry		
Recipes		
My Favorites		
My List		
My Account		

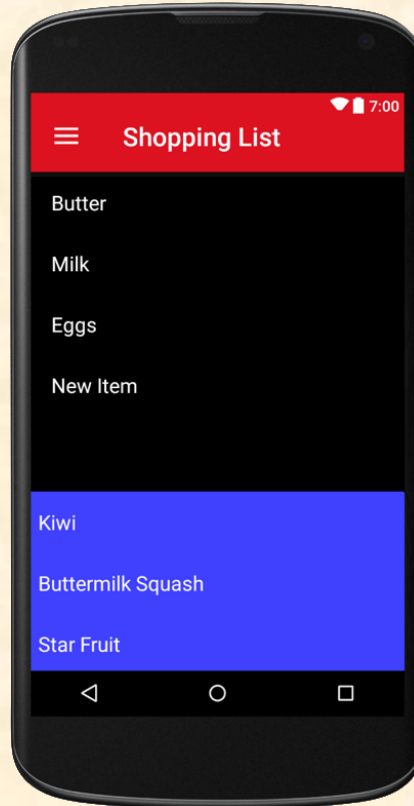


Team Meijer Alpha Presentation

Team Meijer Alpha Presentation

a.

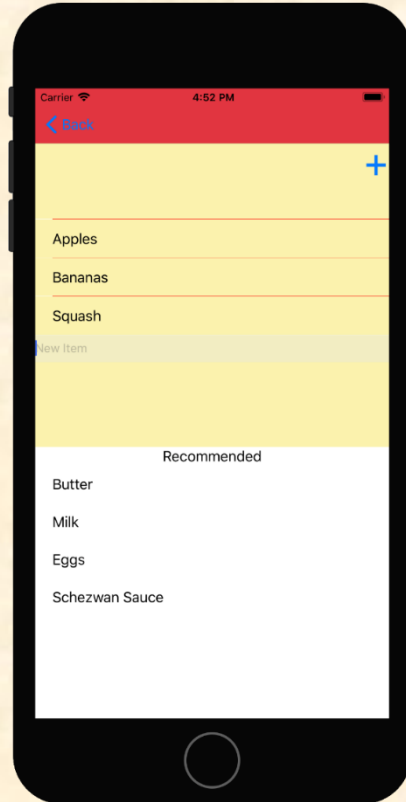
Android Shopping List



Team Meijer Alpha Presentation

2.

iOS Shopping List





Team Meijer Alpha Presentation

Team Meijer Alpha Presentation

a.

Amazon Show Planned Meals



The Capstone Experience



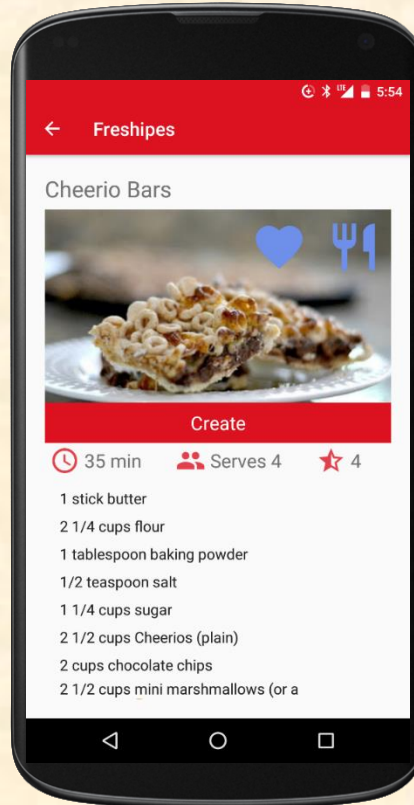


Team Meijer Beta Presentation

Team Meijer Beta Presentation

2.

Android Recipe View



Team Meijer Beta Presentation

a.

Amazon Show Planned Meals



The Capstone Experience





Team Meijer Beta Presentation

Team Meijer Beta Presentation

e.

Amazon Show Recipe View



The Capstone Experience





Team Meijer
Design Day

MICHIGAN STATE
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The Capstone Experience

Team Michigan State University

Department of Computer Science and Engineering
Michigan State University
Fall 2017



*From Students...
...to Professionals*





2016

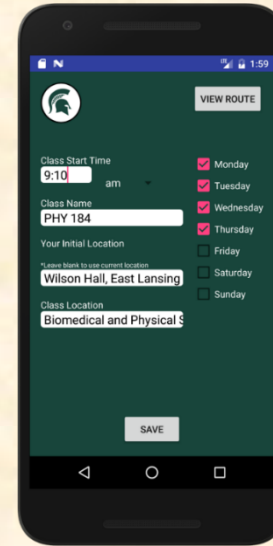
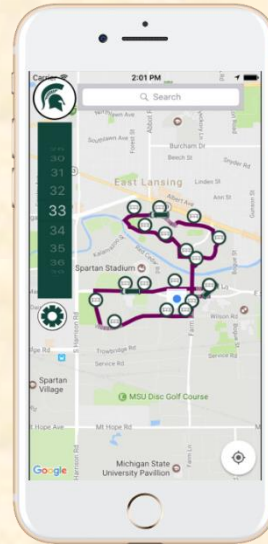
Year in Review

VIEW VIDEO

Team Michigan State University Project Overview

SEA: Spartan Experience App

- Functionalities
 - Enhance Student Experience
 - By Providing Information to Students
 - With Easy-to-Use Mobile App
- Features
 - Support Android and iPhone Natively
 - Utilize Amazon Web Services (AWS)
 - Any and All Of...
 - Provide Directions to Parking and Buildings
 - Show Cafeteria Menus
 - Display Campus Activities and Events
 - Show Emergency Phone Numbers
 - Provide News Feed and Twitter Feed
 - Create and Manage a Student Planner
 - Handle Course Search and Schedule Planner
 - Implement a Degree Navigator
 - Incorporate Existing CATA Bus Tracker
- Technologies
 - Apple iPads and iPhones (iOS) / Swift
 - Google Android Tablets and Phones / Java
 - RSS News Feeds



Information Technology Services
East Lansing, Michigan



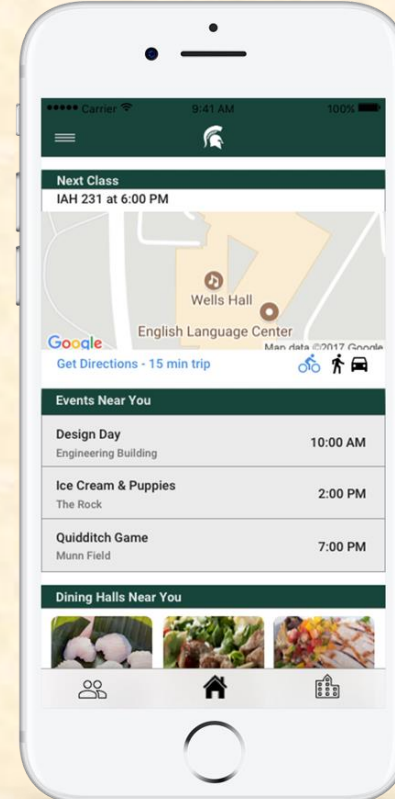
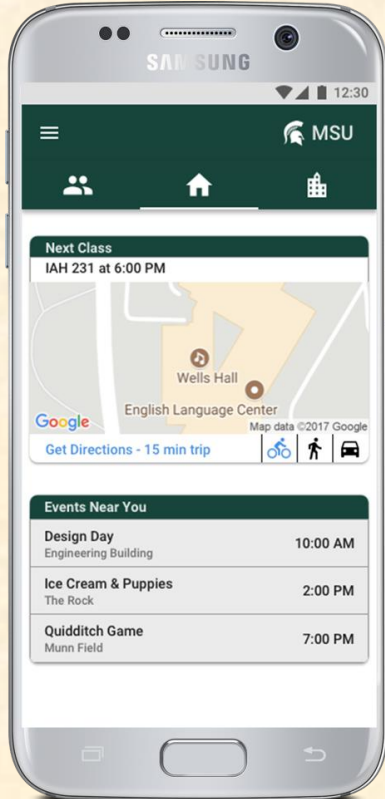
Team Michigan State University

Scott Swarthout, Ryan Johnson, Nayana Kodur, Patrick Pale, Roy Perryman

Team Michigan State University Project Plan Presentation

2.

Screen Mockup





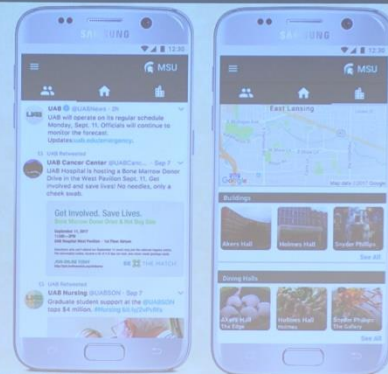
Screen Mockups: Social & Campus Tabs

Social Tab:

- MSU Twitter Feed

Campus Tab:

- Buildings
- Parking lots
- Dining halls
- Sparty's



The Capstone Experience

Team Michigan State University Project Plan

Team Michigan State University
Project Plan Presentation

Team Michigan State University Project Plan Presentation

2.

Architecture Diagram

External Data Feeds

Maps/Places API



Building Info

Web Scraping



Menus

JSON



Events

Tweepy



MSU News

iCal File



Back End

PostgreSQL



- Buildings
- Parking Lots
- Schedules
- Classes
- Cafeteria Menus



Amazon AWS



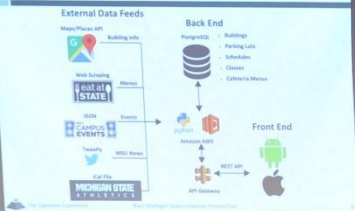
API Gateway

Front End

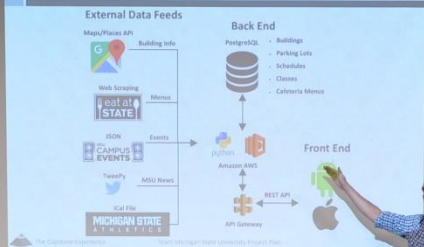


REST API

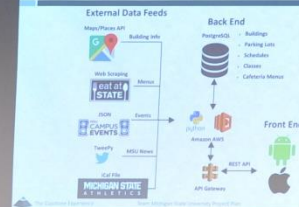
System Architecture



System Architecture



System Architecture

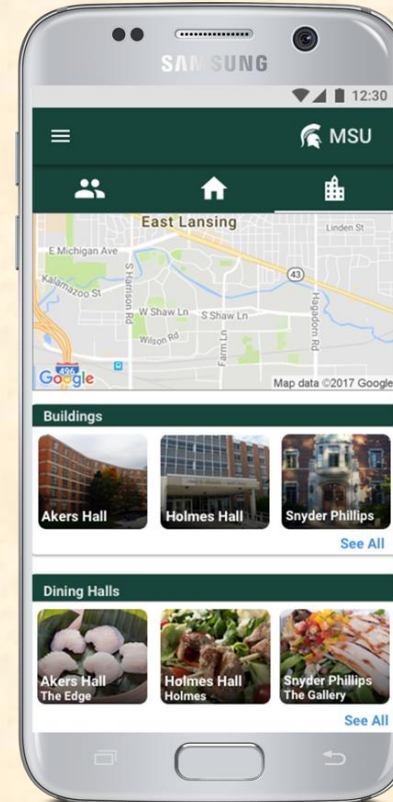


Team Michigan State University
Project Plan Presentation

Team Michigan State University Project Plan Presentation

2.

Screen Mockup



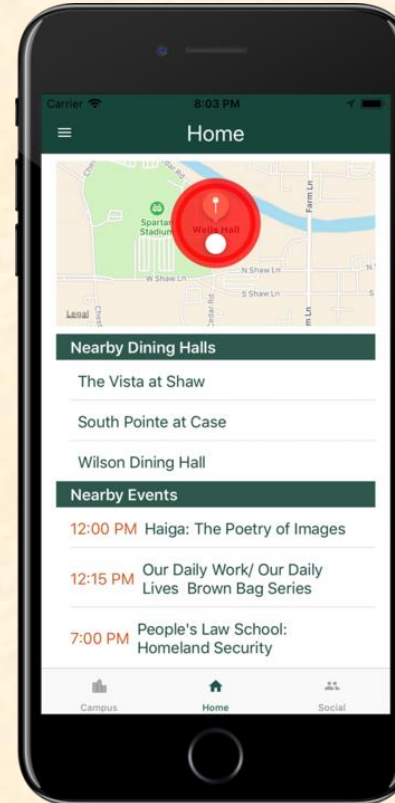
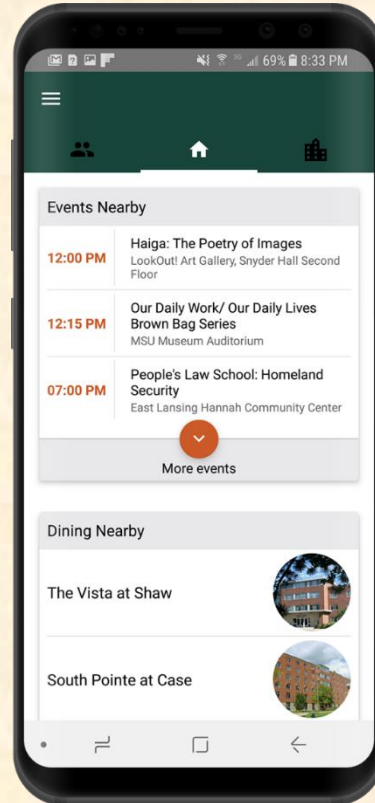


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2.

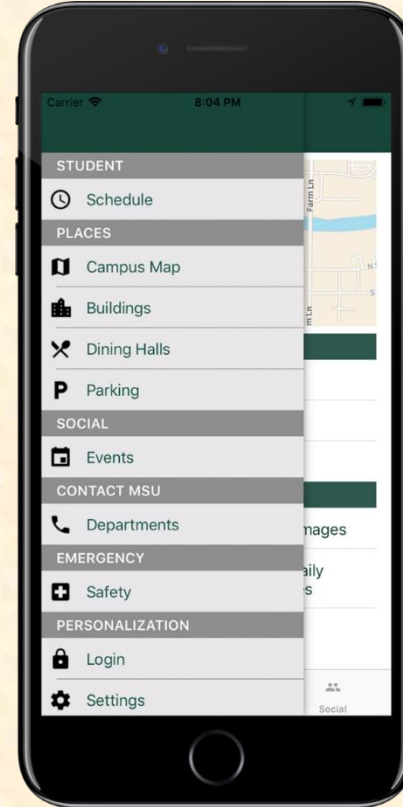
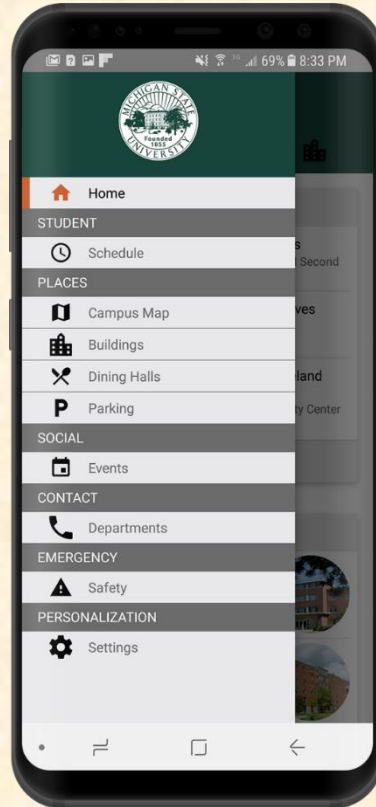
Home View: Nearby Information



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2.

Navigation Menu



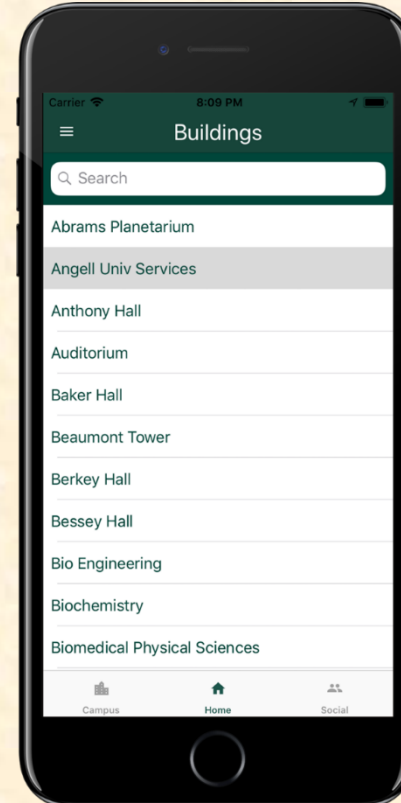
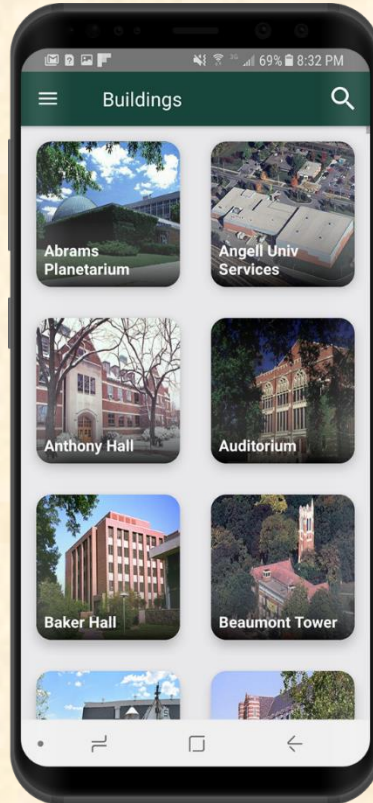


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e.

Buildings View



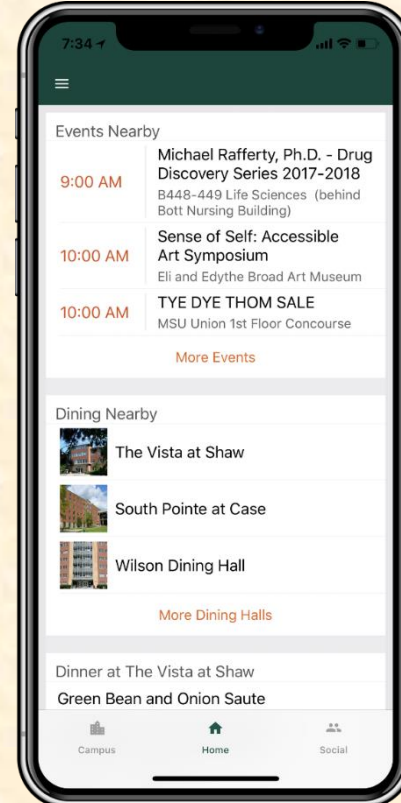
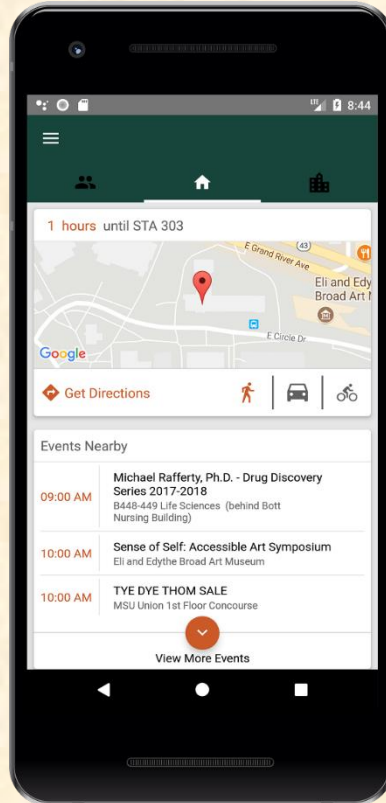


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2.

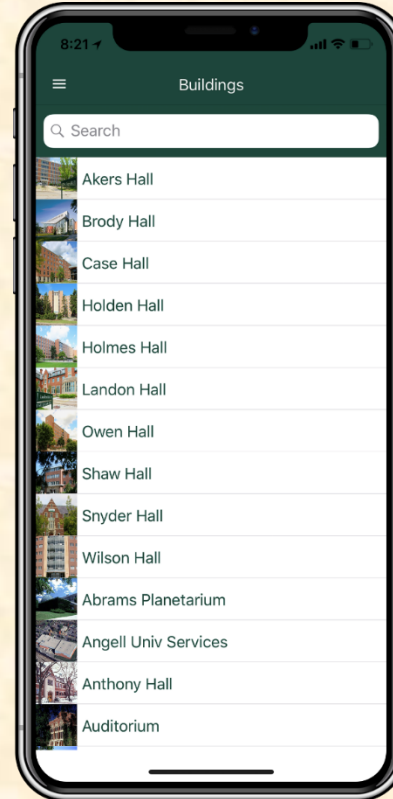
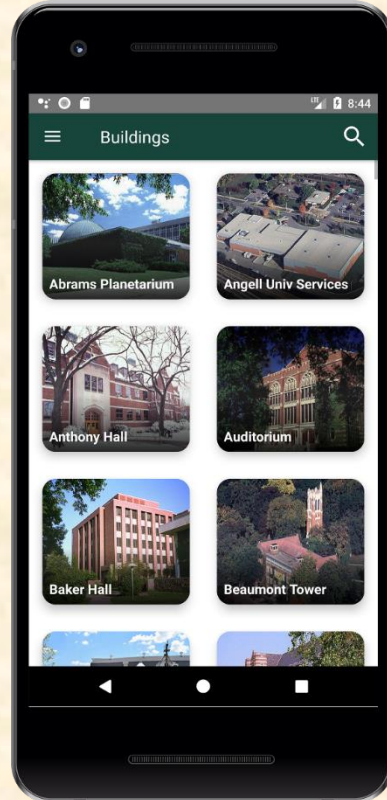
Home View: Nearby Information



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2.

Buildings View



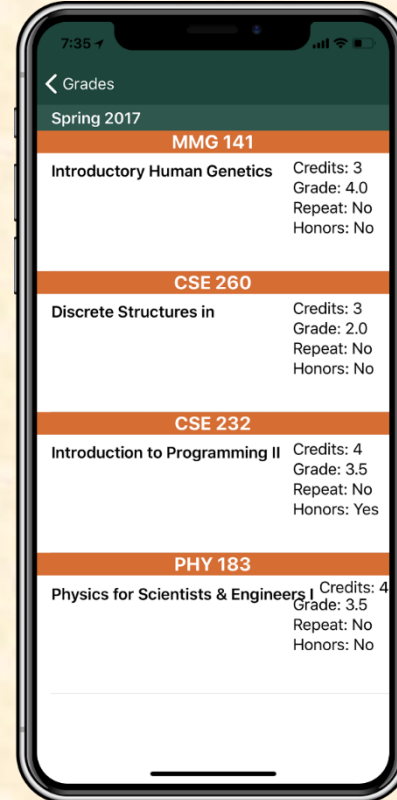
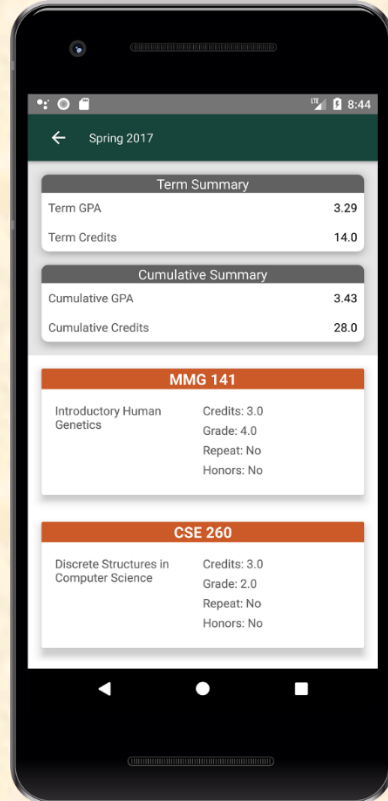


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a.

Grades View





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Design Day

MICHIGAN STATE
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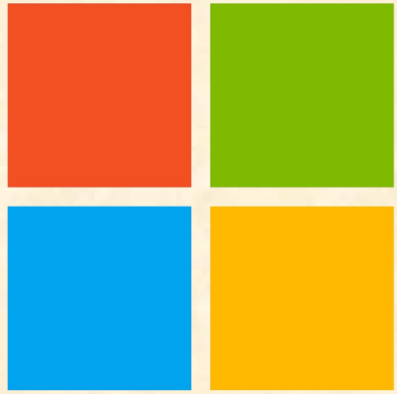
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...to Professionals*



Microsoft



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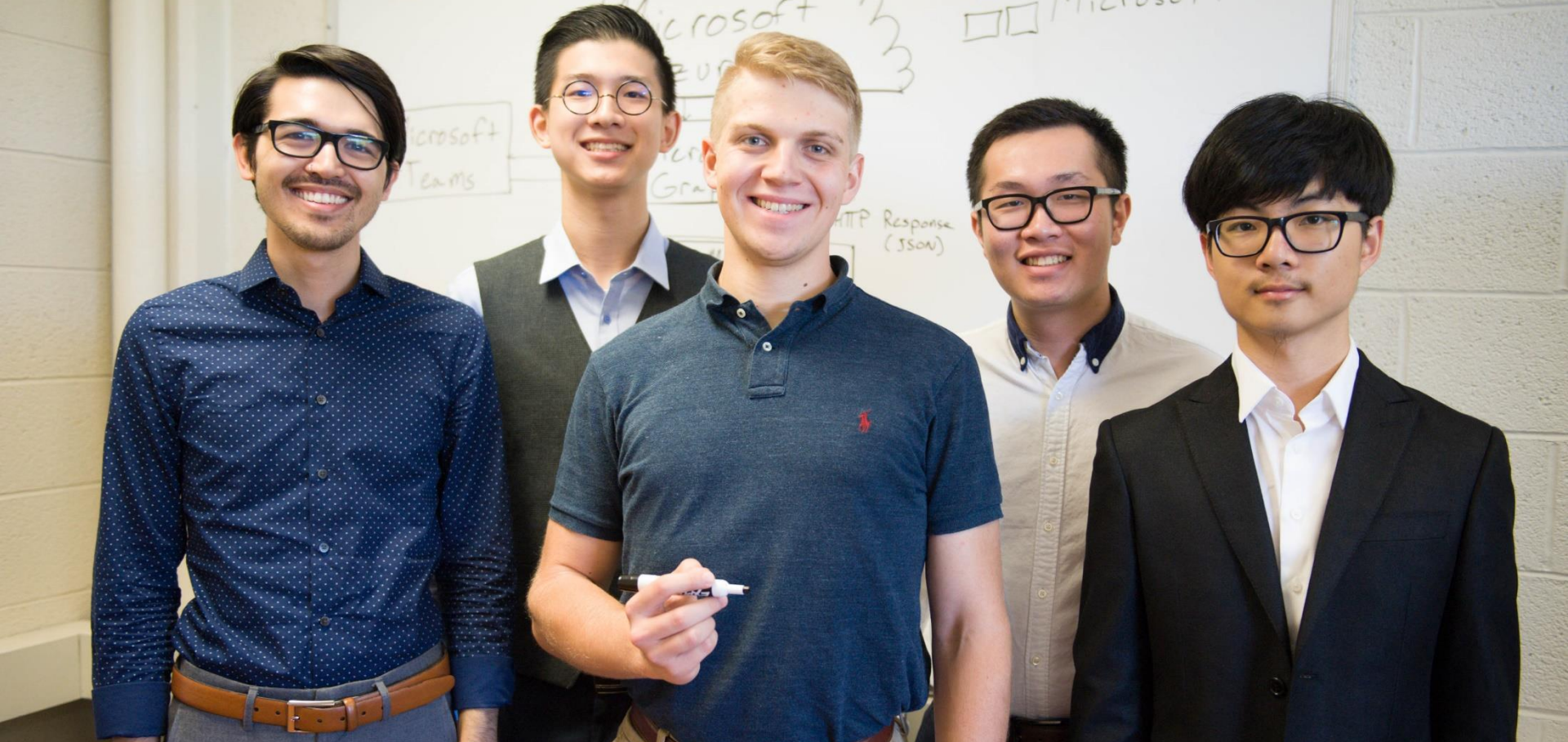


Team Microsoft Project Overview

Enhanced Company Portal with Graph

- Functionalities
 - Enhance Android Company App
 - By Leveraging Microsoft Graph API
 - Making Customers More Productive
- Features
 - Use Only Microsoft Graph
 - For All Data
 - To Add Functionality Beyond Device Management
 - Provide Social Interaction
 - Organize Team Documents
 - Create Team Channels
 - Track Recently Used Files
 - Increase Usefulness Beyond Existing Portal
 - Refresh User Interface
- Technologies
 - Microsoft Intune
 - Microsoft Graph
 - Microsoft Windows / C#
 - Google Android Tablets and Phones / Java
 - Apple iPads and iPhones (iOS) / Swift
 - RESTful Web Services





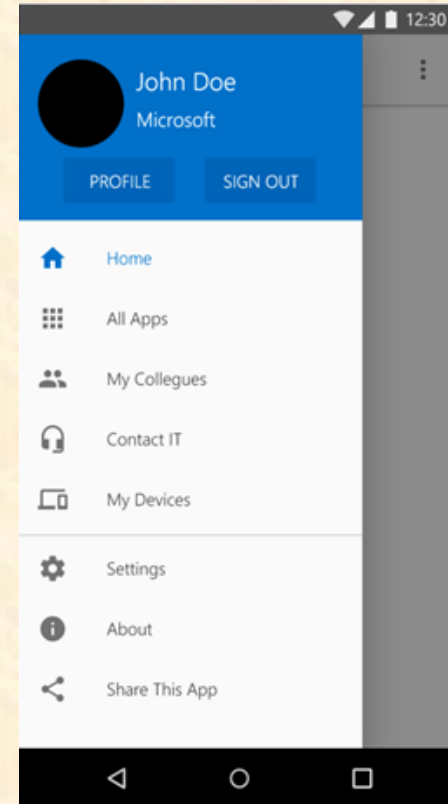
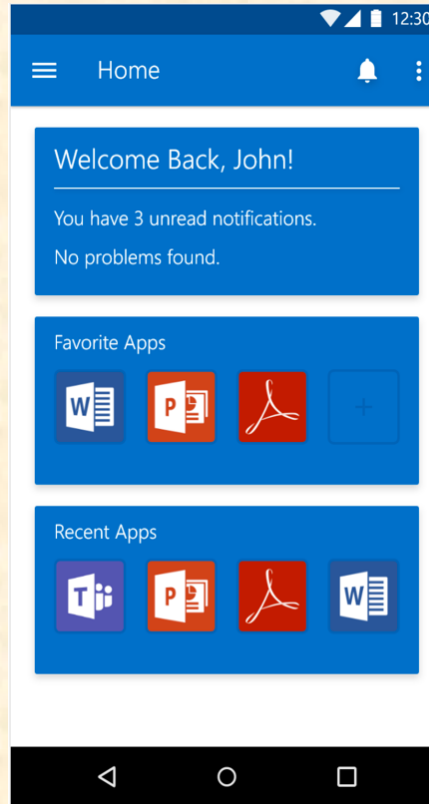
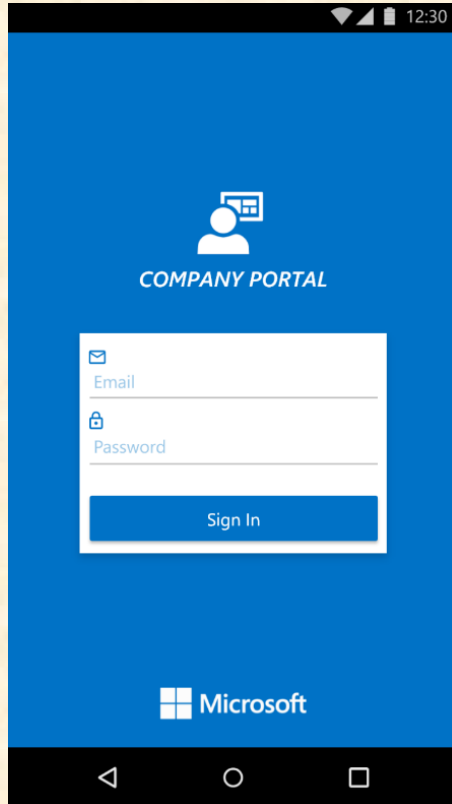
Team Microsoft

Jordan Green, Jason Yin, Matt Pasco, Mike Xiao, Mo Wang

Team Microsoft Project Plan Presentation

a.

Screen Mockup



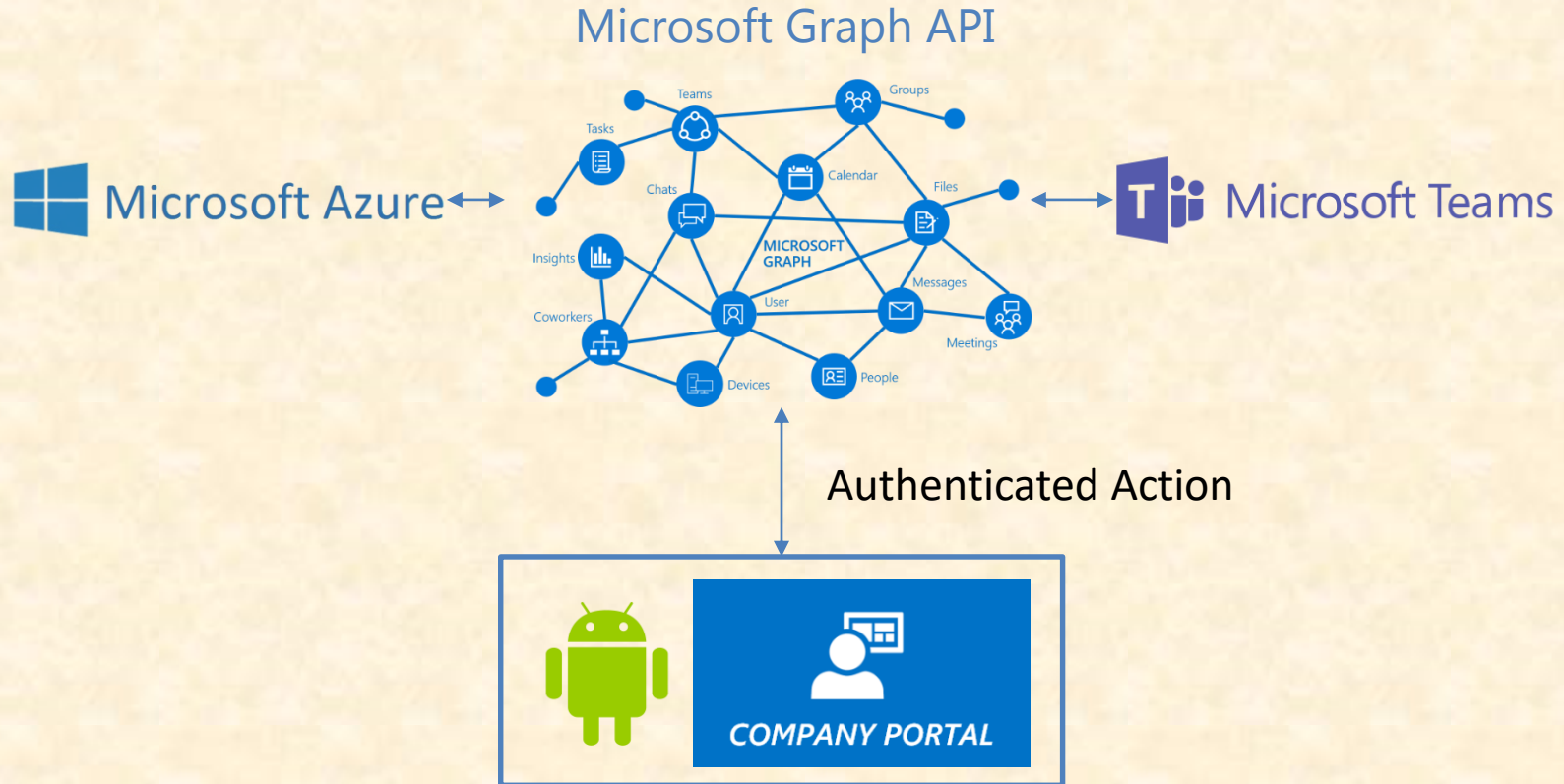


Team Microsoft Project Plan Presentation

Team Microsoft Project Plan Presentation

2.

Architecture Diagram



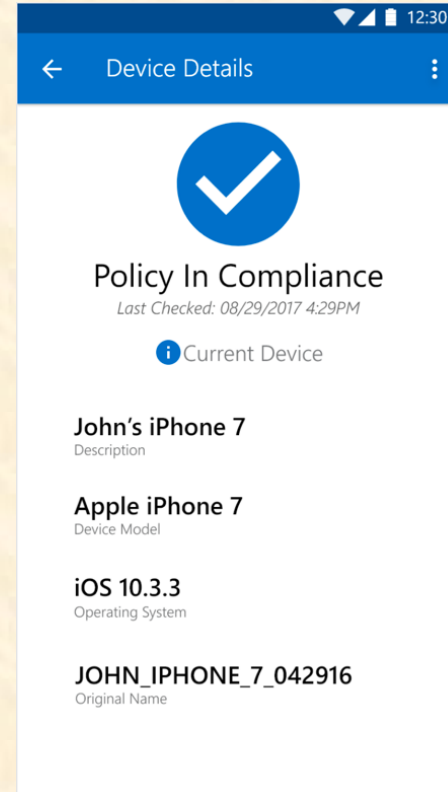
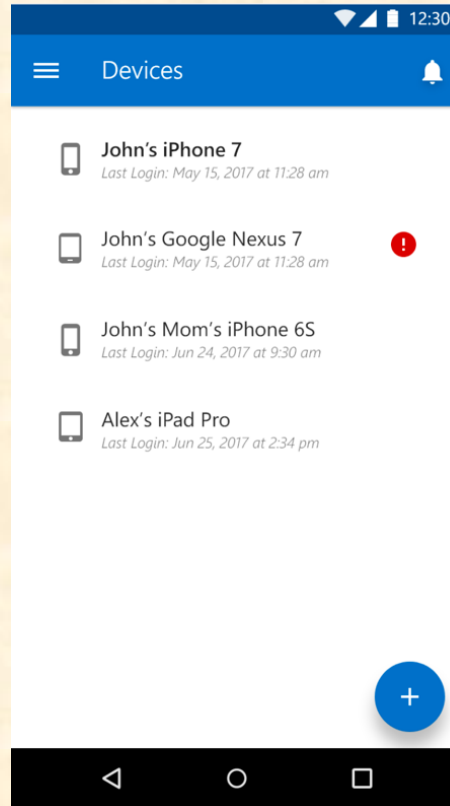
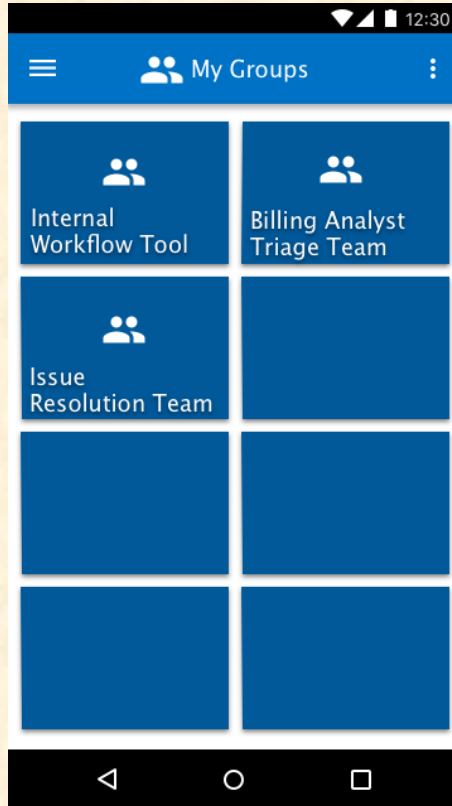


Team Microsoft Project Plan Presentation

Team Microsoft Project Plan Presentation

a.

Screen Mockup



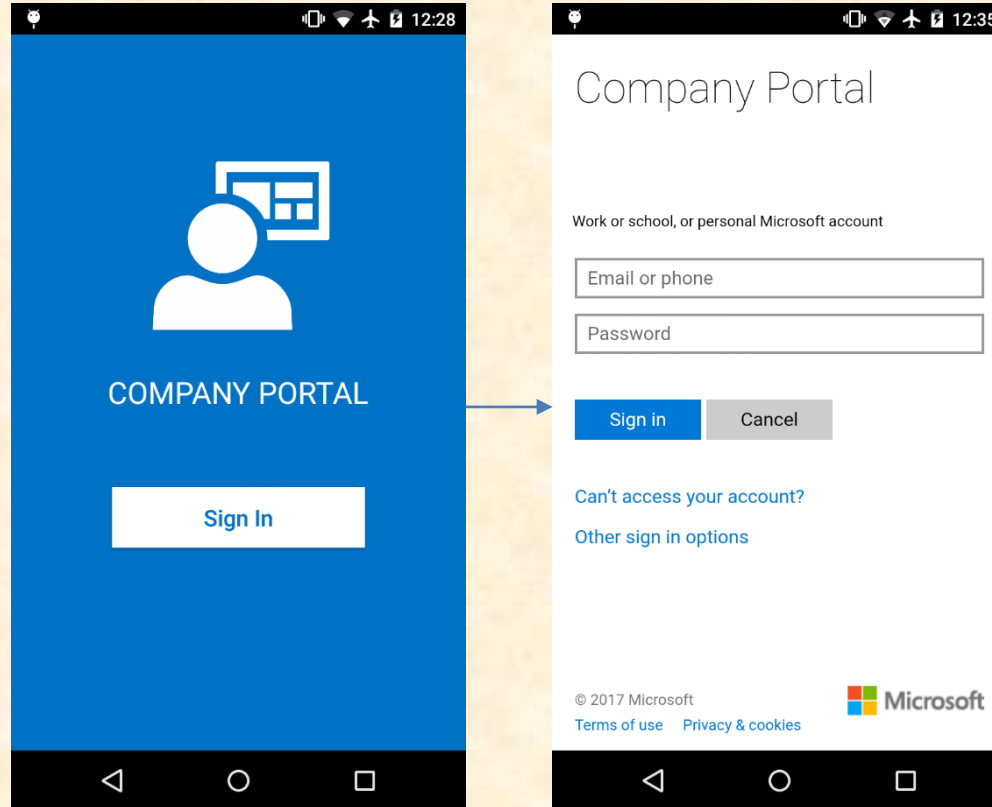


Team Microsoft Alpha Presentation

Team Microsoft Alpha Presentation

a.

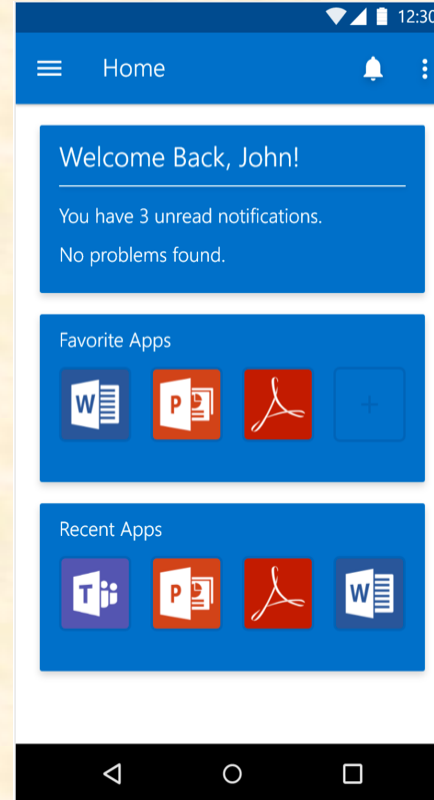
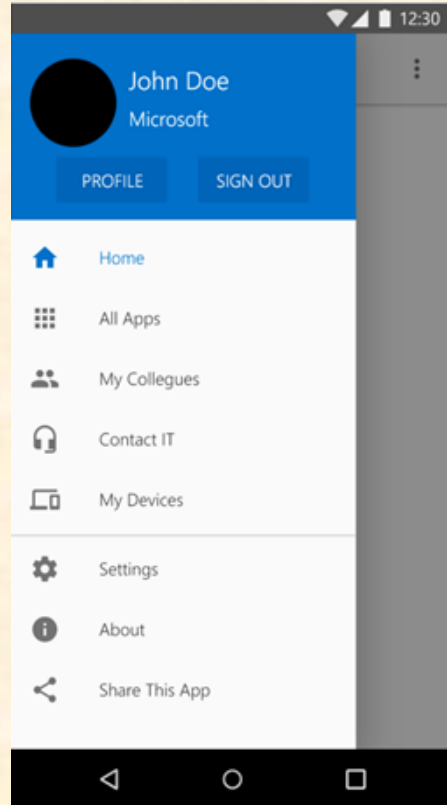
Login Page



Team Microsoft Alpha Presentation

a.

Home Page

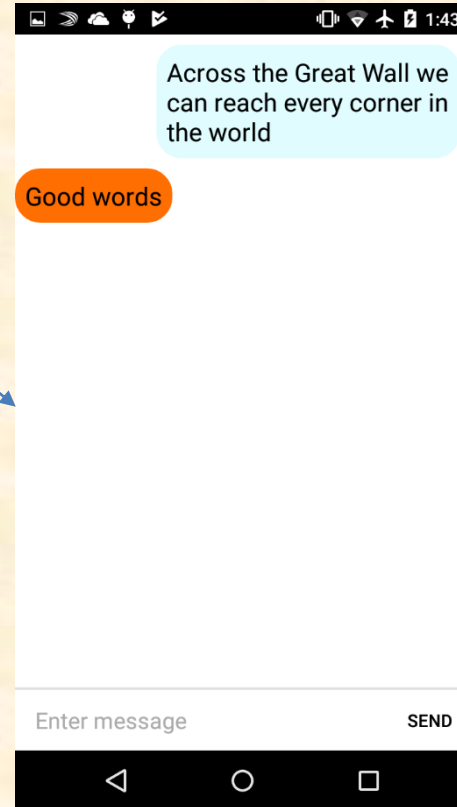
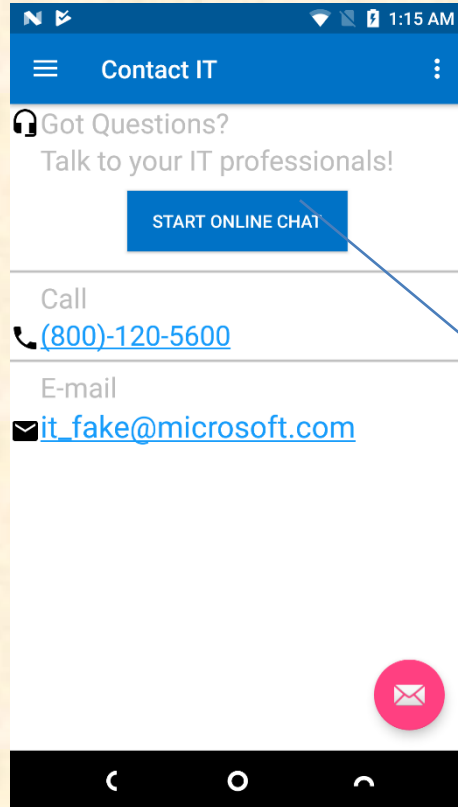




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a.

Contact IT



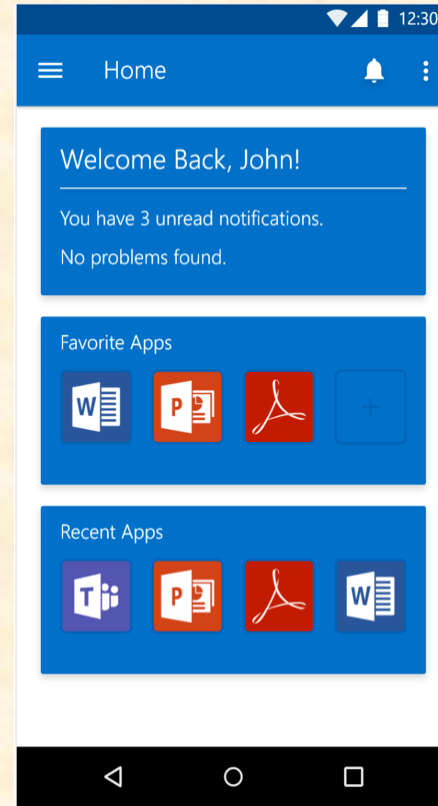
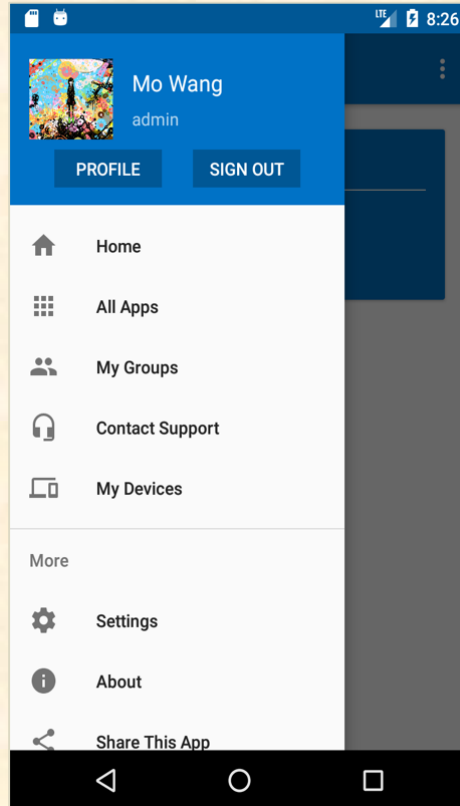


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a.

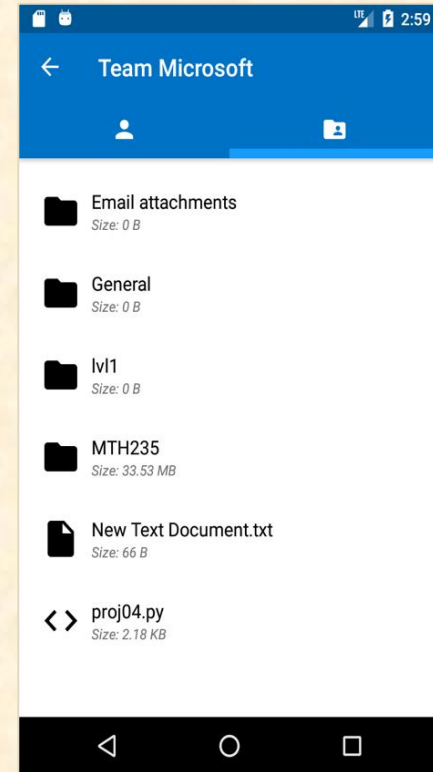
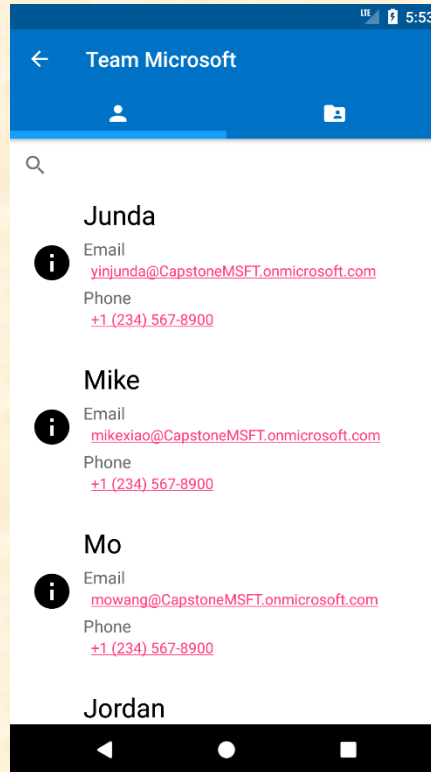
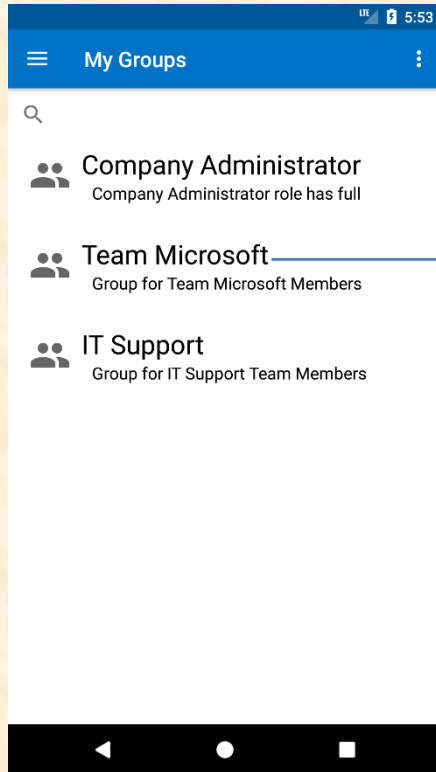
Home Page

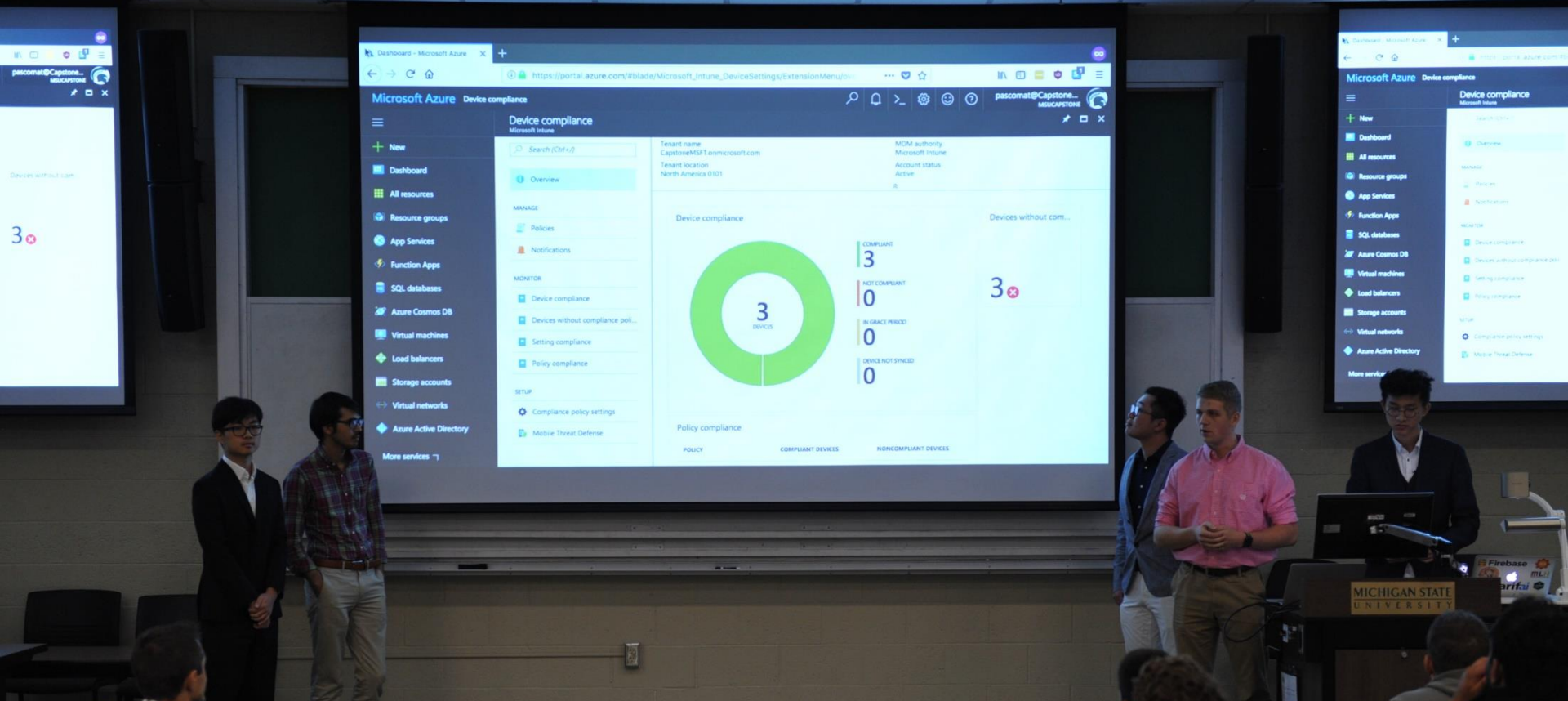


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a.

Groups Page



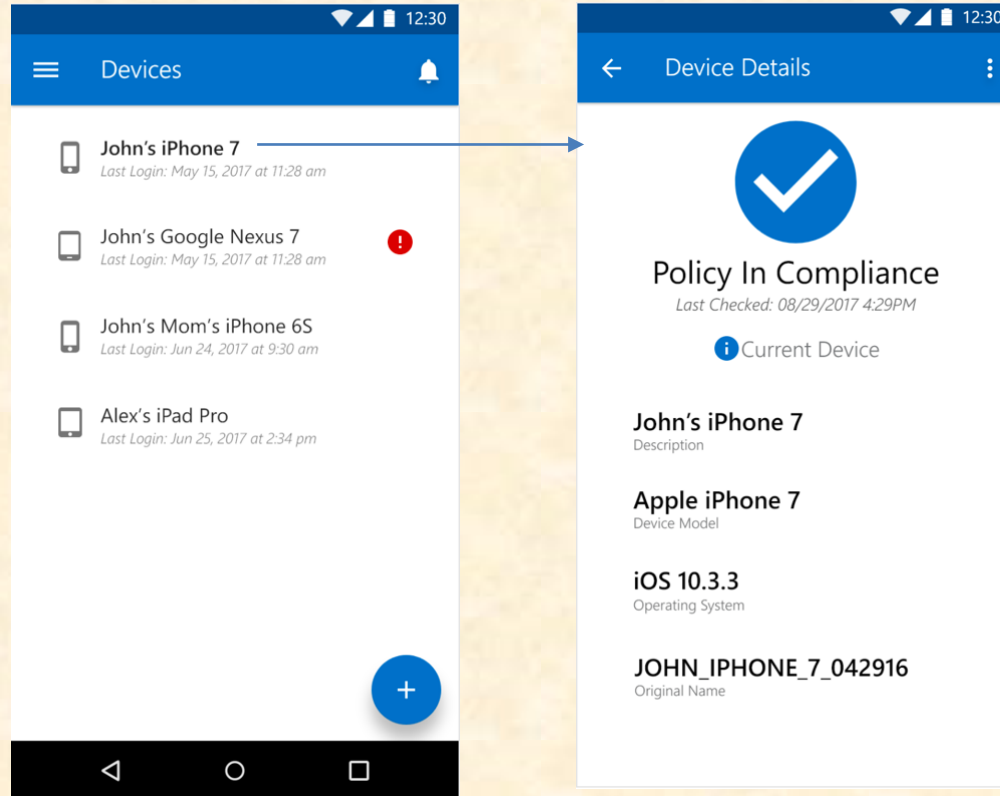


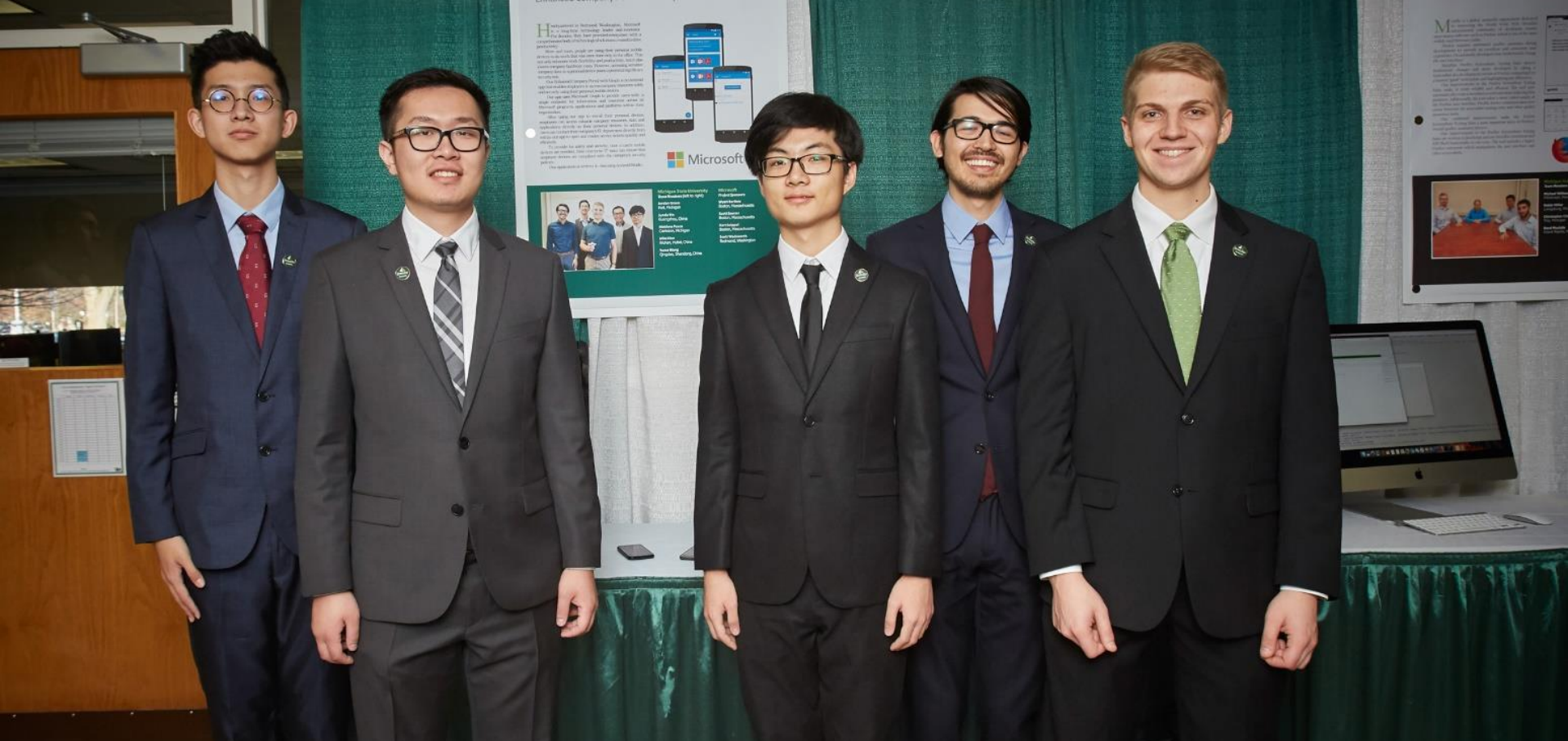
Team Microsoft Beta Presentation

Team Microsoft Beta Presentation

a.

Devices Page





Team Microsoft
Design Day

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Team Mozilla

Department of Computer Science and Engineering
Michigan State University
Fall 2017



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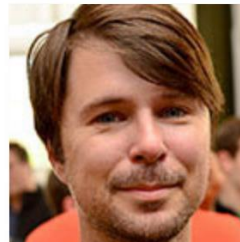


All your
devices.
One Firefox.



Learn about
Mozilla
Advocacy

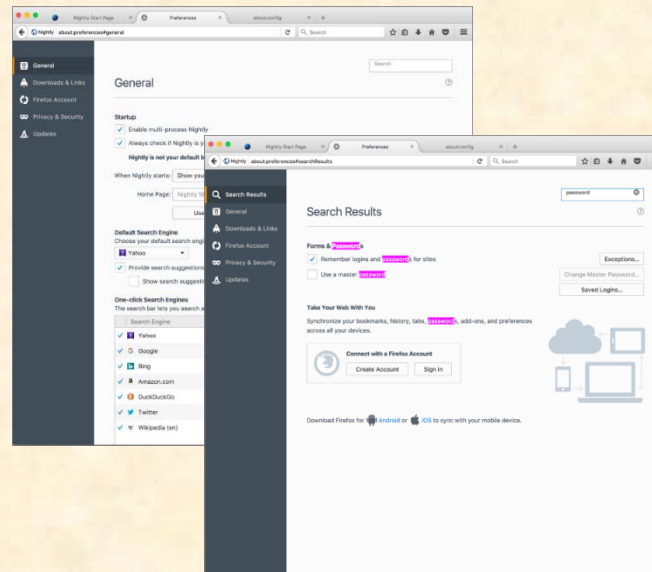
Download
Firefox



Team Mozilla Project Overview

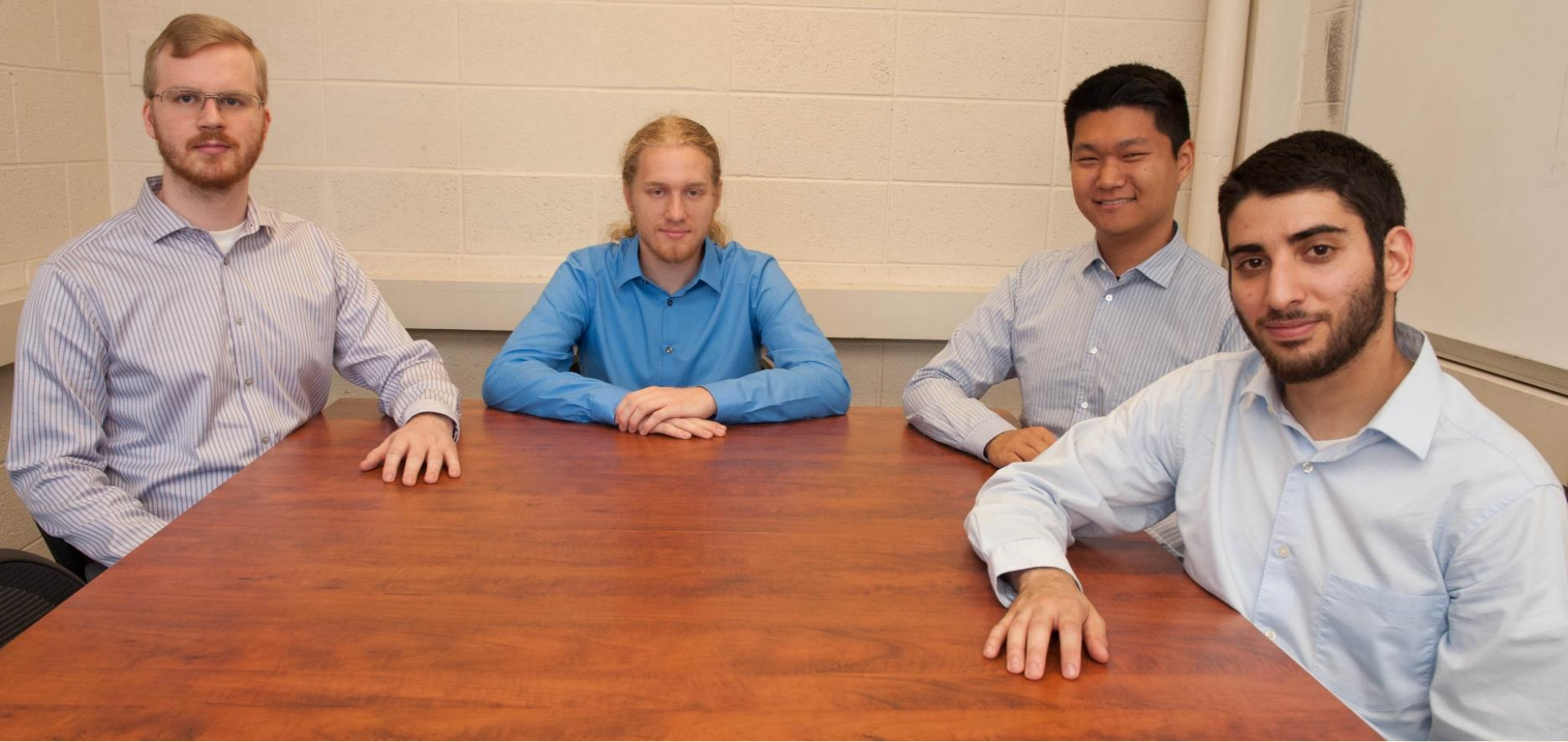
Taking Firefox Screenshots Testing Suite to 11

- Functionalities
 - Improve Firefox Screenshots Testing Suit
 - So Results Are More Readily Available
 - For Firefox Development Community at Large
- Features
 - Move Testing Suite from Tier 2 to Tier 3
 - Support Cropping Rules
 - Reduce Intermittent Failures and Difference Alerts
 - Produce Easily Consumable and Interpretable Test Results
 - Add New Testing States
- Technologies
 - CSS
 - JavaScript
 - Python
 - XUL / XBL
 - Mercurial
 - IRCCloud
 - Bugzilla
 - Review Board
 - Windows
 - OS X
 - Linux



Firefox®

Mountain View, California



Team Mozilla

Mike Williams, Robin Miller, Chris Cho, Rand Mustafa

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Robert Miller
Rand Mustafa
Mike Williams

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Mike Williams

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Project Plan Taking Firefox Screenshots Testing Suite to 11

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Robert Miller
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Mike Williams

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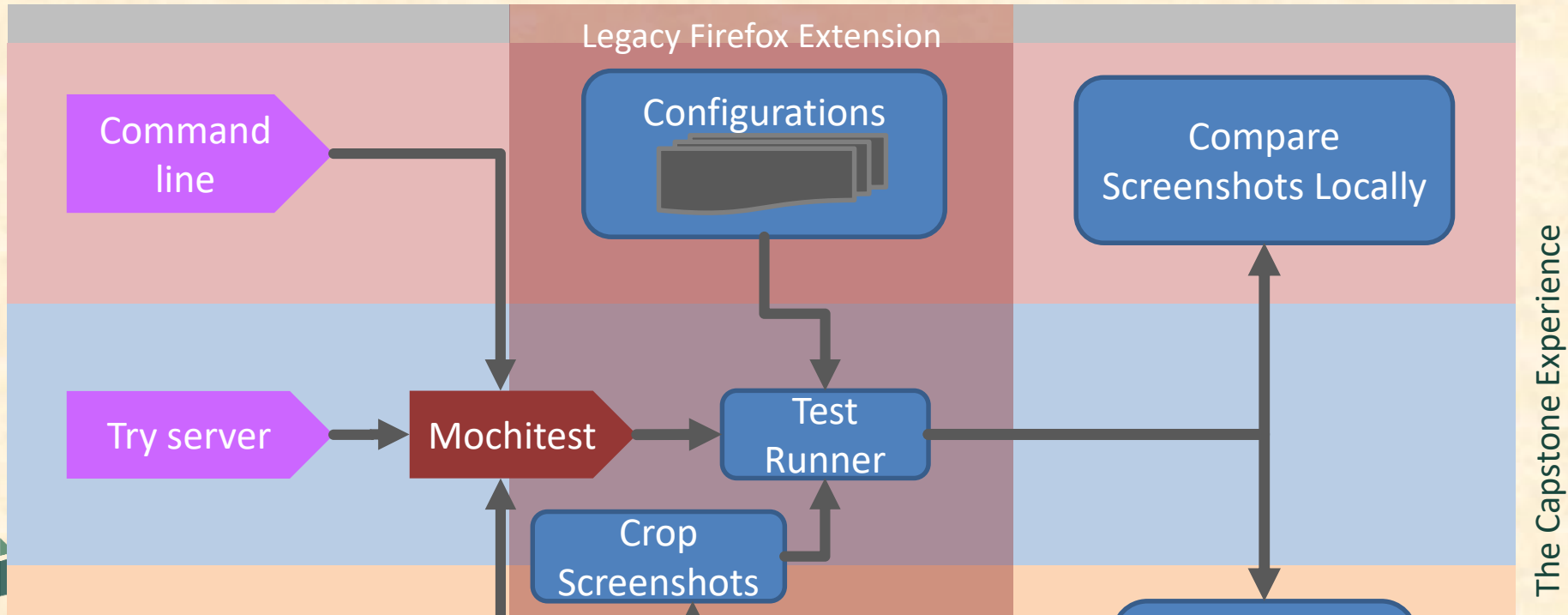


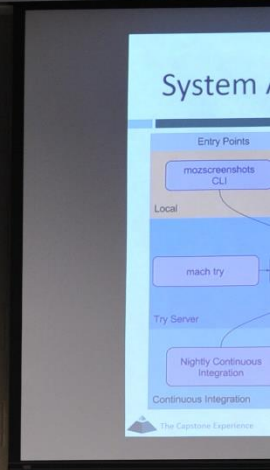
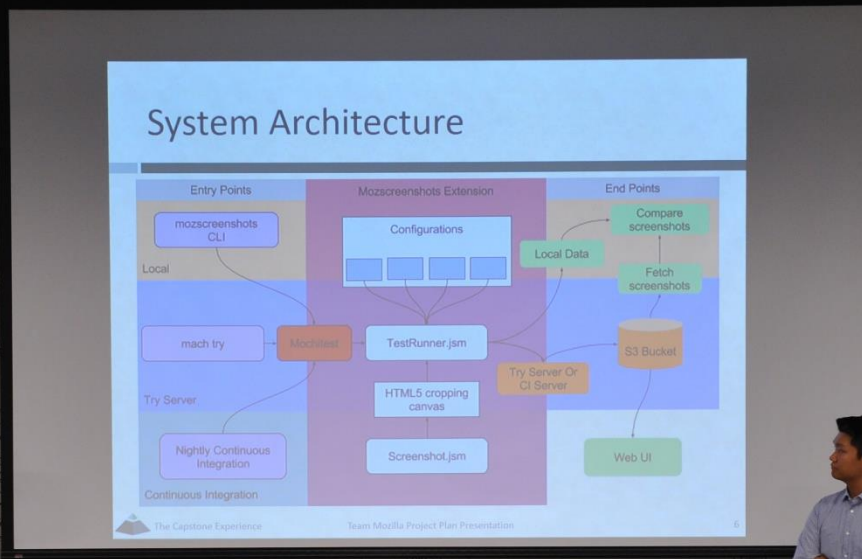
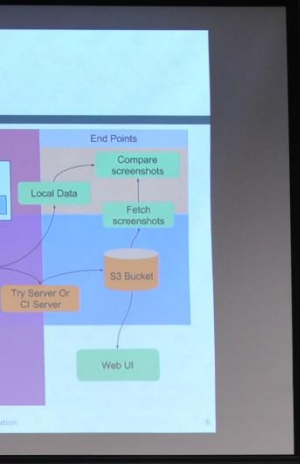
Team Mozilla Project Plan Presentation

Team Mozilla Project Plan Presentation

a.

Architecture Diagram





Team Mozilla Project Plan Presentation

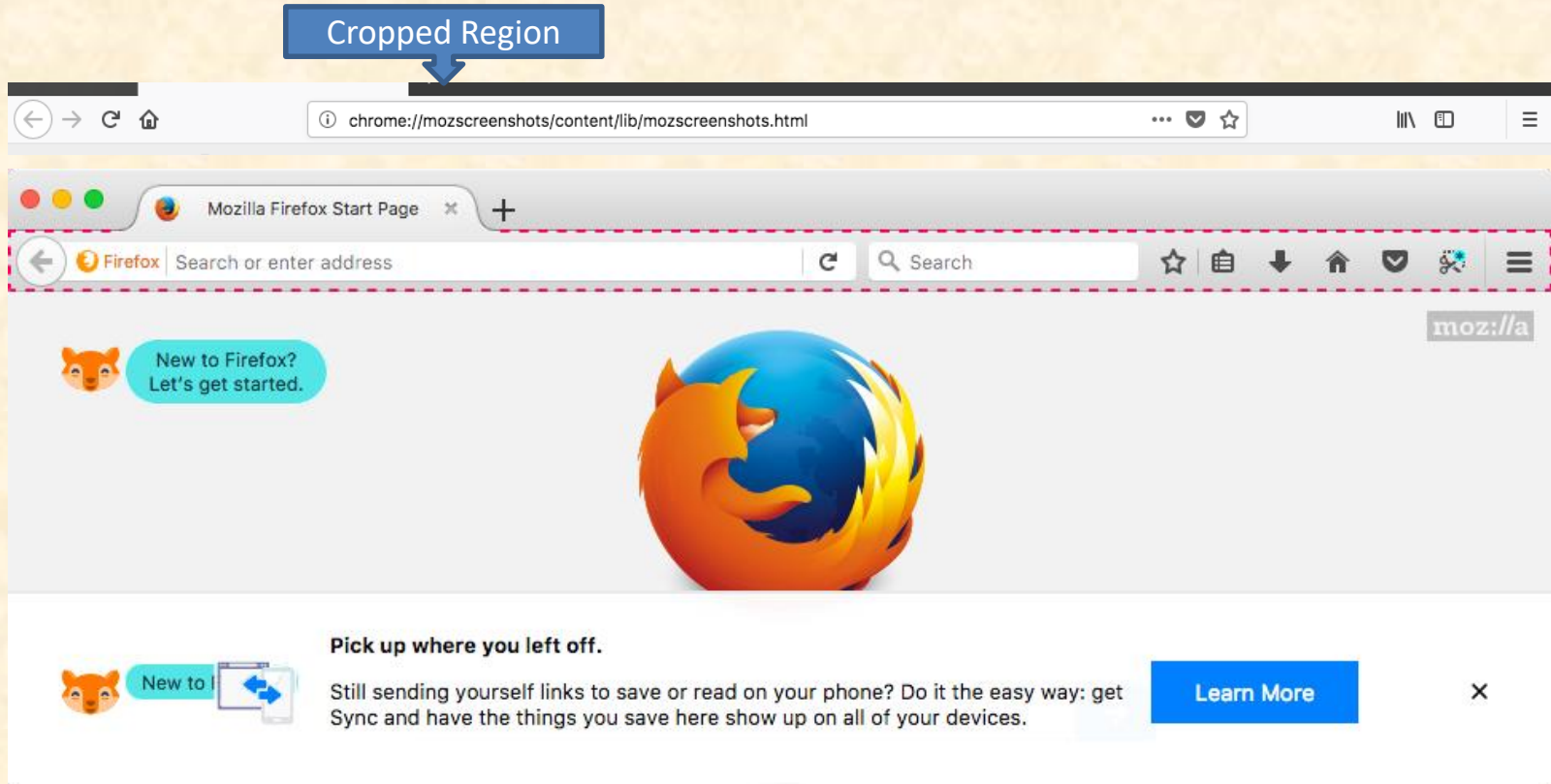


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Team Mozilla Alpha Presentation

2.

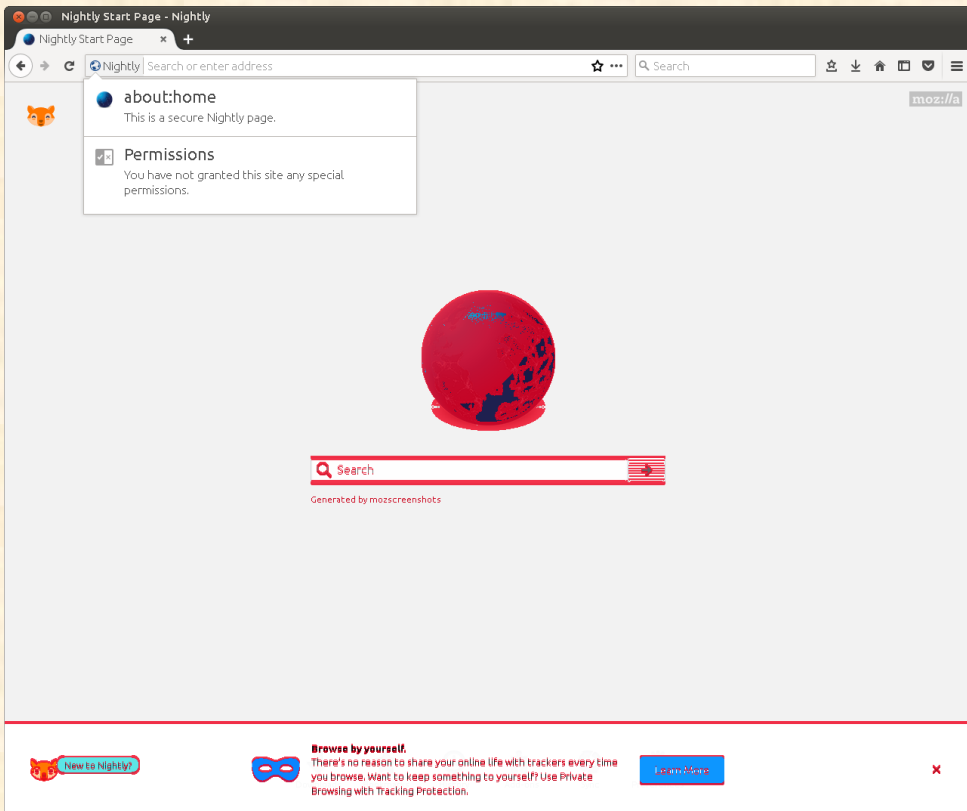
Automated Cropping Region

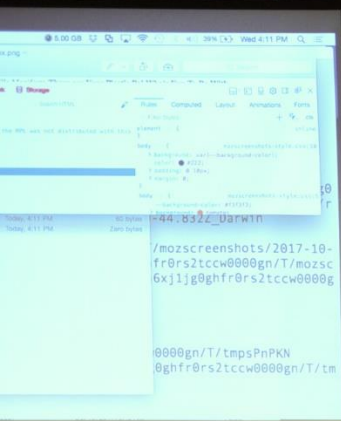


Team Mozilla Alpha Presentation

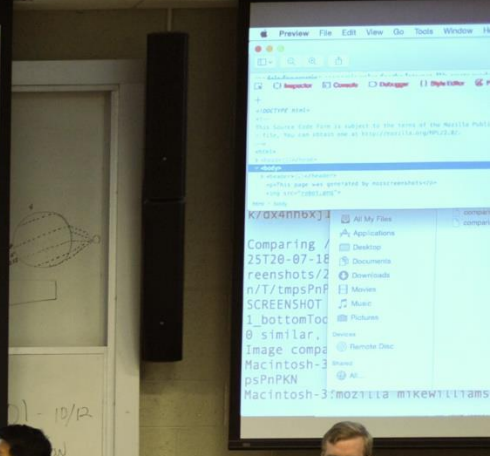
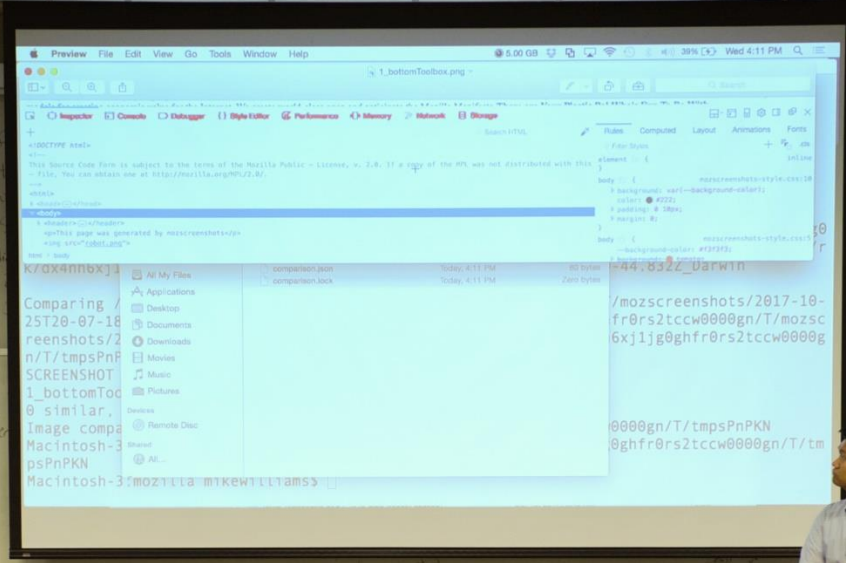
2.

Major Difference Detected





Q14 - 2017-10-18
used from
H2O protein
012-10-18
Climate change
Why doesn't
leaf + H2O
2(a)
Transfer
of



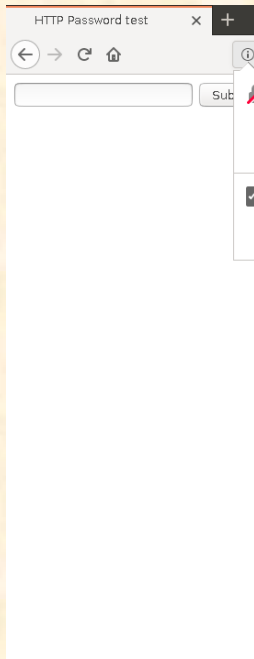
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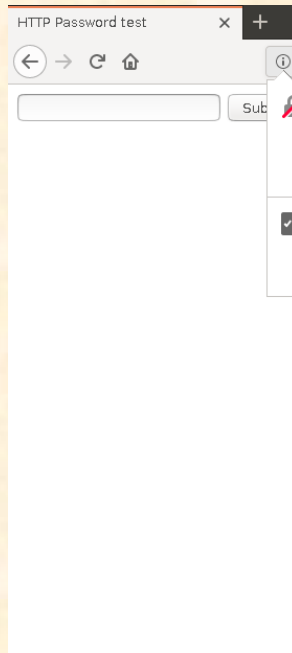
a.

Subtle Difference Detected

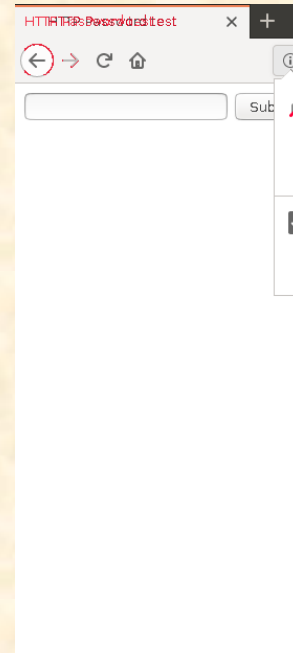
Before
Change



After
Change



Difference





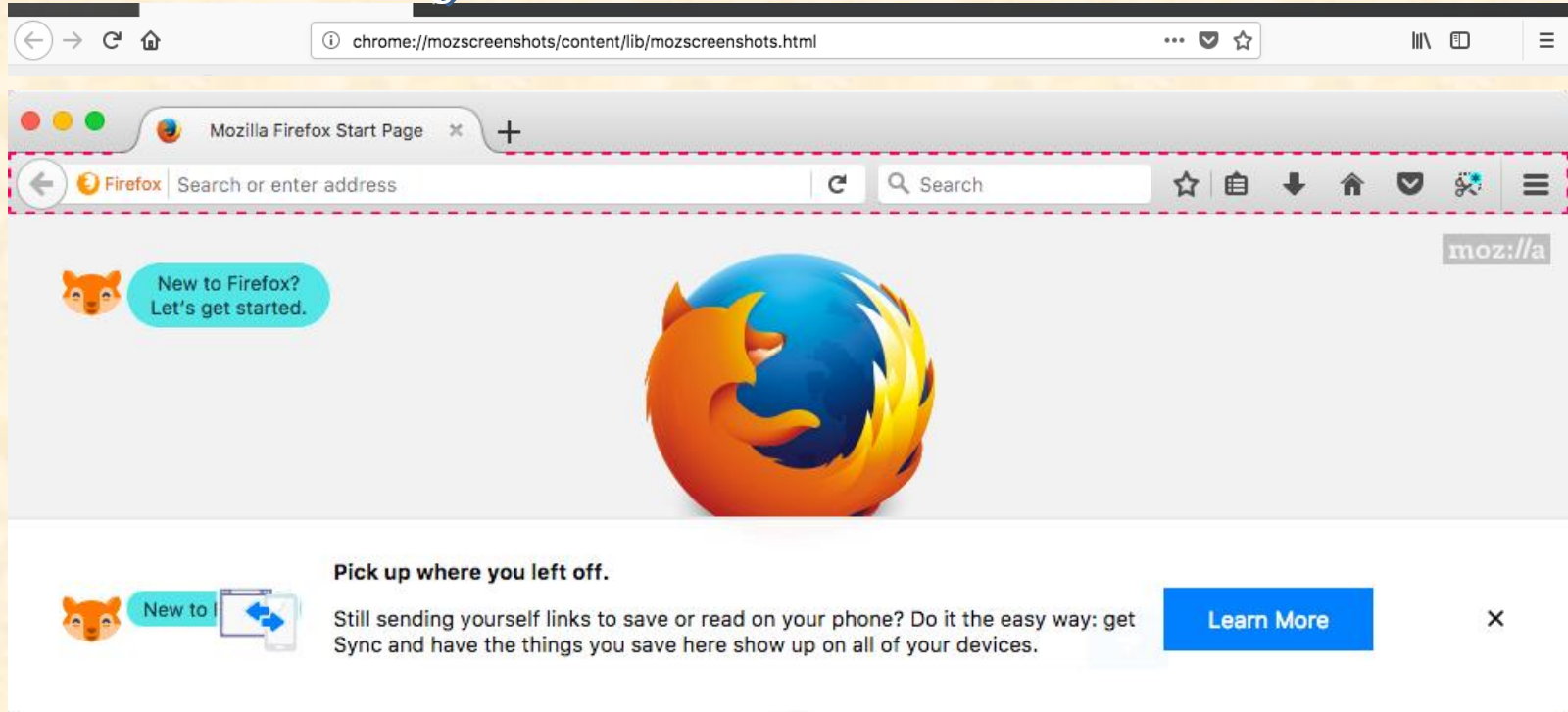
Team Mozilla Beta Presentation

Team Mozilla Beta Presentation

2.

Automated Cropping Region

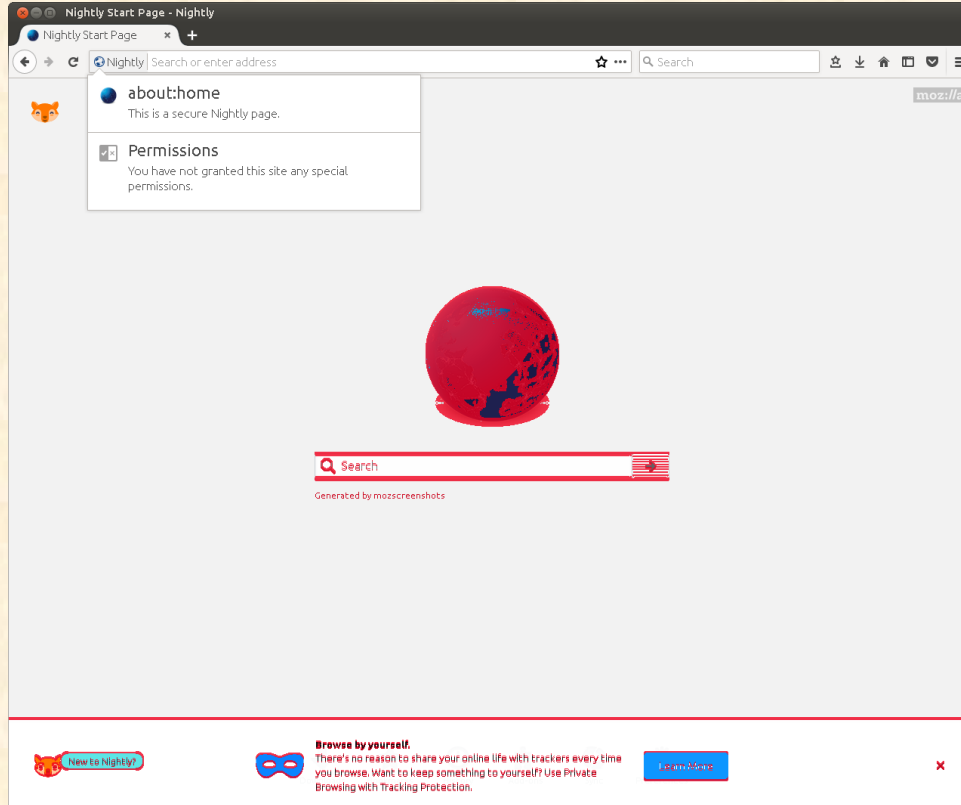
Cropped
Region



Team Mozilla Beta Presentation

2.

Major Difference Detected





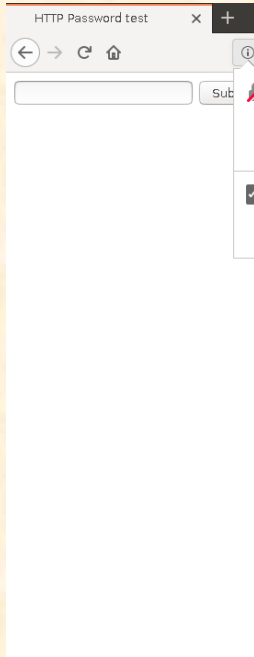
Team Mozilla Beta Presentation

Team Mozilla Beta Presentation

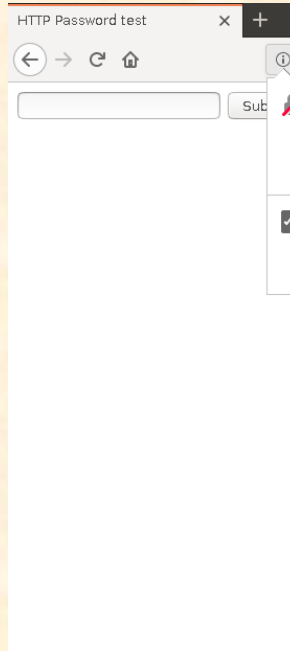
a.

Subtle Difference Detected

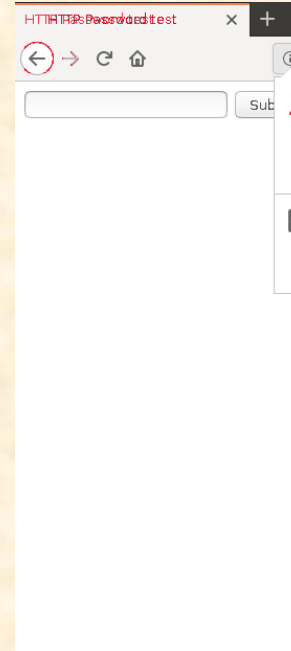
Before
Change

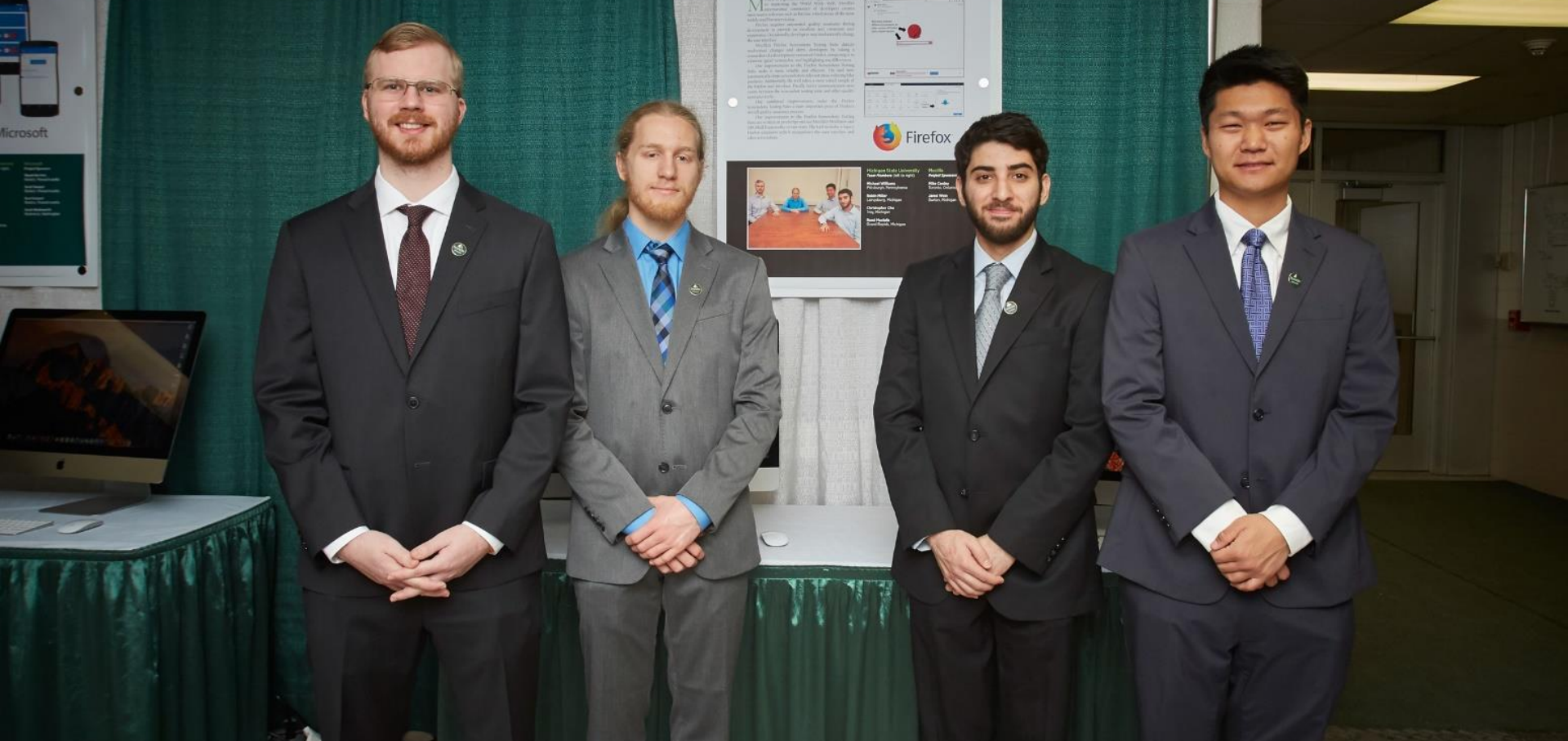


After
Change



Difference





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RESOURCES

OPEN AN ACCOUNT



ComputerLine



Protected by TrulyU®

Username

Password

Sign In

Forgot Username?

Forgot Password?

Routing Number

272479663

SWIFT Code

MSUCUS44

CURRENT RATES

Auto Loan

as low as 2.190% APR



Loans

Home Loans

Savings

Business

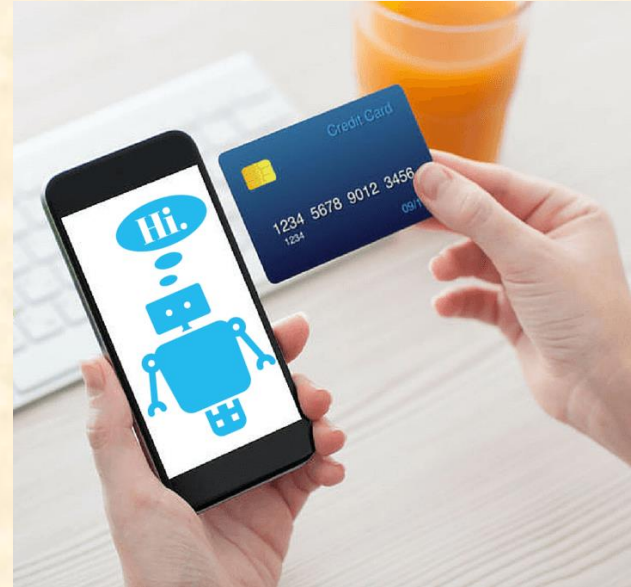
Earn 50% More Cash Back While

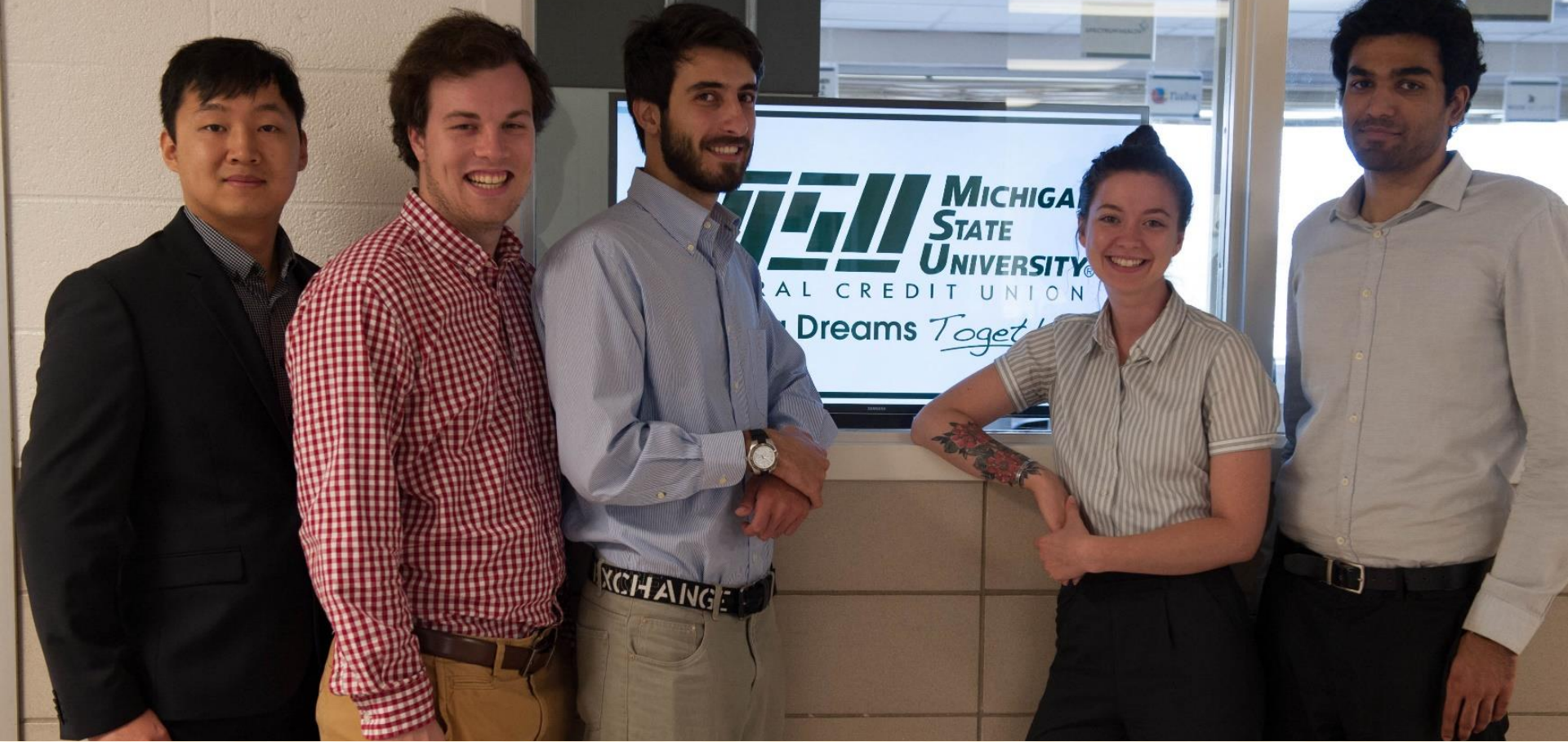
Team MSUFCU

Project Overview

Digital Banking with Chatbots

- Functionalities
 - Provide Virtual Banking Assistance
 - Using a Chatbot
- Features
 - Handles Same Services As Live Chat Service
 - Leverage Natural Language Processing
 - Emulate Human-to-Human Interaction
 - Redirect Complex Requests to Customer Service Reps
 - Support Short Message Service (SMS) and iMessage
 - Integrate with Other MSUFCU Services
 - Website
 - Mobile App
 - Amazon's Alexa
 - Provide Web-Based Content Management System
- Technologies
 - Amazon Echo
 - Alexa Skills Kit
 - CSS / HTML5 / PHP / JavaScript
 - Google Android Tablets and Phones / Java
 - Apple iPads and iPhones (iOS) / Swift or Objective-C
 - MySQL
 - Short Message Service (SMS) and Apple's iMessage
 - Encryption based on SQL standards
 - Natural Language Processing (NLP)





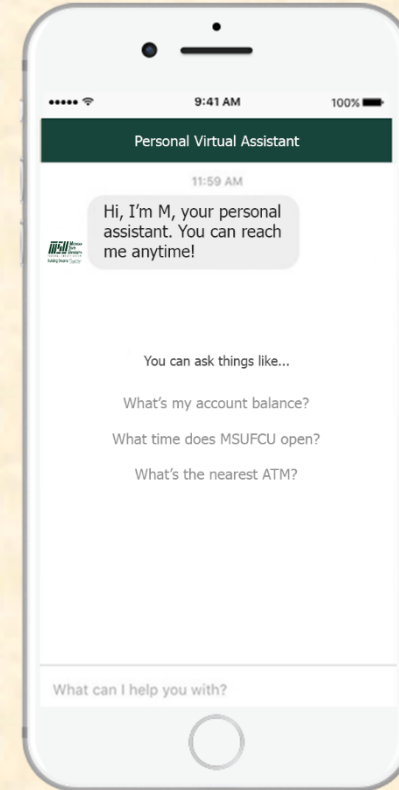
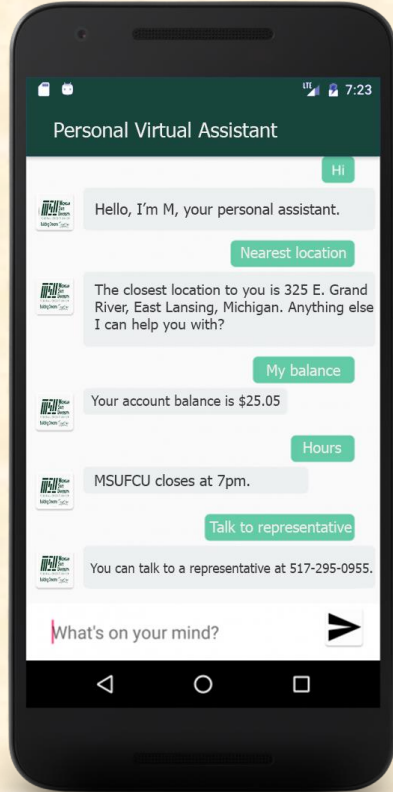
Team MSUFCU

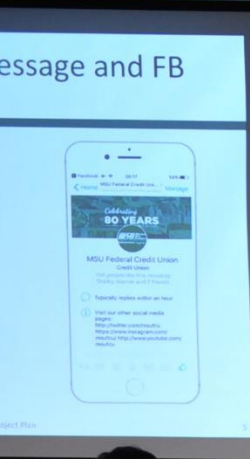
Chuanyun Xiao, Josh Benner, Gus Fernandes, Cori Tymoszek, Syed Naqvi

Team MSUFCU Project Plan Presentation

2.

Screen Mockup





Screen Mockup: iMessage and FB Messenger

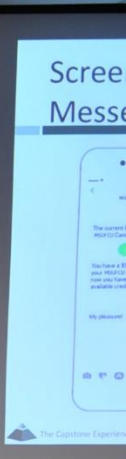


Screen Mockup: iMessage and FB Messenger

Screen Mockup: iMessage and FB Messenger

Screen Mockup: iMessage and FB Messenger

Screen Messages



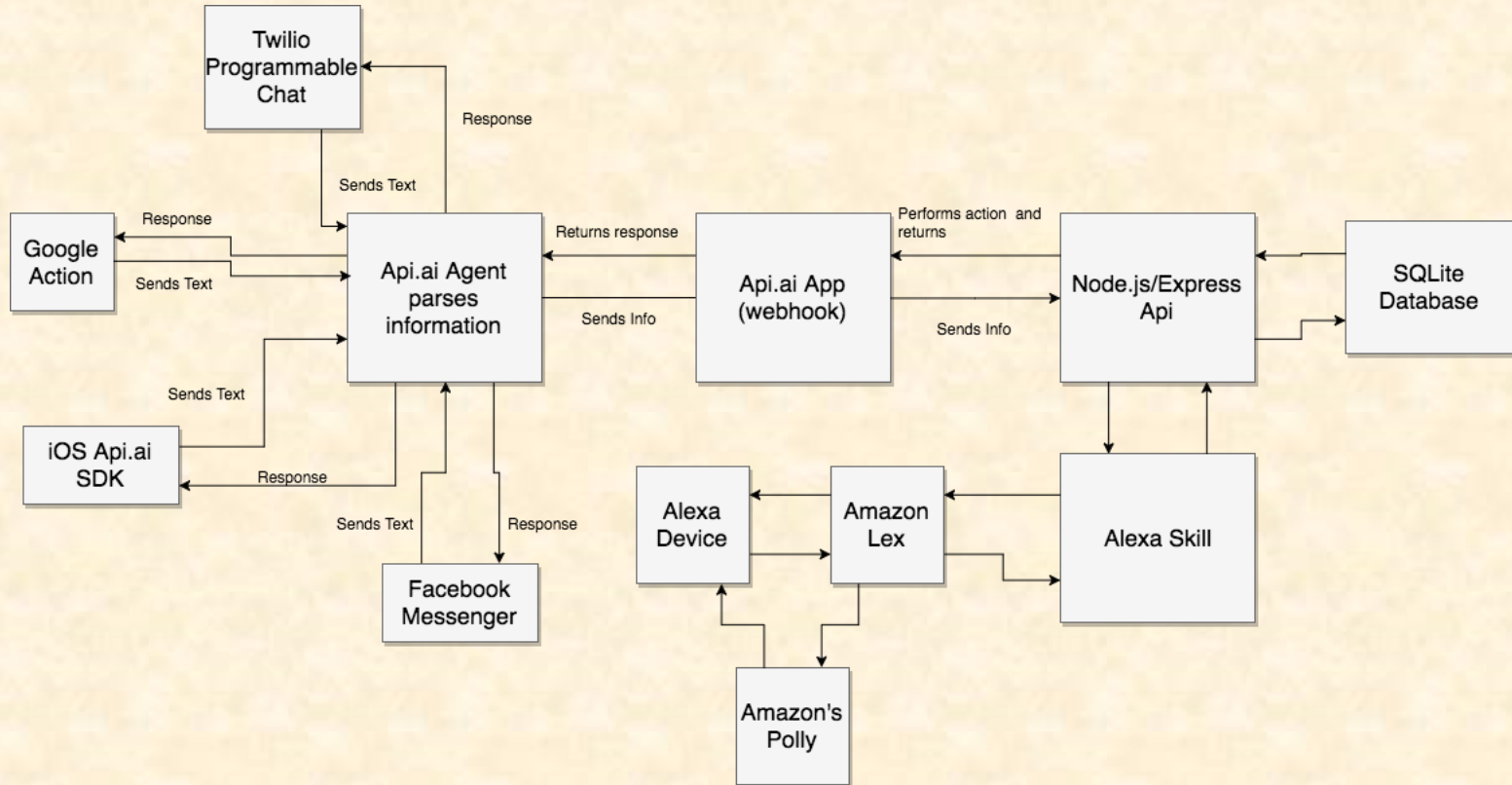
Screen Messages

Team MSUFCU Project Plan Presentation

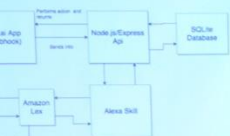
Team MSUFCU Project Plan Presentation

2.

Architecture Diagram



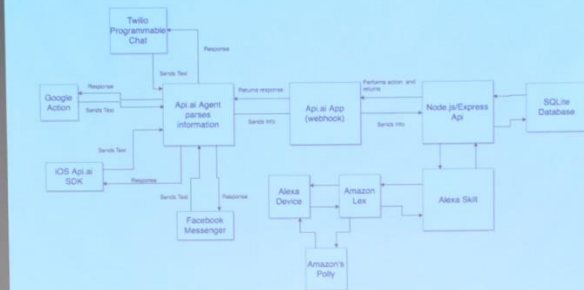
re: App



CD Project Plan

11

System Architecture: App



The Capstone Experience

Team MSUFCU Project Plan

11

System A



The Capstone Experience

Team MSUFCU Project Plan Presentation

Team MSUFCU Project Plan Presentation

a.

Screen Mockup

"Alexa, what's my
account balance?"

"Alexa, what time does
MSUFCU open today?"



"Alexa, I can't access
my bank account."

"Alexa, show me my
last 5 transactions."





Team MSUFCU Alpha Presentation

Team MSUFCU Alpha Presentation

2.

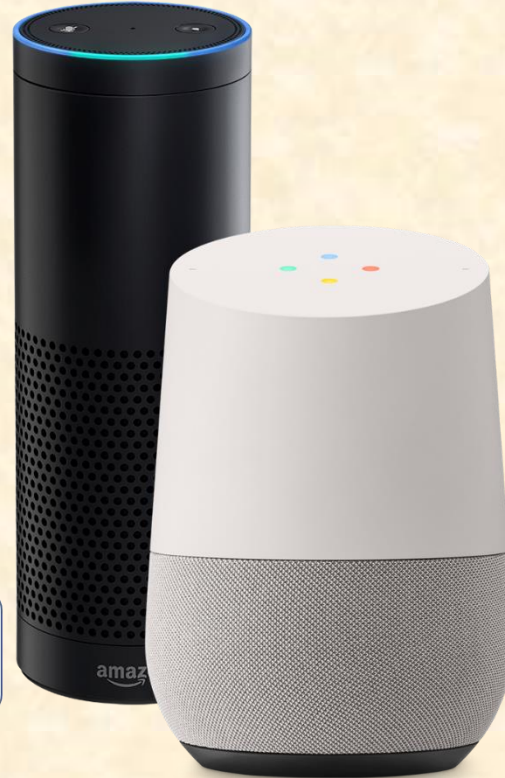
Google Assistant and Alexa

Hey, what's my checking
account balance?

Sure, account balance.
Please say your 4 digit PIN.

It's 6781.

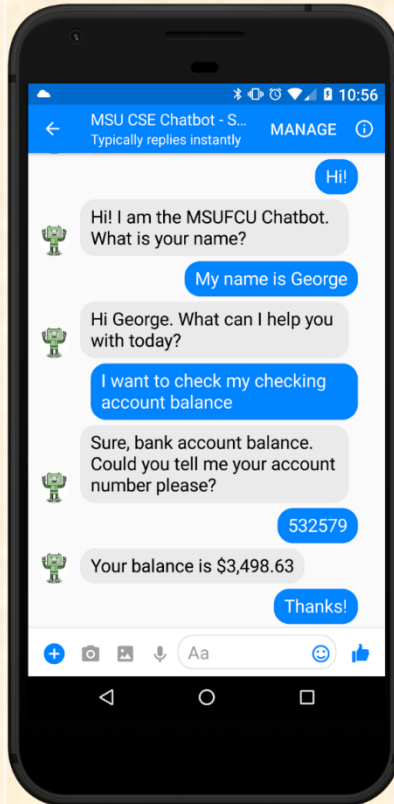
Thanks. Your balance is
\$3,498.63



Team MSUFCU Alpha Presentation

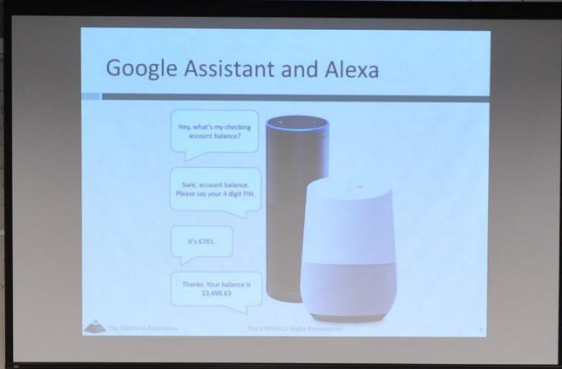
2.

Facebook Messenger



- Convenient
- Easy and fast
- 24/7 support



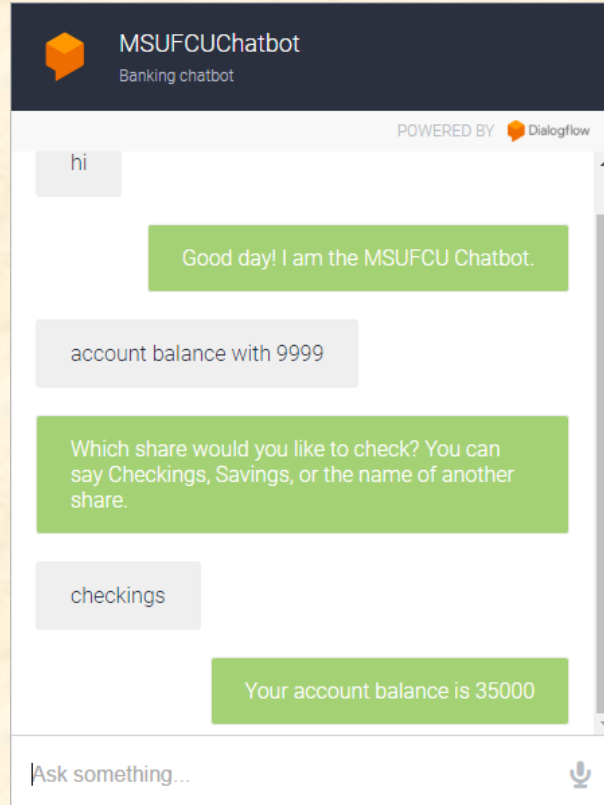


Team MSUFCU
Alpha Presentation

Team MSUFCU Alpha Presentation

a.

Web App





Team MSUFCU Beta Presentation

Team MSUFCU Beta Presentation

2.

Google Assistant and Alexa

Hey MSUFCU, what's my checking account balance?

Alright, you want your account balance. Please say your 4 digit PIN.

It's 6781.

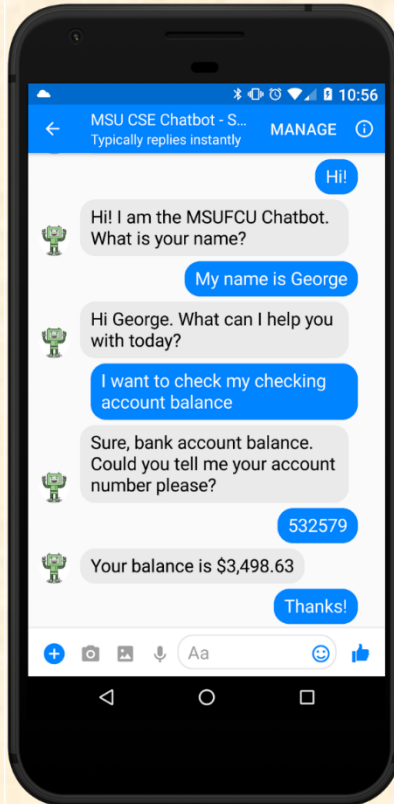
Thanks. Your checking account balance is \$3,498.63.



Team MSUFCU Beta Presentation

2.

Facebook Messenger



- Convenient
- Easy and fast
- 24/7 support



and Alexa



CU Beta Presentation

4

Google Assistant and Alexa

Hey MSUFCU, what's my checking account balance?

Alright, you want your account balance. Please say your 4 digit PIN.

It's 6781.

Thanks. Your checking account balance is \$3,498.63.



Scapstone Experience

Team MSUFCU Beta Presentation

4

Team MSUFCU
Beta Presentation

Team MSUFCU Beta Presentation

2.

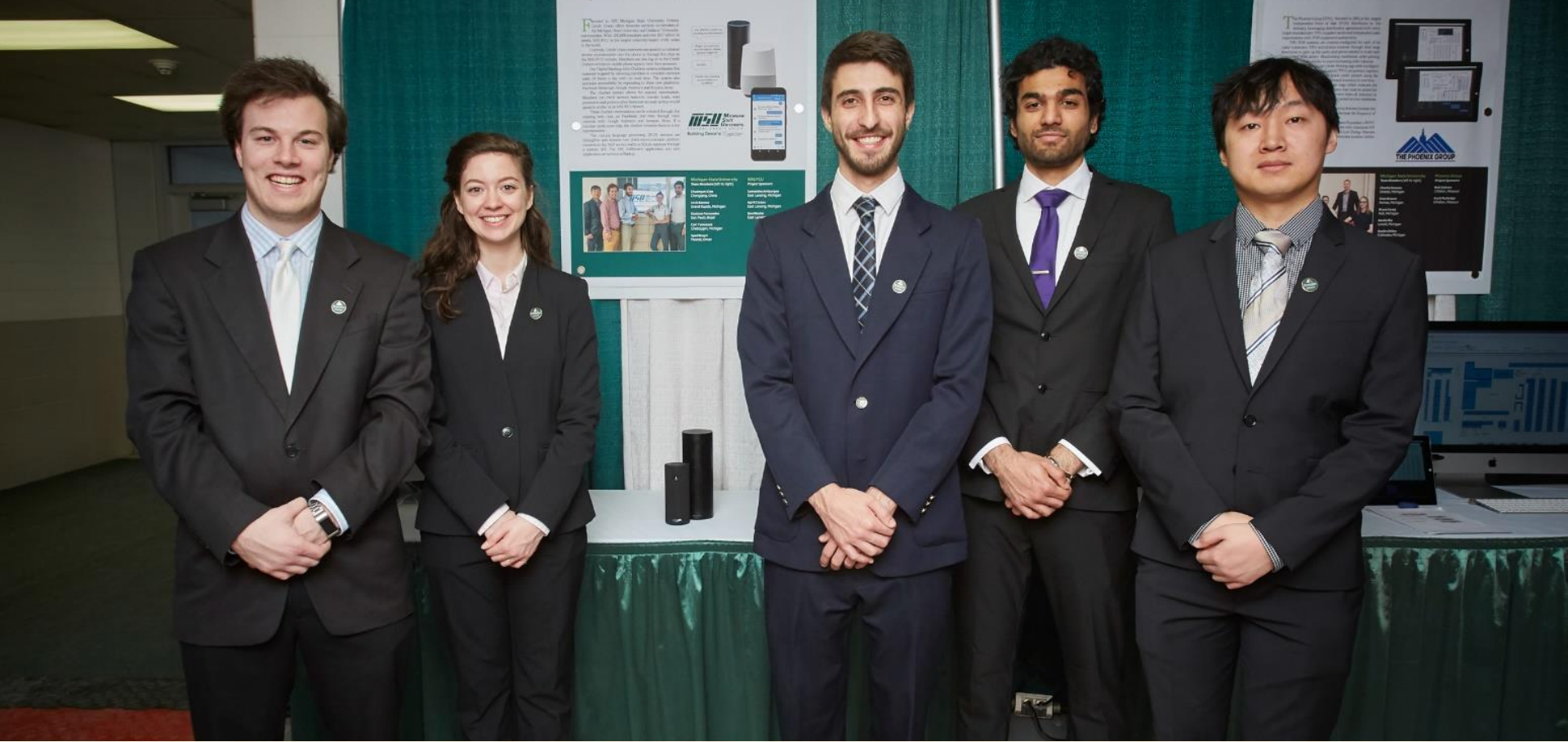
Web App

The screenshot displays the MSUFCU website's homepage. At the top, the MSUFCU logo is on the left, and navigation links for "Locations", "Careers", and "Live Chat" are in the center. On the right, there are buttons for "Open an Account" and "Sign In". Below the navigation bar is a dark green menu with links for "LOANS", "ACCOUNT", "SERVICES", "BUSINESS", and "RESOURCES".

The main content area features a central image of an Amazon Echo device with the text "With Alexa" below it. Surrounding the device are five blue speech bubbles containing voice commands: "Alexa, what's my account balance?", "Alexa, I can't access my bank account.", "Alexa, what time does MSUFCU open today?", "Alexa, show me my last 5 transactions.", and "Alexa, I can't access my bank account." (repeated).

On the right side of the page, there is a "Chatbot" section. It has a green header with the word "Chatbot" and a close button. Below this is a dark blue box with the MSUFCU logo and the text "MSUFCUChatbot Banking chatbot". Underneath, it says "POWERED BY Dialogflow". The chat interface shows a sequence of messages: a user says "Hi", the chatbot responds "Hello! I am the MSUFCU Chatbot.", the user asks "What is routing number", and the chatbot responds "The routing number for MSUFCU is 272479663." At the bottom of the chat window is a text input field with the placeholder "Ask something..." and a microphone icon.

The Capstone Experience



Team MSUFCU
Design Day

MICHIGAN STATE
UNIVERSITY

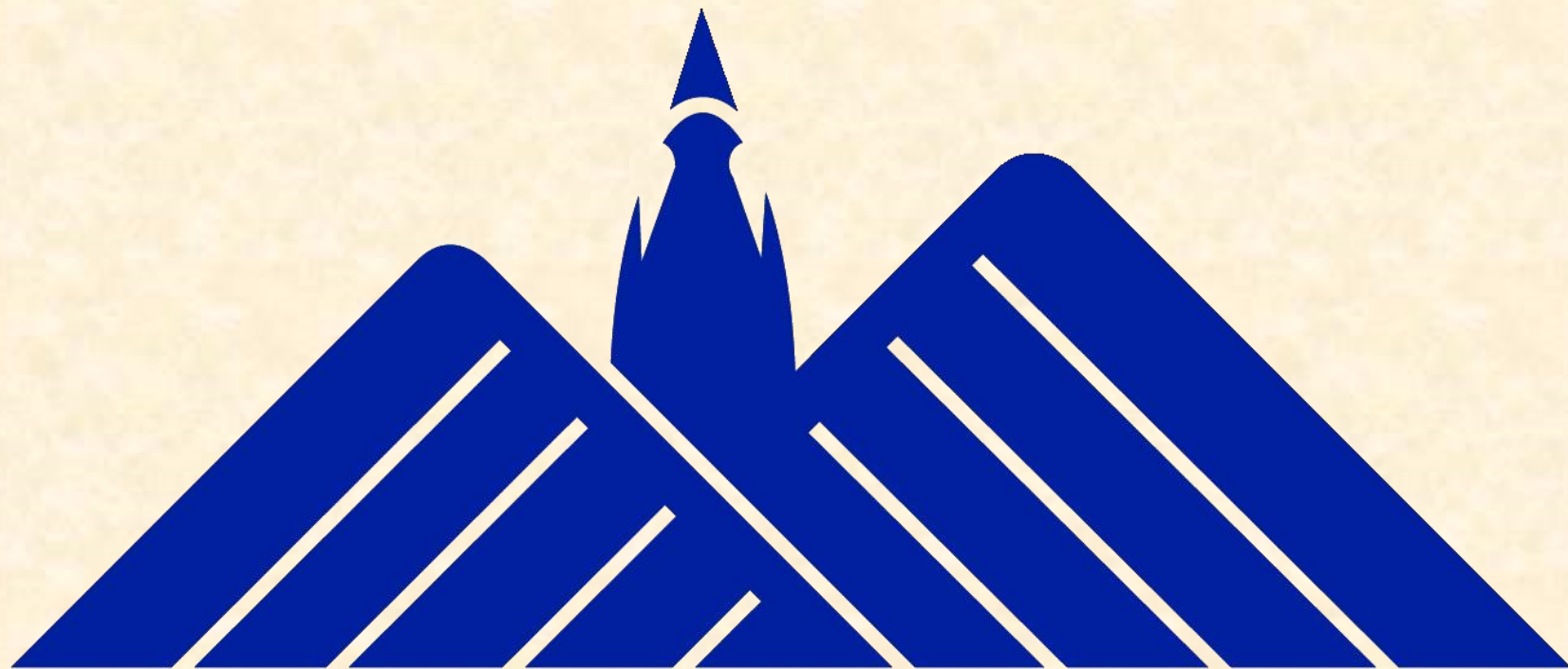
The Capstone Experience

Team Phoenix Group

Department of Computer Science and Engineering
Michigan State University
Fall 2017



*From Students...
...to Professionals*



THE PHOENIX GROUP



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[TPG CANADA](#)

[LOGIN](#)



WELCOME TO THE PHOENIX GROUP

Rising to New Levels in POS Service and
Delivery

[VIEW PRODUCTS](#)

Team Phoenix Group Project Overview

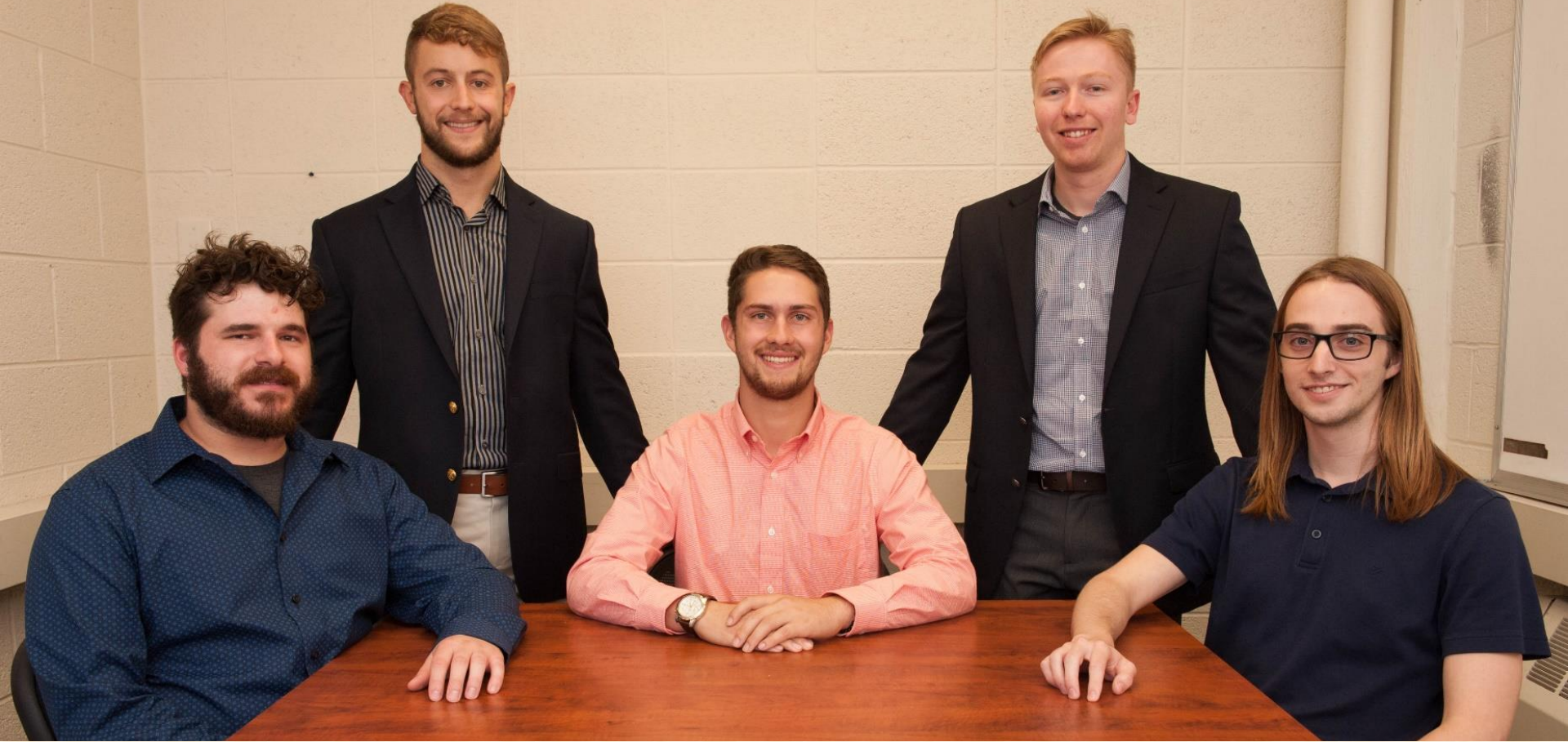
OPEN v2.0: Smart Order Picking

- Functionalities
 - Enhance Warehouse Order Picking Process
 - Using Bluetooth Low-Energy Devices
- Features
 - Create Windows Tablet-Based Pick Ticket
 - Display Geolocation-Based Warehouse Map
 - Provide Bin Locations and Route Planning
 - Support Real-Time Shelf Counts
 - Handle Bar Codes
- Technologies
 - Microsoft Windows Presentation Foundation (WPF)
 - Microsoft .NET Framework
 - Microsoft C#
 - Microsoft Visual Studio 2015
 - Bluetooth Low Energy Devices
 - MySQL Server
 - Bar Code Scanning Technologies



O'Fallon, Missouri





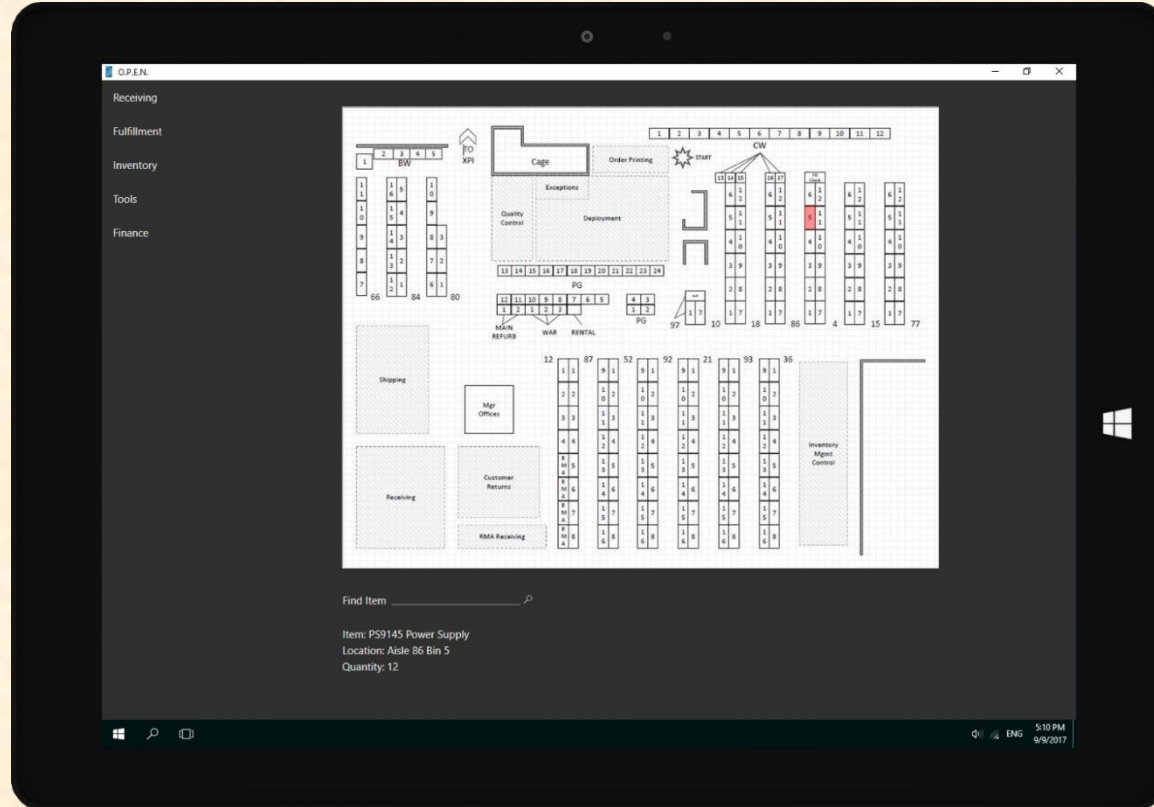
Team Phoenix Group

Charlie Deneau, Evan Brazen, Bryce Corey, Austin Rix, Austin Littley

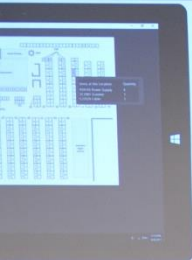
Team Phoenix Group Project Plan Presentation

2.

Screen Mockup

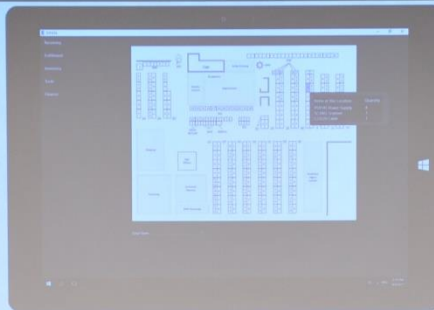


Inventory Display



Group Project Plan

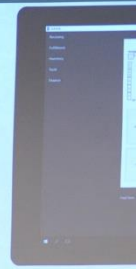
Screen Mockup: Inventory Display



The Capstone Experience

Team Phoenix Group Project Plan

Screen Mock



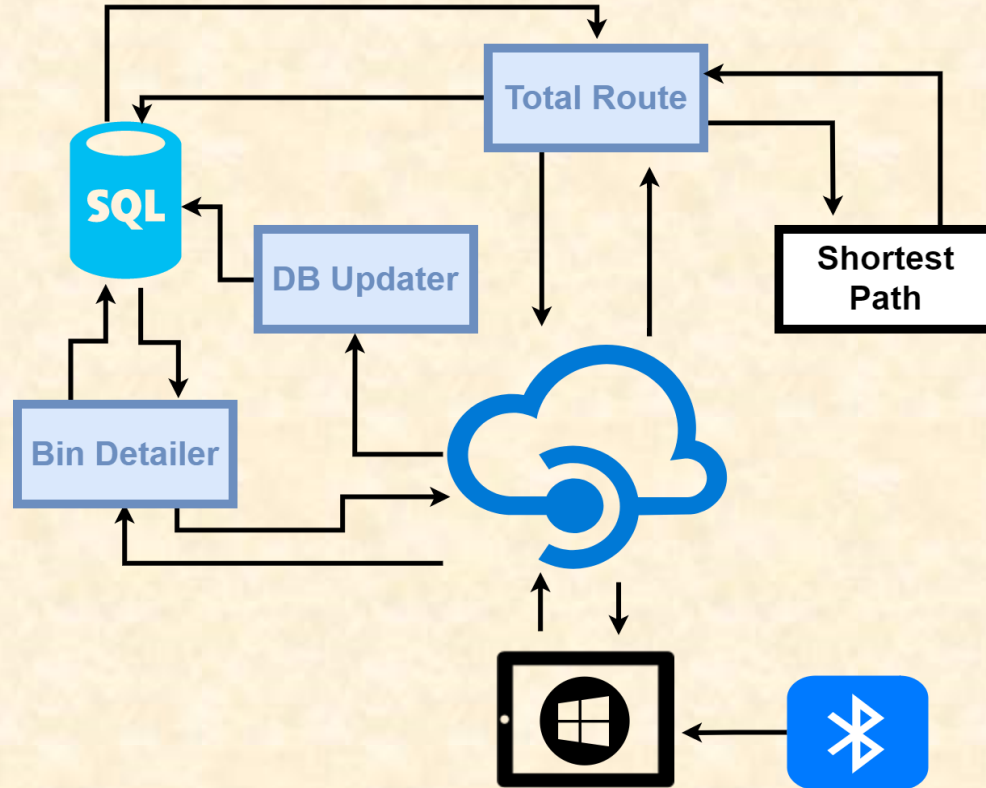
The Capstone Experience

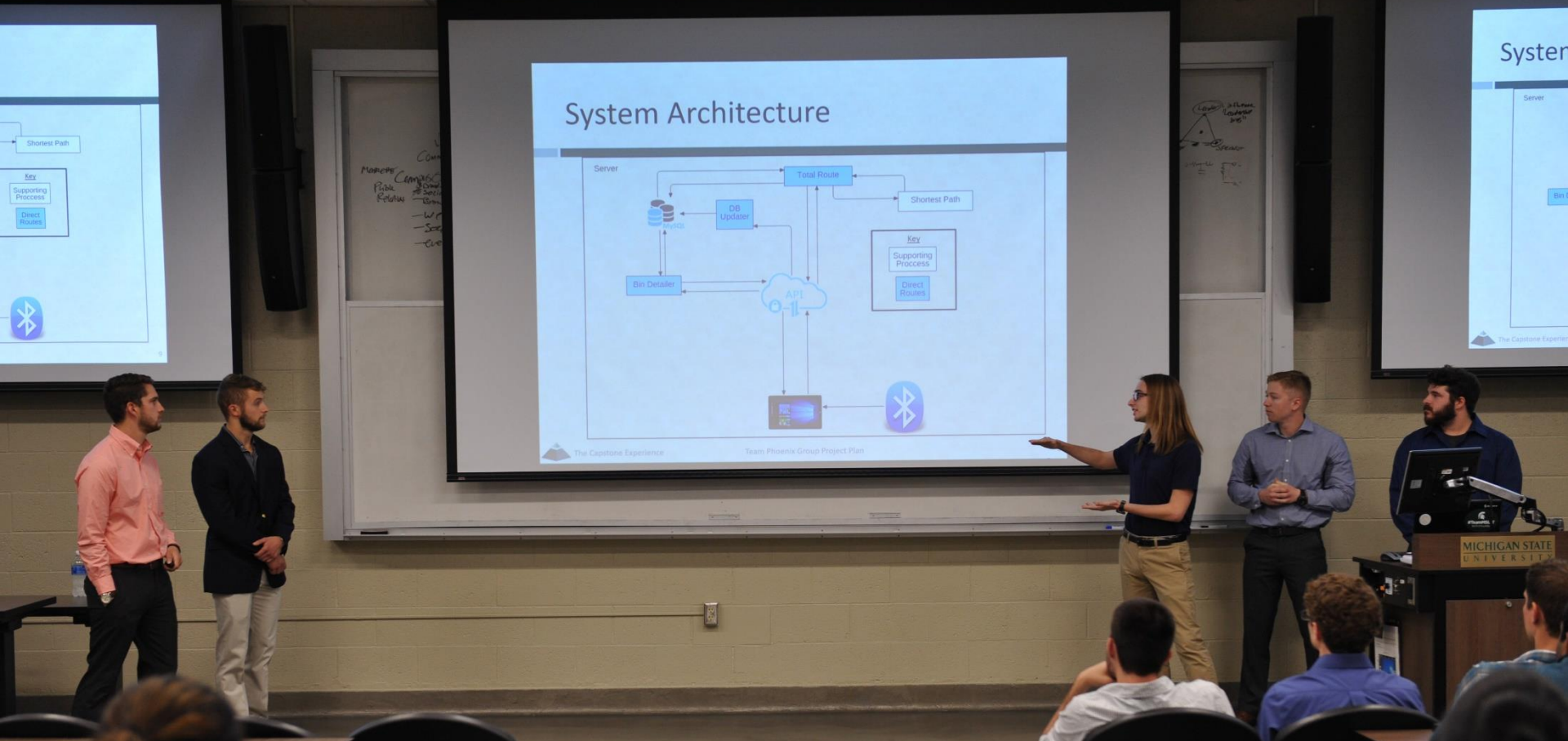
Team Phoenix Group
Project Plan Presentation

Team Phoenix Group Project Plan Presentation

a.

Architecture Diagram



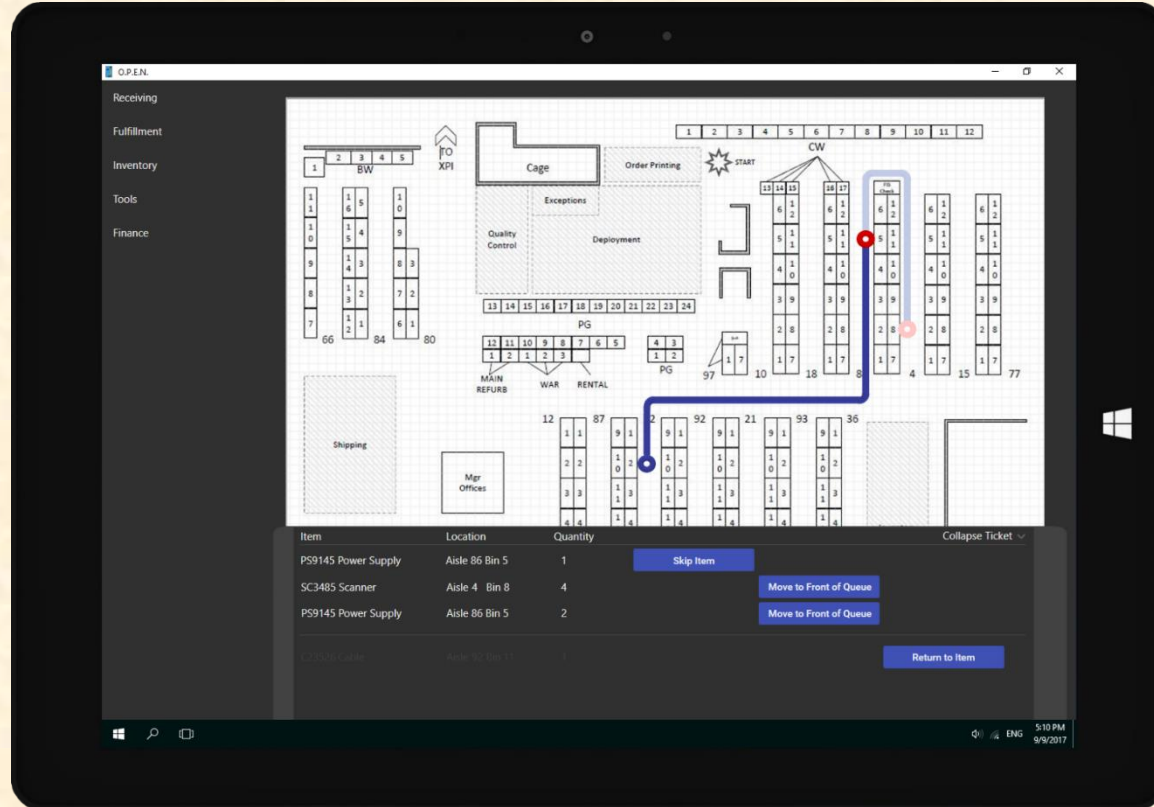


Team Phoenix Group
Project Plan Presentation

Team Phoenix Group Project Plan Presentation

2.

Screen Mockup



The Capstone Experience



Team Phoenix Group Alpha Presentation

2.

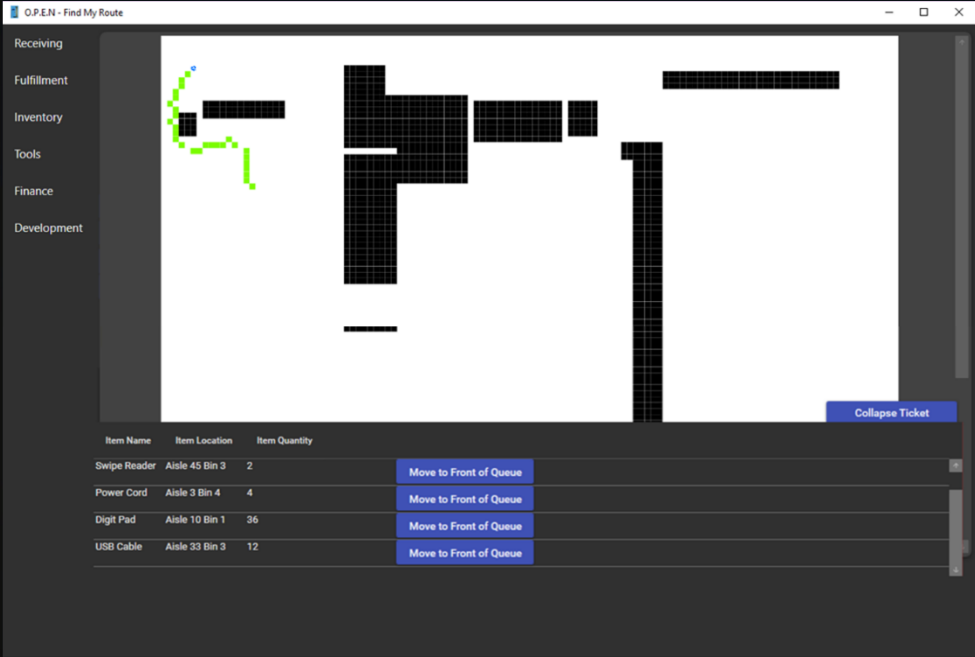
The Capstone Experience



Team Phoenix Group Alpha Presentation

2.

Map Order Fulfillment



The screenshot displays the 'O.P.E.N. - Find My Route' application. On the left is a sidebar menu with options: Receiving, Fulfillment, Inventory, Tools, Finance, and Development. The main area shows a grid-based floor plan of a warehouse with a green path. Below the map is a table with item details and a 'Collapse Ticket' button.

Item Name	Item Location	Item Quantity	Action
Swipe Reader	Aisle 45 Bin 3	2	Move to Front of Queue
Power Cord	Aisle 3 Bin 4	4	Move to Front of Queue
Digit Pad	Aisle 10 Bin 1	36	Move to Front of Queue
USB Cable	Aisle 33 Bin 3	12	Move to Front of Queue

The Windows taskbar at the bottom shows the time as 5:10 PM on 9/9/2017.



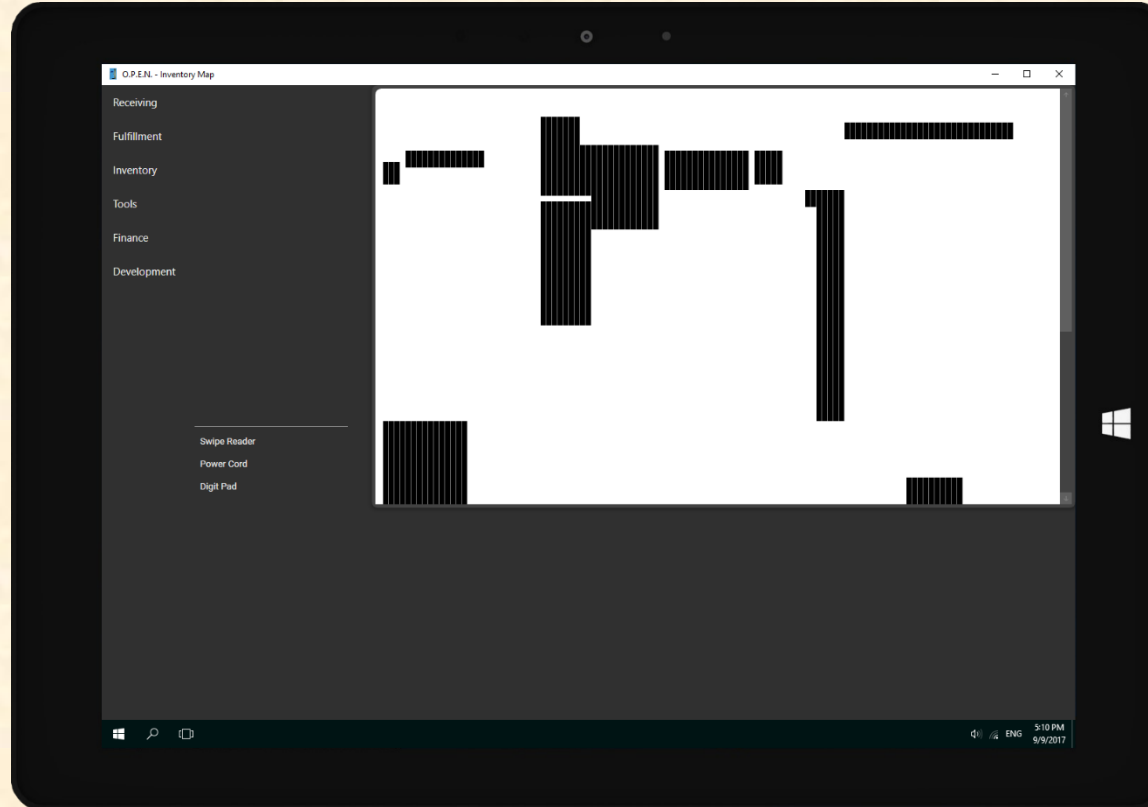


Team Phoenix Group Alpha Presentation

Team Phoenix Group Alpha Presentation

a.

Inventory Map





Team Phoenix Group Beta Presentation

2.

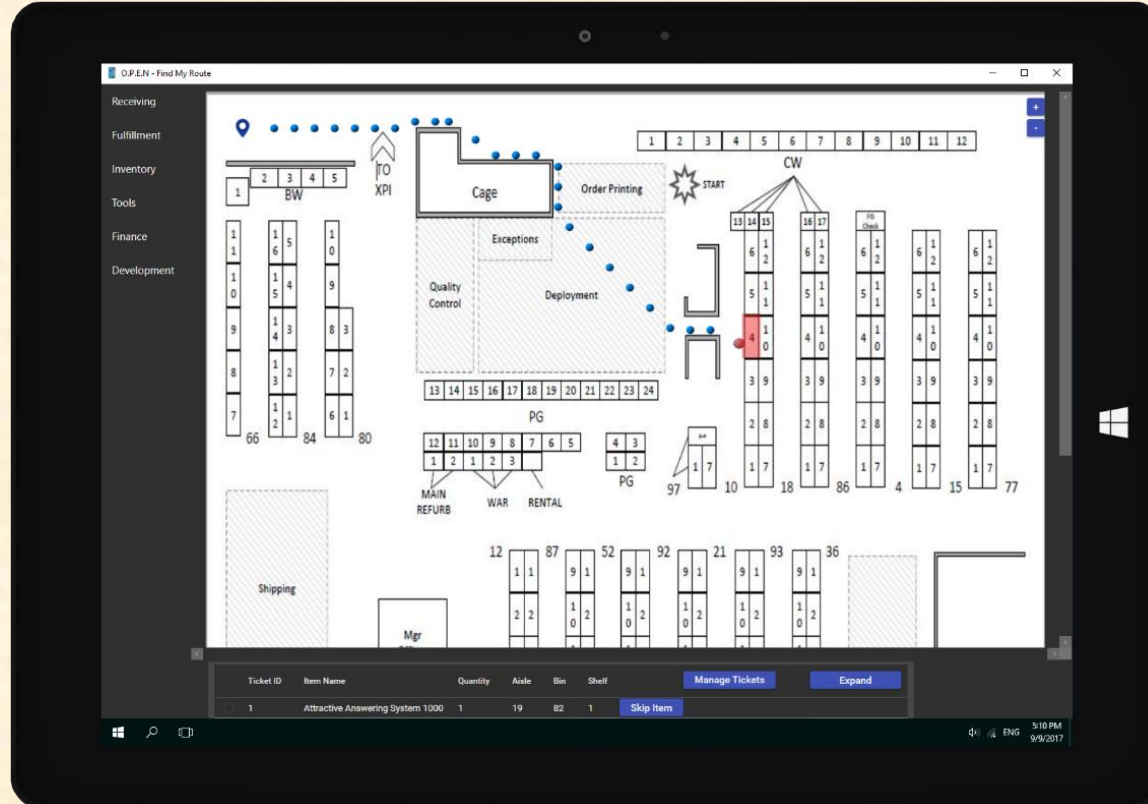
The Capstone Experience



Team Phoenix Group Beta Presentation

2.

Map Order Routing



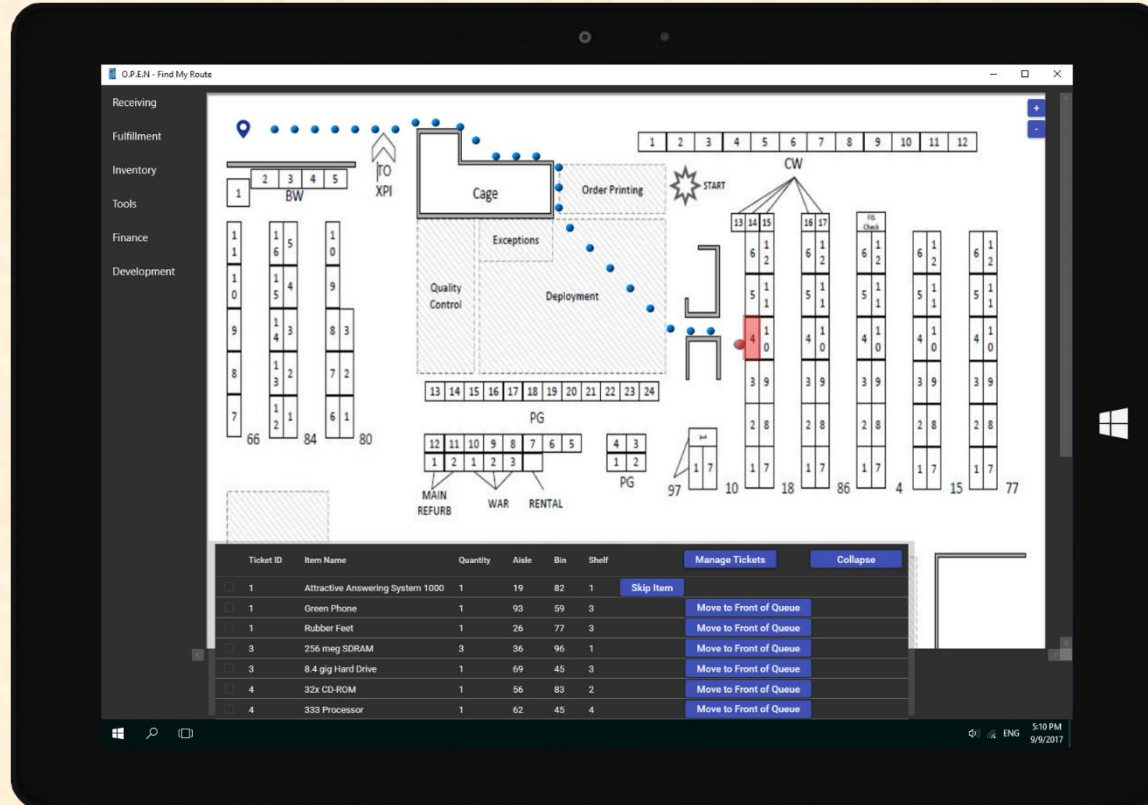


Team Phoenix Group Beta Presentation

Team Phoenix Group Beta Presentation

2.

Map Order Fulfillment





Team Phoenix Group
Design Day

MICHIGAN STATE
UNIVERSITY

The Capstone Experience

Team Rook

Department of Computer Science and Engineering
Michigan State University
Fall 2017



*From Students...
...to Professionals*



ROOK SECURITY



[HOME](#)

[WHO WE ARE](#)

[WHAT WE DO](#)

[RESOURCES](#)

[CAREERS](#)

[CONTACT](#)



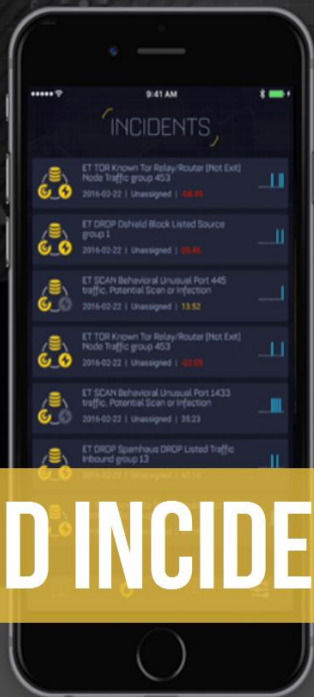
WAR ROOM™

THE ONE-CLICK FORCE MULTIPLIER

Extending the FORCE+ platform, War Room™ provides real-time incident and crisis management for your entire team.

Download on the
App Store

UNIFIED INCIDENT MANAGEMENT



Team Rook Project Overview

Cloud Security Event Processing and Alerting Platform

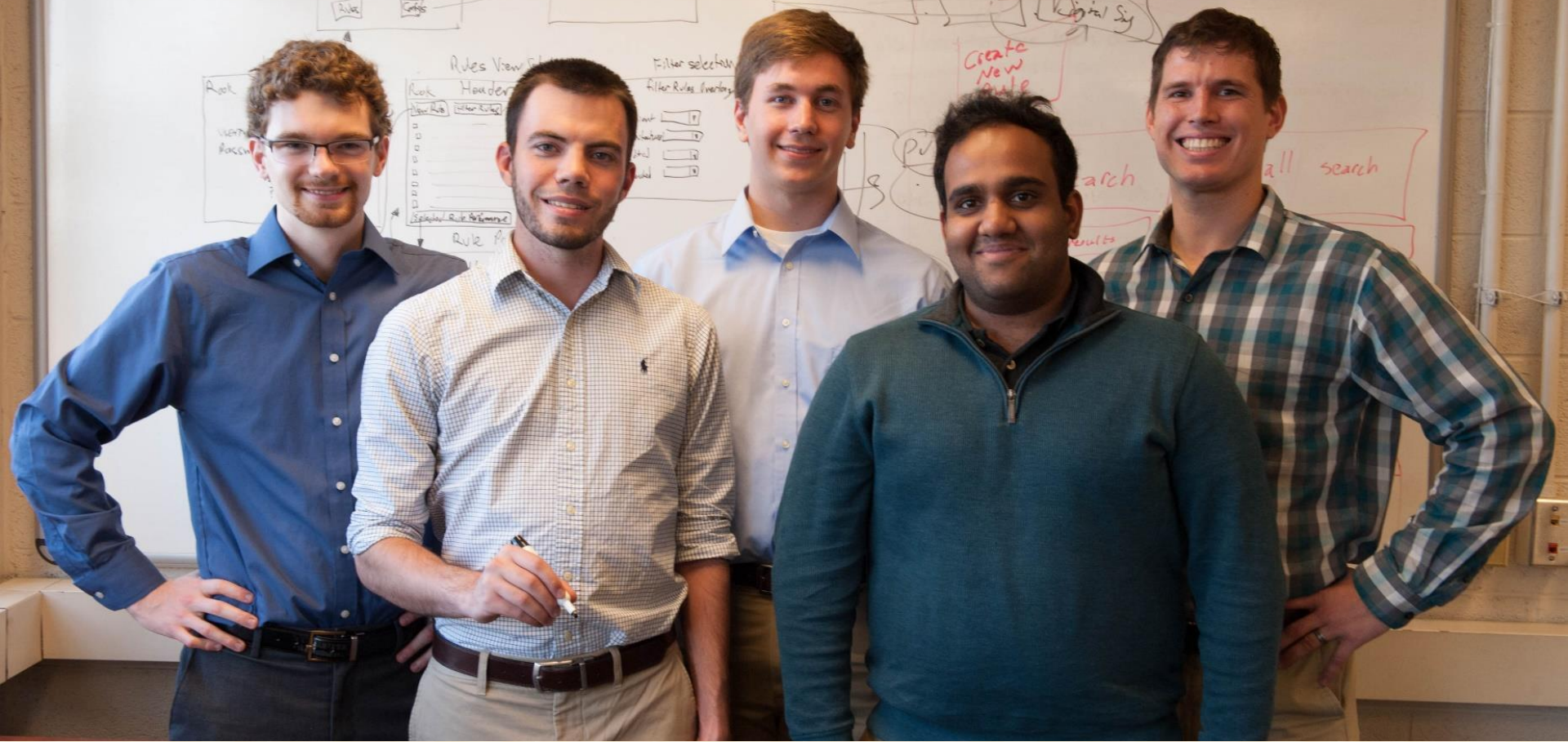
- Functionalities
 - Analyze Cyber Security Events
 - Using a Serverless Architecture
 - That Scales to Millions of Events Per Day
- Features
 - Design and Build a Web App
 - Support Management of Correlation Rules
 - Edit Existing Rules
 - Examine Performance of New Rules
 - Detect and Notify When Alerts or Rules Triggered
 - Accommodate Increasing Scale Using Amazon Cloud
 - Integrate with Rook's Force Platform
- Technologies
 - Amazon Athena
 - Amazon Simple Email Services (SES)
 - Amazon Lambda
 - Amazon S3
 - Elasticsearch
 - Ubuntu 16.04
 - Python / Django
 - CSS / HTML / JavaScript / JSON
 - RESTful Web Services



ROOK
SECURITY
Indianapolis, Indiana

The Capstone Experience






Team Rook

Jake Fenton, Brian Jones, Alex Fall, Kaushik Sridasyam, Bradley Baker

Team Rook Project Plan Presentation

2.

Screen Mockup



ROOK SECURITY

Update Rule

Rule name:

Architechure: ▼

Occurances until alert: ▼

Rule specification json



Profiles

Screen Mockup: Client Profiles



Client Profile

[Add Rule](#) [Edit Rule](#) [Delete Rule](#)

Current Rules For Client

Rule	Who To Contact	Last Breach
<input type="checkbox"/> Malicious Event	bobdy@gmail.com	20190212016
<input type="checkbox"/> Bad Breaching Packet	support@rook.com	1438NOV2017
<input type="checkbox"/> Too many Requests	alan@theman.com	22-30APR22

Client Contacts



The Capstone Experience

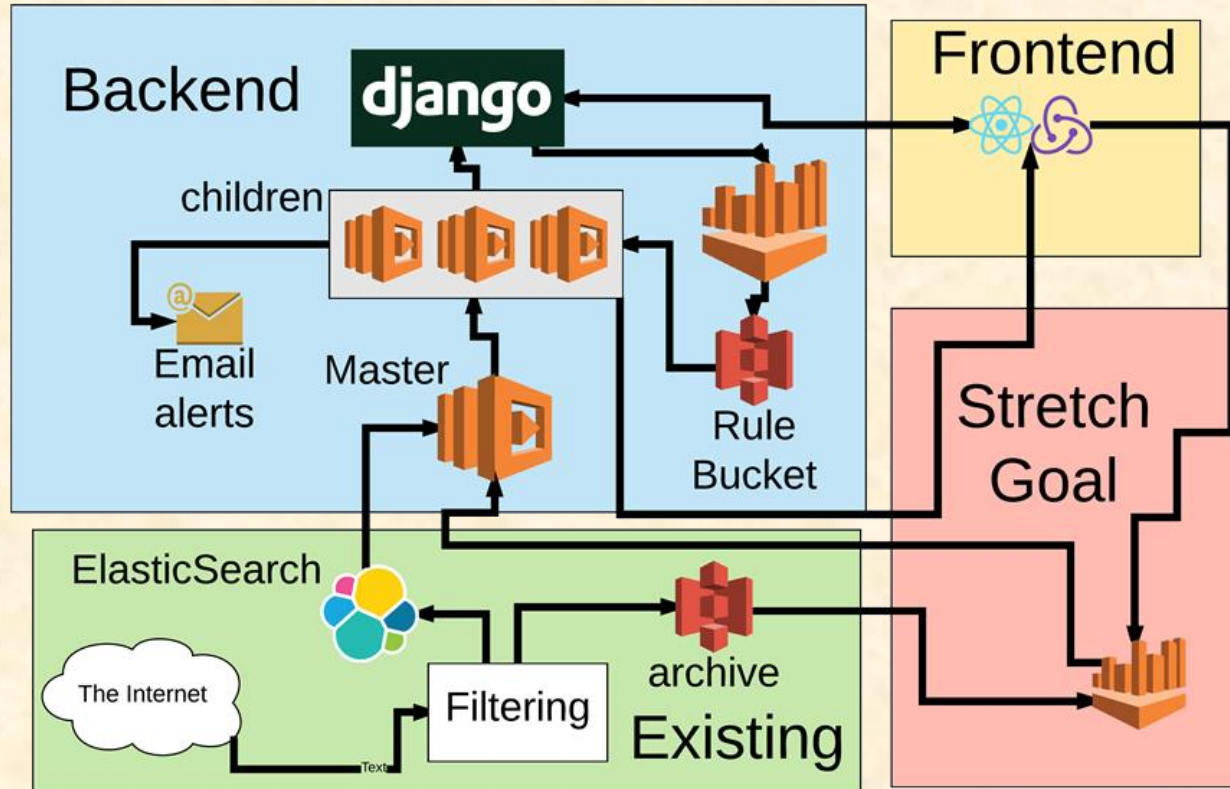
Team Rook Project Plan

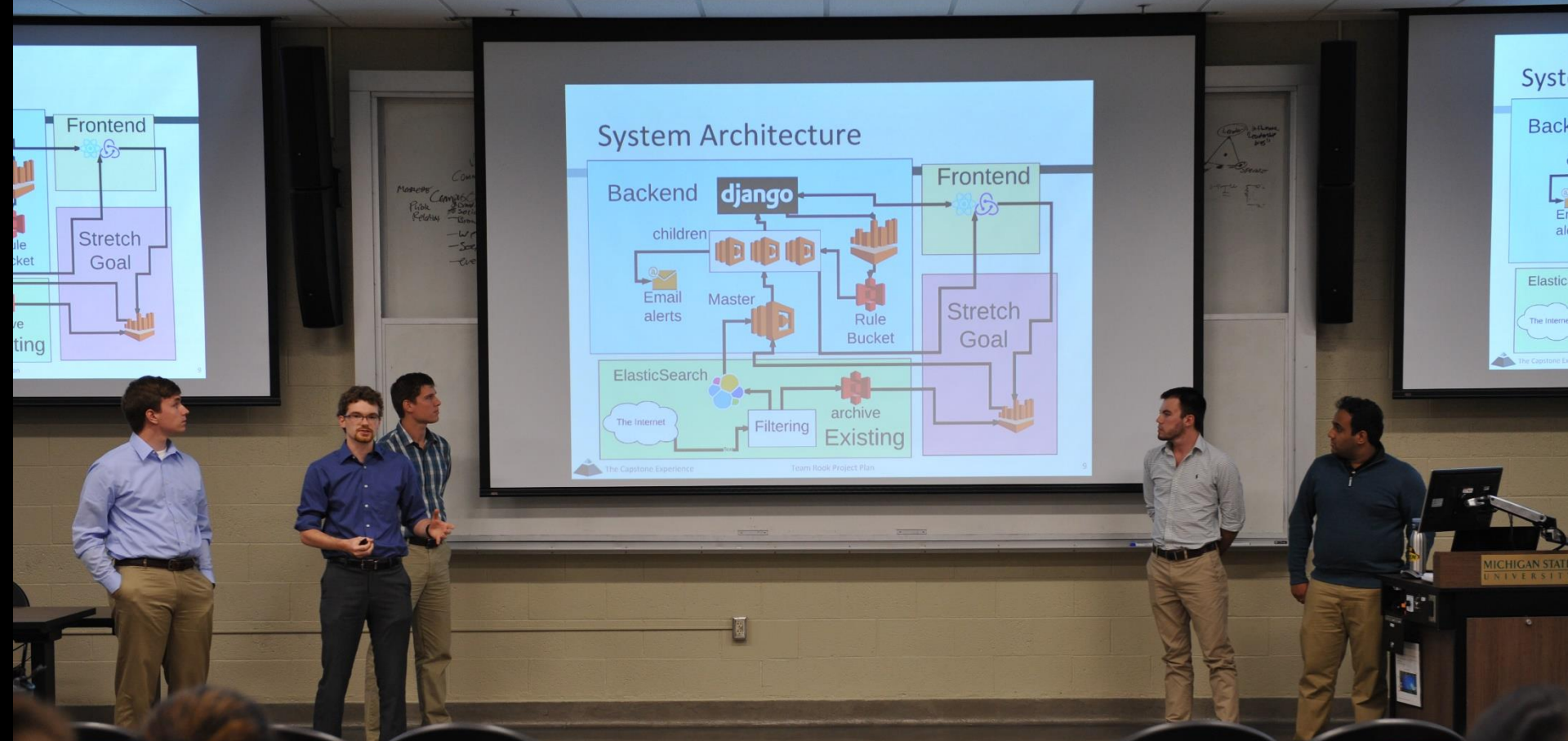
Team Rook Project Plan Presentation

Team Rook Project Plan Presentation

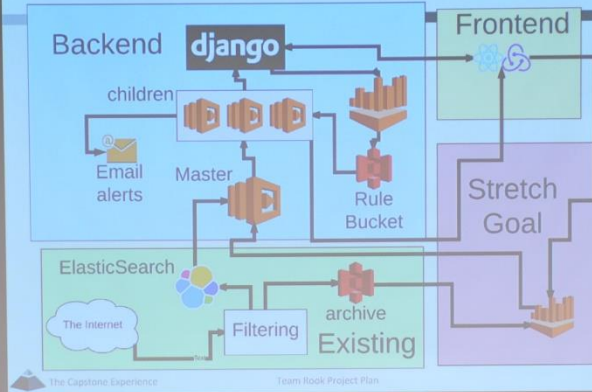
a.

Architecture Diagram





System Architecture



Team Rook Project Plan Presentation

Team Rook Project Plan Presentation

2.

Screen Mockup



Client Profile

Add Rule

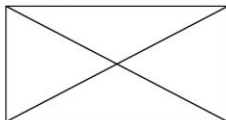
Edit Rule

Delete Rule

Current Rules For Client

<input checked="" type="checkbox"/>	▼ Rule	▼ Who To Contact	▼ Last Broke
<input checked="" type="checkbox"/>	Malicious Event	bobbyD@gmail.com	20:00DEC2016
<input checked="" type="checkbox"/>	Bad Smelling Packet	support@rook.com	14:30NOV207
<input checked="" type="checkbox"/>	Too many Requests	stan@theman.com	22:30APR22

Client Contacts





Team Rook Alpha Presentation

Team Rook Alpha Presentation

2.

User Interface – Client Profile View

CUSTOMER SETTINGS

Customer Name:
Example Inc.

Email:
contact@example.org

Index Date Format:
YYY:MM:DD

Local DB Name:
local.db

Whitelist by IP or domain

Add

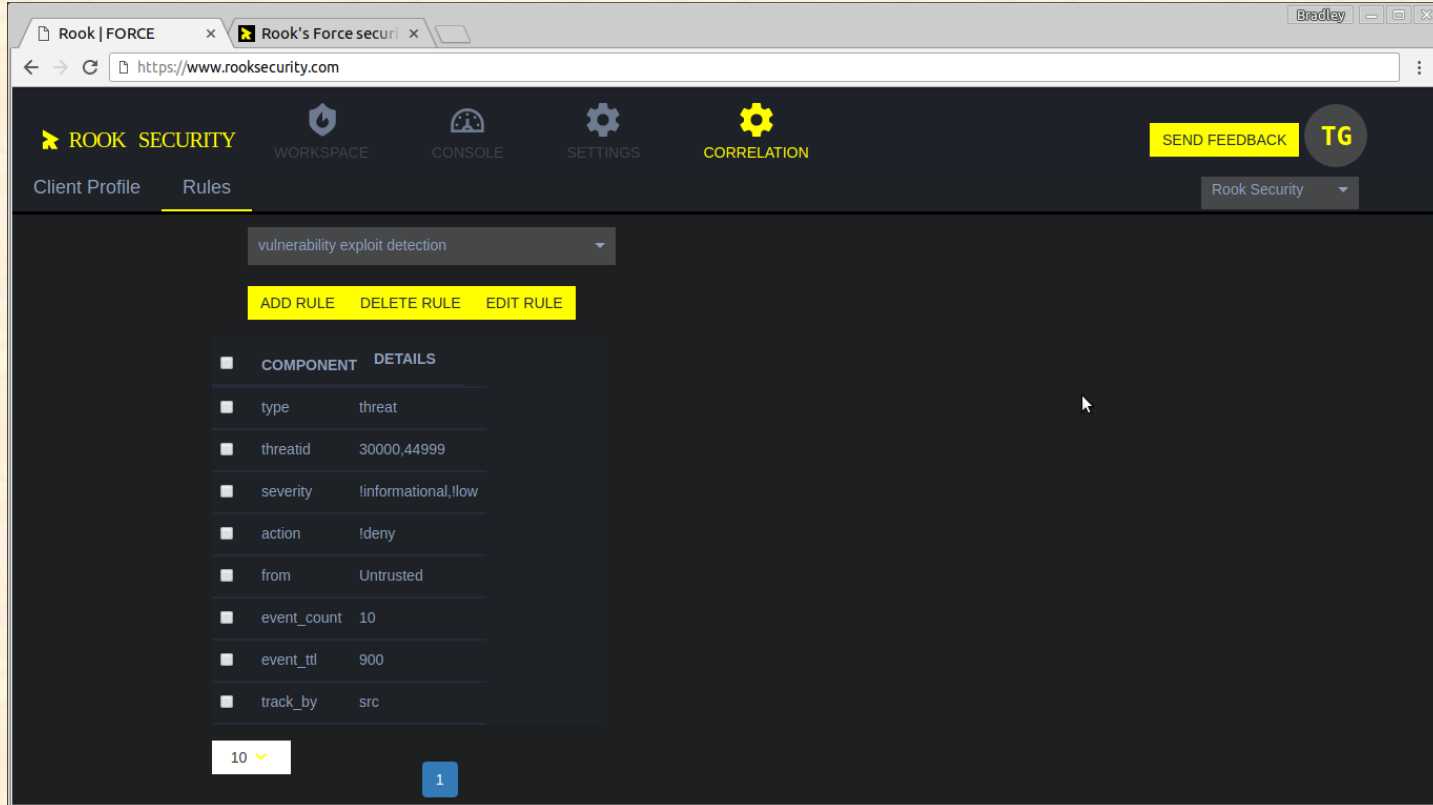
- notathreat.org Remove
- 11.22.33.44 Remove

CANCEL SAVE CHANGES



Team Rook Alpha Presentation

User Interface – Rule View



The screenshot displays the Rook Security web application interface. The browser window shows the URL `https://www.rooksecurity.com`. The navigation bar includes the Rook Security logo, tabs for WORKSPACE, CONSOLE, SETTINGS, and CORRELATION (which is active), a SEND FEEDBACK button, and a user profile icon labeled TG. Below the navigation bar, the 'Rules' tab is selected under the 'Client Profile' section. A dropdown menu shows 'vulnerability exploit detection'. Below this, there are buttons for ADD RULE, DELETE RULE, and EDIT RULE. A table displays the details of the selected rule:

COMPONENT DETAILS	
type	threat
threatid	30000,44999
severity	!informational,!low
action	!deny
from	Untrusted
event_count	10
event_ttl	900
track_by	src

At the bottom left, there is a pagination control showing '10' and a dropdown arrow. At the bottom right, there is a blue button labeled '1'.

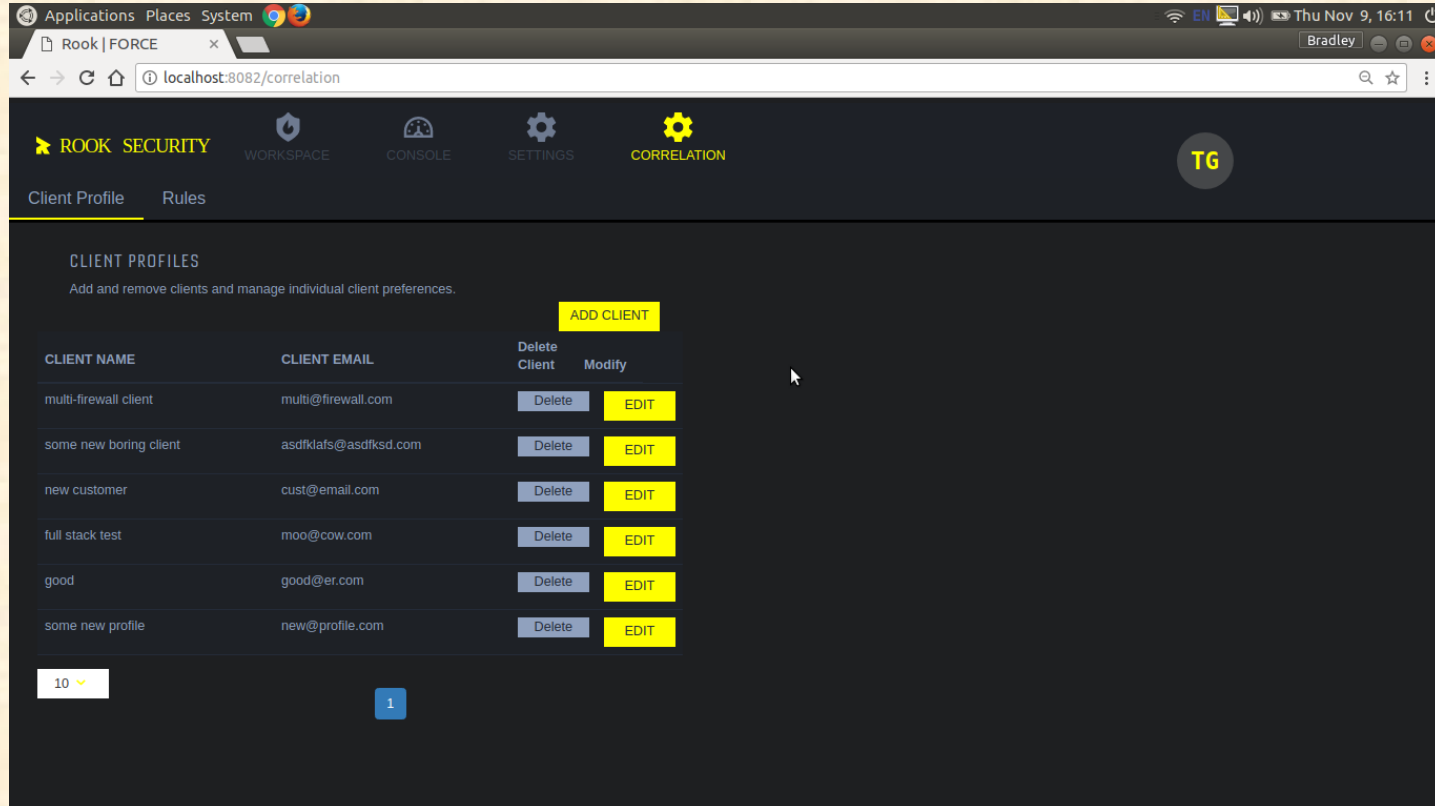


Team Rook Alpha Presentation

Team Rook Alpha Presentation

2.

Client Profile Page



The screenshot shows a web browser window with the Rook Security interface. The browser's address bar shows 'localhost:8082/correlation'. The interface has a dark theme with a top navigation bar containing icons for WORKSPACE, CONSOLE, SETTINGS, and CORRELATION (which is active). A user profile icon 'TG' is in the top right. Below the navigation bar, there are tabs for 'Client Profile' (selected) and 'Rules'. The main content area is titled 'CLIENT PROFILES' with a subtitle 'Add and remove clients and manage individual client preferences.' and an 'ADD CLIENT' button. A table lists client profiles with columns for 'CLIENT NAME', 'CLIENT EMAIL', and actions 'Delete' and 'Modify'.

CLIENT NAME	CLIENT EMAIL	Delete Client	Modify
multi-firewall client	multi@firewall.com	Delete	EDIT
some new boring client	asdkdafs@asdkd.com	Delete	EDIT
new customer	cust@email.com	Delete	EDIT
full stack test	moo@cow.com	Delete	EDIT
good	good@er.com	Delete	EDIT
some new profile	new@profile.com	Delete	EDIT

At the bottom left, there is a pagination control showing '10' and a dropdown arrow. At the bottom center, there is a blue button with the number '1'.





Team Rook Beta Presentation

Team Rook Beta Presentation

2.

Add/Edit Client Modal

CUSTOMER SETTINGS

Customer Name:

Example Client

Customer Full Name:

Example Client Full Name

Email:

example@client.com

Incidents Index:

index

Index Date Format:

mm/dd/yyyy

Local DB Name:

localhost

Whitelist by IP or domain

Add

• google.com Remove

• 192.168.1.1 Remove

Meraki

☐ Client Name

☐ Connections to Known Bad URI

☐ OS Exploit attempt



Team Rook Beta Presentation

a.

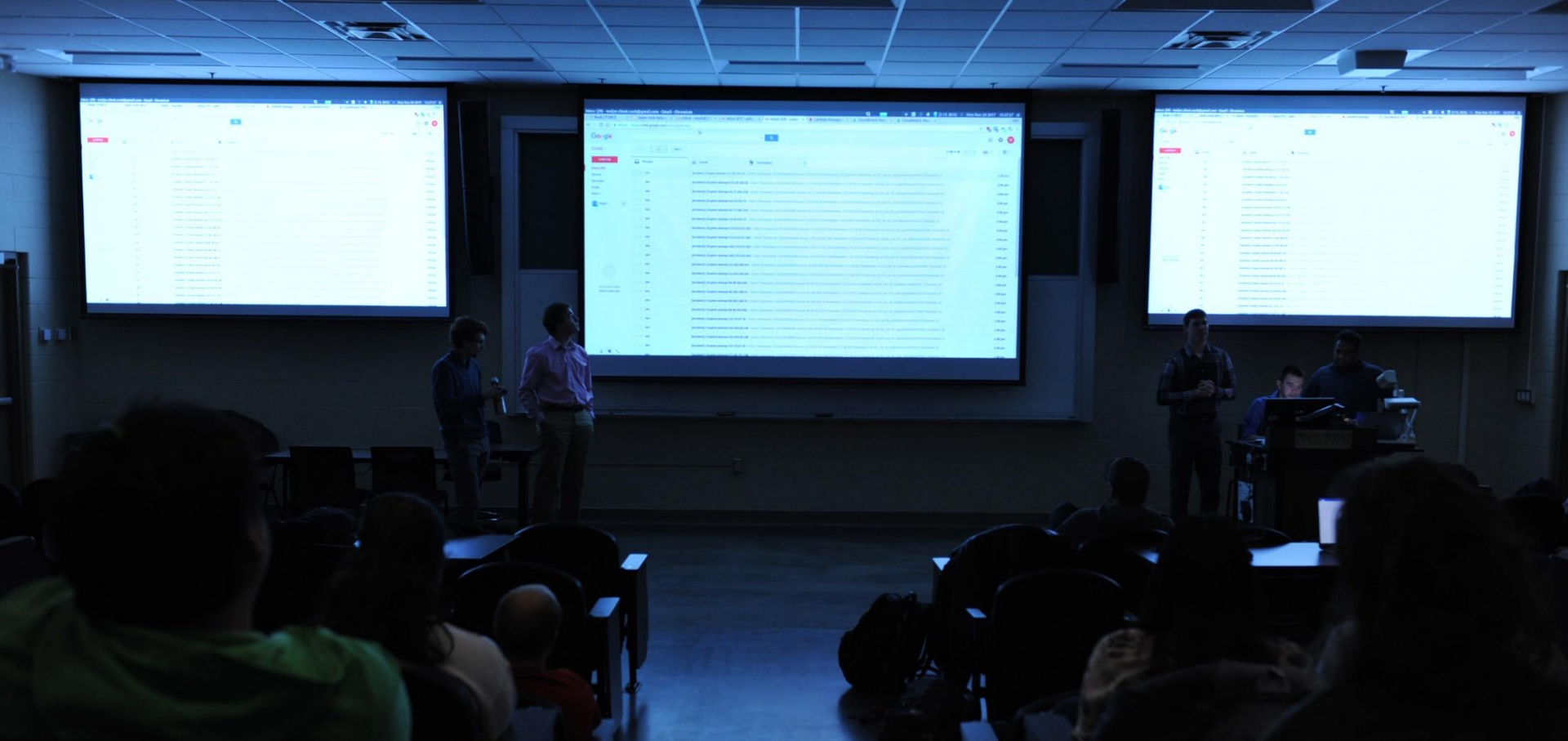
Rules Page

The screenshot shows a web browser window with the address bar displaying 'localhost:8082/correlation'. The browser's top bar includes 'Applications Places System' and a clock showing 'Thu Nov 9, 16:11'. The user's name 'Bradley' is visible in the top right corner. The Rook Security interface has a dark theme with a navigation bar at the top containing icons for 'ROOK SECURITY', 'WORKSPACE', 'CONSOLE', 'SETTINGS', and 'CORRELATION'. A user profile icon with the initials 'TG' is on the right. Below the navigation bar, there are tabs for 'Client Profile' and 'Rules', with 'Rules' being the active tab. A dropdown menu shows 'Meraki' with an 'ADD' button below it. The main content area features a table with the following rules:

TITLE	DELETE	EDIT
Connections to Known Bad URI	DELETE	EDIT
OS Exploit attempt	DELETE	EDIT
Known-bad activity	DELETE	EDIT
Policy Violation	DELETE	EDIT
Malware Infection Detected	DELETE	EDIT

At the bottom, there is a pagination control showing '5' items and a list of page numbers '1 2 3 4 5 >'.





Team Rook Beta Presentation

Team Rook Beta Presentation

2.

Add/Edit Rule Modal

The screenshot displays the Rook Security web application interface. On the left, a sidebar shows the 'Client Profile' and 'Rules' sections. The 'Rules' section lists various rules such as 'Connections to Known Bad URI', 'OS Exploit attempt', and 'Known-bad activity'. The main area shows the 'EDIT RULE' modal for the 'Connections to Known Bad URI' rule. The modal contains the following fields:

- title**: Connections to Known Bad URI
- type**: meraki
- module**: ids-alerts
- alert_message**: BLACKLIST URI*
- direction**: egress
- event_count**: 1
- event_ttl**: 9
- track_by**: src_ip

At the bottom of the modal, there are two buttons: 'CANCEL' and 'EDIT RULE'. The background interface shows a top navigation bar with 'Applications', 'Places', and 'System' tabs, and a bottom status bar with the date 'Thu Nov 9, 16:17' and the user 'Bradley'.



Team Rook
Design Day

MICHIGAN STATE
UNIVERSITY

The Capstone Experience

Team Spectrum Health

Department of Computer Science and Engineering
Michigan State University
Fall 2017



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SPECTRUM HEALTH





FOR CLINICIANS

FOR THE MEDIA

FOR SUPPLIERS

FOR JOB SEEKERS

RESEARCH & CLINICAL TRIALS

MyHealth Log In



Search



Advanced Search



Who We Are

Patients & Visitors

Medical Services

Quality

Locations

Online Services

Health Information

Find a Doctor

One of the Best in the U.S.

We are one of the top children's hospitals for care in cancer, nephrology and urology. ▶



MyHealth

Manage your health information from a secure online account.

Enroll

Sign-in

Locations

Select Type of Location



Excellence Recognized

SEARCH COMPARE

Find a Doc

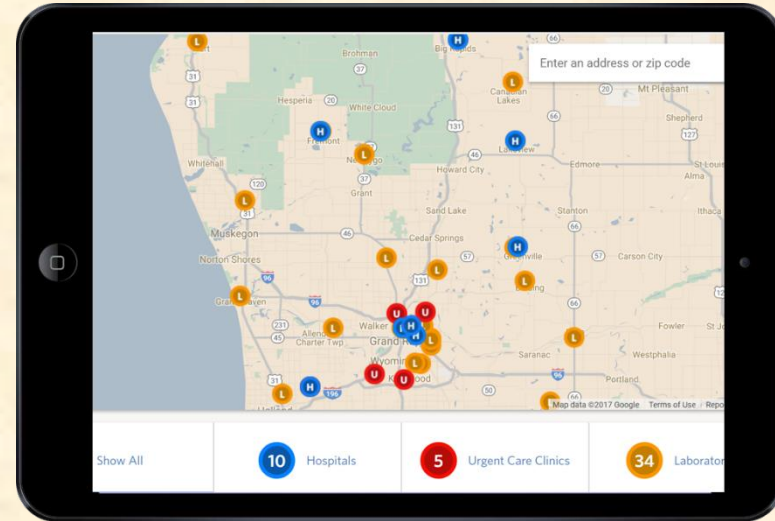


Nationally Recognized

Team Spectrum Health Project Overview

Spectrum Health Symptom Checker

- Functionalities
 - Recommend Spectrum Health Services to Patients
 - Based on Symptoms They Provide
- Features
 - Design and Build Web and Mobile Apps
 - Match Keywords with Symptoms
 - Recommend Health Service
 - eVisit
 - Urgent Care
 - Emergency Room
 - Enable Urgent Care Visit
 - Give Nearest Location
 - Reserve Place in Line
 - Leverage Machine Learning
 - Provide Administrative App
- Technologies
 - CSS / HTML / JavaScript / PHP
 - Apple iPads and iPhones (iOS) / Swift
 - Google Android Tablets and Phones / Java
 - Microsoft C# / .NET
 - Entity Framework Core
 - Microsoft SQL Server



SPECTRUM HEALTH

Grand Rapids, Michigan





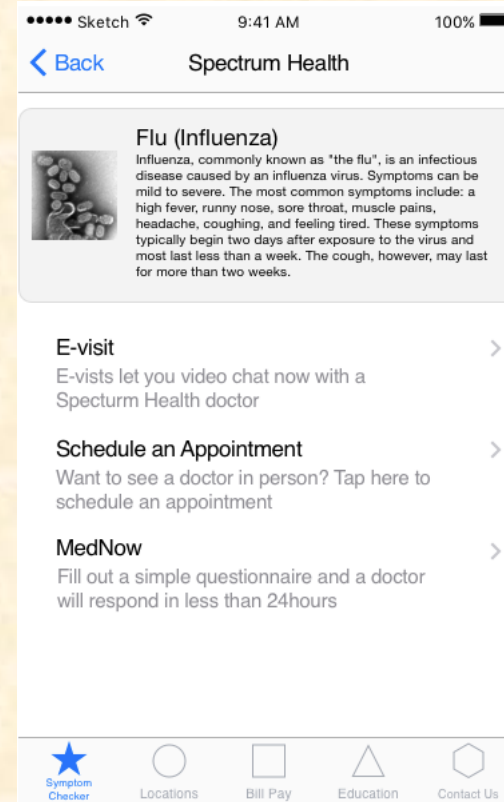
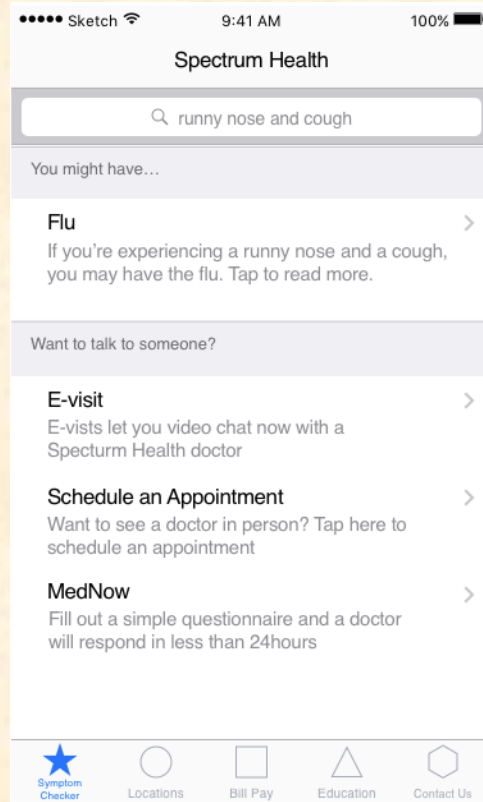
Team Spectrum Health

Silas Brumwell, Jose Hernandez, Morgan Muyskens, Josh Miles, Chris McGrath

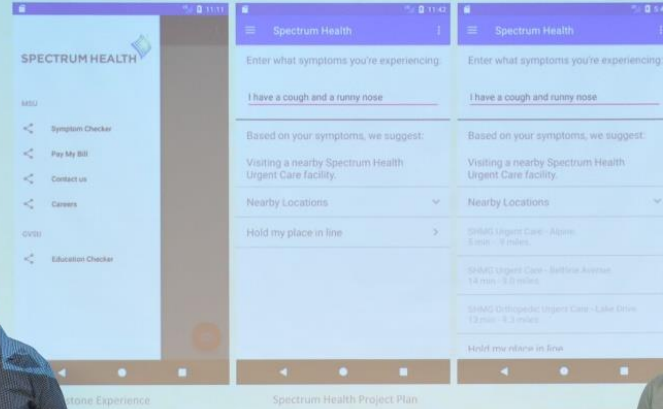
Team Spectrum Health Project Plan Presentation

2.

Screen Mockup



Screen Mockup: Android Application

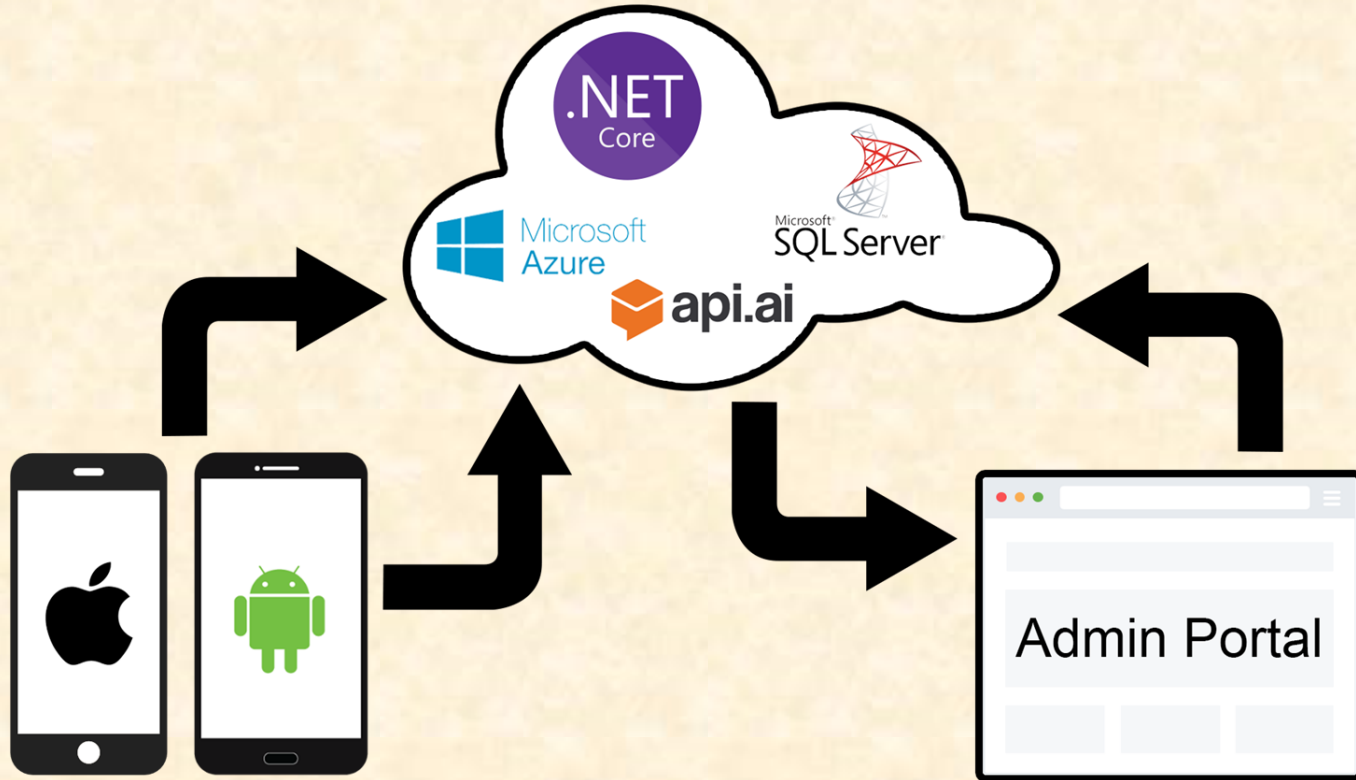


Team Spectrum Health
Project Plan Presentation

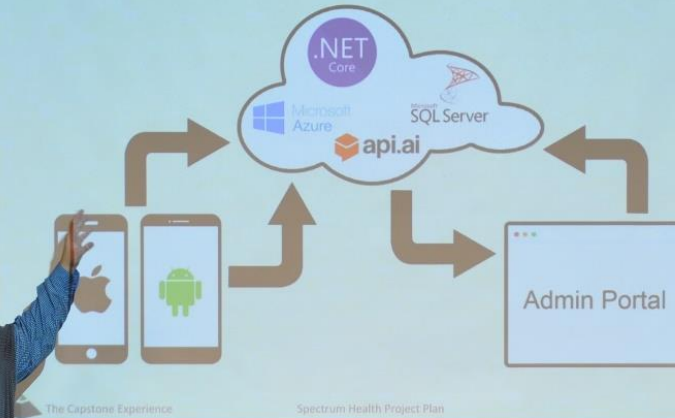
Team Spectrum Health Project Plan Presentation

a.

Architecture Diagram



System Architecture

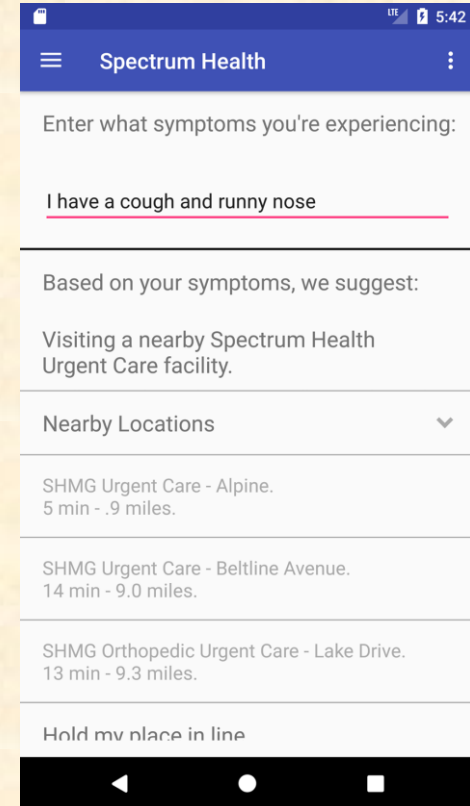
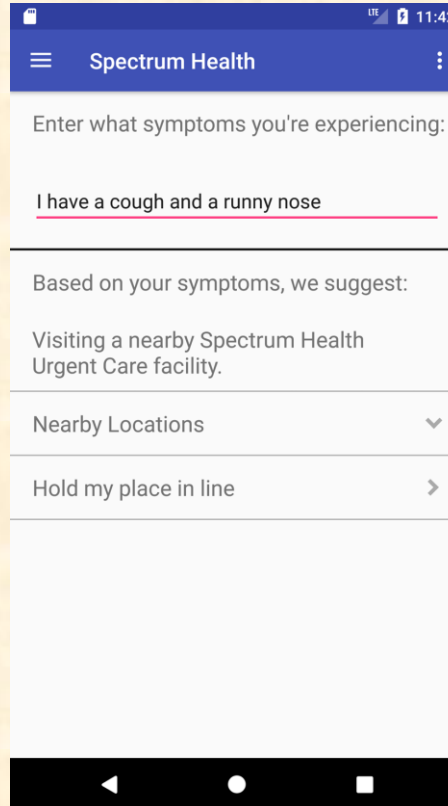
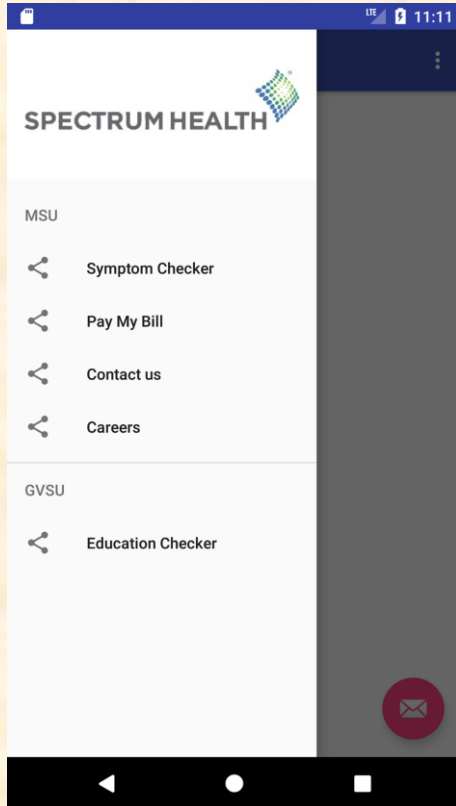


Team Spectrum Health
Project Plan Presentation

Team Spectrum Health Project Plan Presentation

2.

Screen Mockup



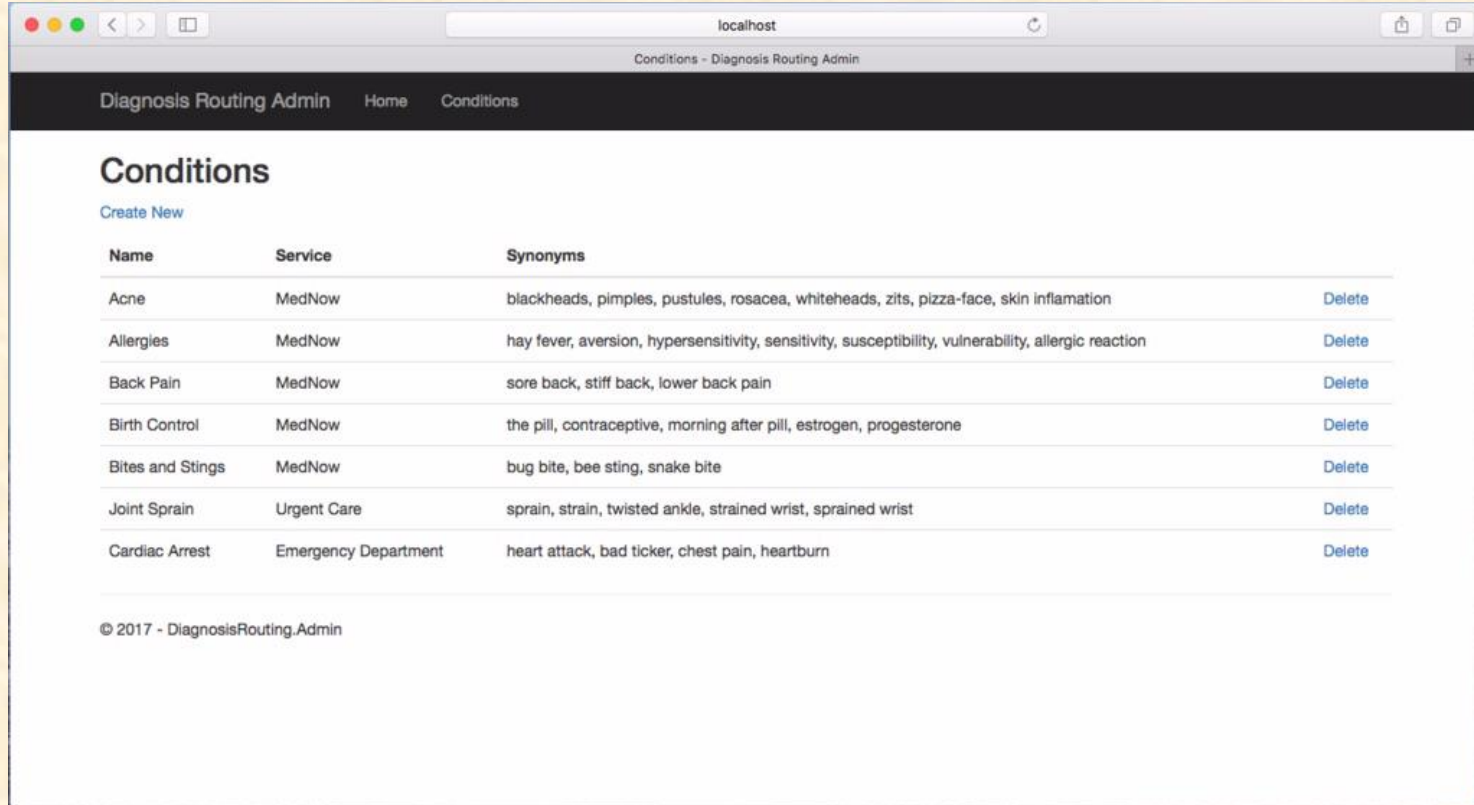


Team Spectrum Health Alpha Presentation

Team Spectrum Health Alpha Presentation

a.

Admin Portal



The screenshot shows a web browser window with the address bar set to 'localhost'. The page title is 'Conditions - Diagnosis Routing Admin'. The navigation bar includes 'Diagnosis Routing Admin', 'Home', and 'Conditions'. The main content area is titled 'Conditions' and features a 'Create New' link. Below this is a table with three columns: 'Name', 'Service', and 'Synonyms'. Each row in the table has a 'Delete' link on the right. The table lists seven conditions: Acne, Allergies, Back Pain, Birth Control, Bites and Stings, Joint Sprain, and Cardiac Arrest. The footer of the page reads '© 2017 - DiagnosisRouting.Admin'.

Name	Service	Synonyms	
Acne	MedNow	blackheads, pimples, pustules, rosacea, whiteheads, zits, pizza-face, skin inflammation	Delete
Allergies	MedNow	hay fever, aversion, hypersensitivity, sensitivity, susceptibility, vulnerability, allergic reaction	Delete
Back Pain	MedNow	sore back, stiff back, lower back pain	Delete
Birth Control	MedNow	the pill, contraceptive, morning after pill, estrogen, progesterone	Delete
Bites and Stings	MedNow	bug bite, bee sting, snake bite	Delete
Joint Sprain	Urgent Care	sprain, strain, twisted ankle, strained wrist, sprained wrist	Delete
Cardiac Arrest	Emergency Department	heart attack, bad ticker, chest pain, heartburn	Delete

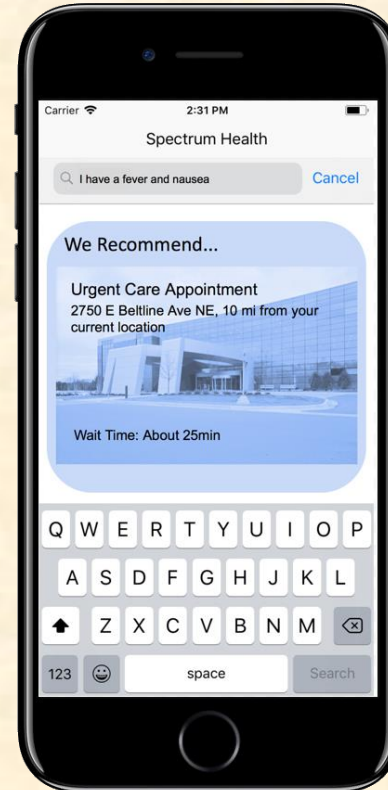
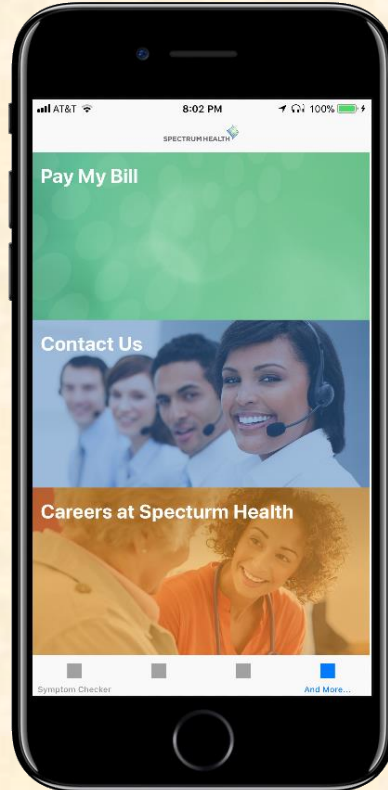
© 2017 - DiagnosisRouting.Admin



Team Spectrum Health Alpha Presentation

a.

iPhone App



The Capstone Experience



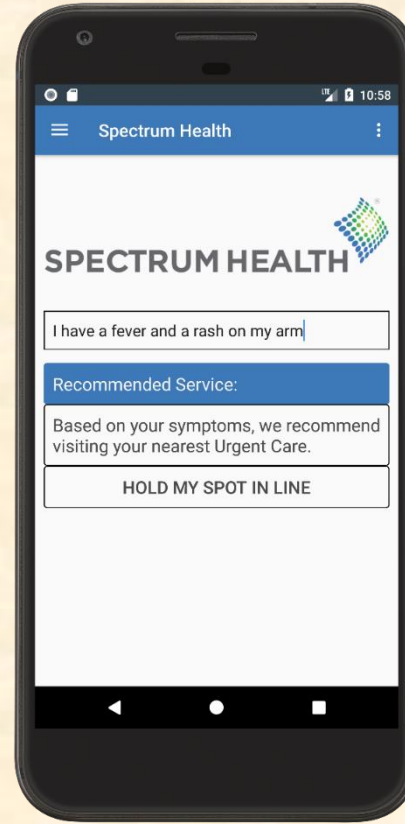
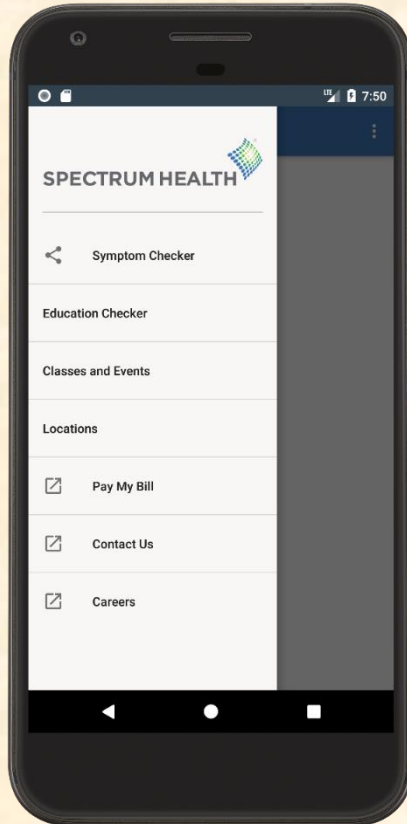


Team Spectrum Health Alpha Presentation

Team Spectrum Health Alpha Presentation

2.

Android Application



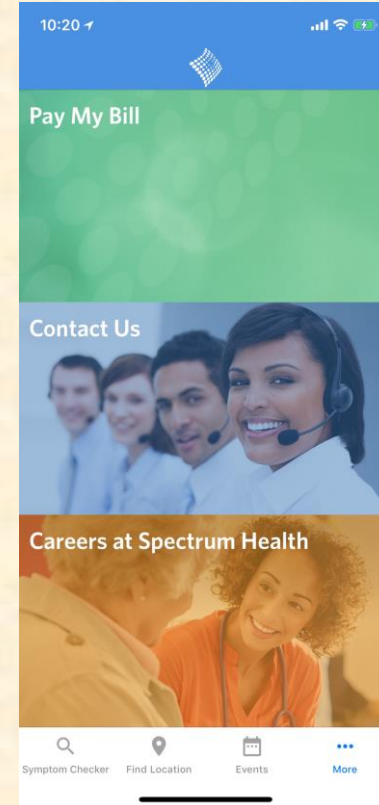
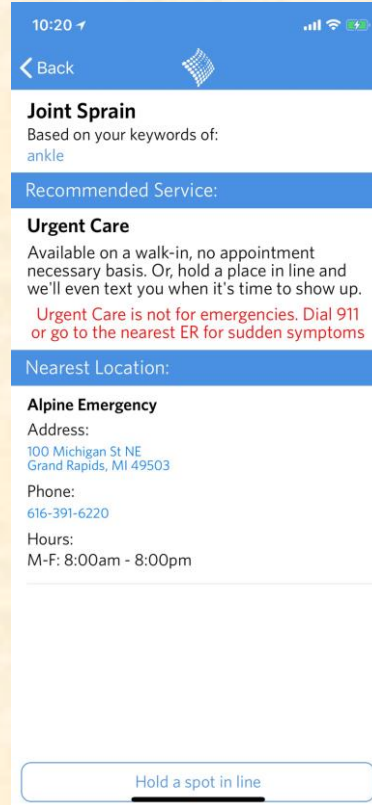
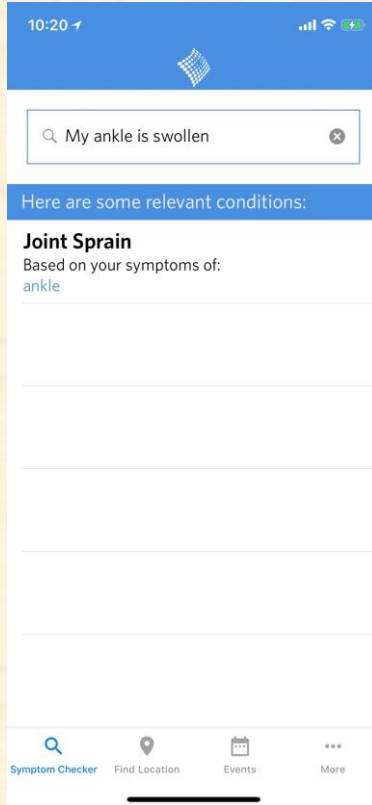


Team Spectrum Health Beta Presentation

Team Spectrum Health Beta Presentation

2.

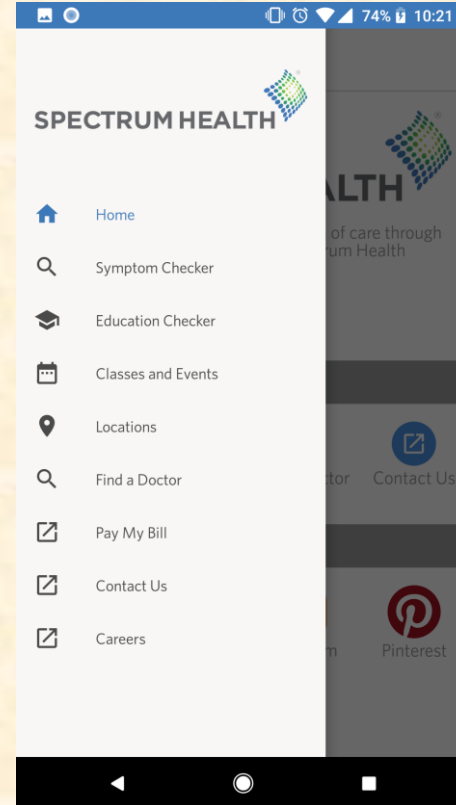
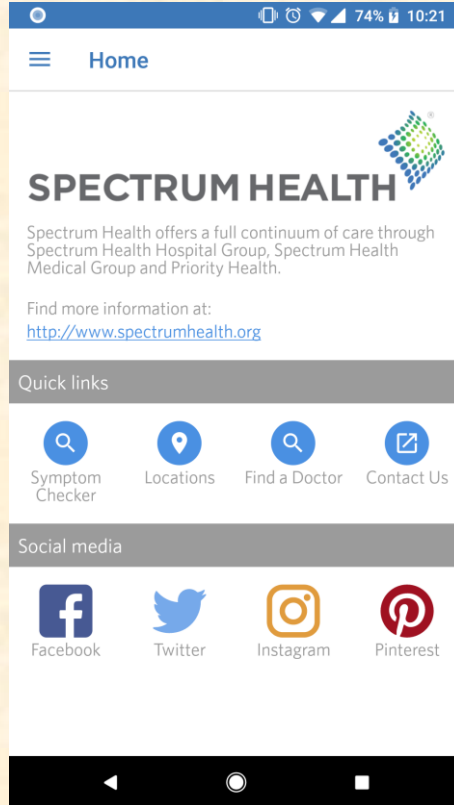
iOS Application



Team Spectrum Health Beta Presentation

2.

Android Application





Team Spectrum Health Beta Presentation

Team Spectrum Health Beta Presentation

2.

Admin Portal – View Conditions

Diagnosis Routing Admin			
Home Conditions			
Conditions			
Create New			
Name	Service	Synonyms	
Allergies	MedNow	hay fever, aversion, hypersensitivity, sensitivity, susceptibility, vulnerability, allergic reaction	Edit Delete
Back Pain	MedNow	sore back, stiff back, lower back pain	Edit Delete
Birth Control	MedNow	the pill, contraceptive, morning after pill, estrogen, progesterone	Edit Delete
Bites and Stings	MedNow	bug bite, bee sting, snake bite	Edit Delete
Cardiac Arrest	Emergency Department	heart attack, bad ticker, chest pain, heartburn	Edit Delete
Acne	MedNow	blackheads, pimples, pustules, rosacea, whiteheads, zits, pizza-face, skin inflammation	Edit Delete
Joint Sprain	Urgent Care	sprain, strain, twisted ankle, strained wrist, sprained wrist	Edit Delete
Alcohol Problem	Emergency Department	severe diarrhea	Edit Delete
© 2017 - DiagnosisRouting.Admin			



Team Spectrum Health
Design Day

MICHIGAN STATE
UNIVERSITY

The Capstone Experience

Team Symantec

Department of Computer Science and Engineering
Michigan State University
Fall 2017



*From Students...
...to Professionals*



Symantec



Call 1-888-821-1799

Eliminate the Password

Improve ease of use without sacrificing security




Single sign-on with
strong authentication


Identity-based
Access Control


User
Directory

[Request a Call](#)

Symantec gives you deep visibility and a single point of control for accessing data through a comprehensive solution that provides advanced information protection.

Passwordless Authentication

For network, online, or mobile apps

Extend Passwordless Authentication

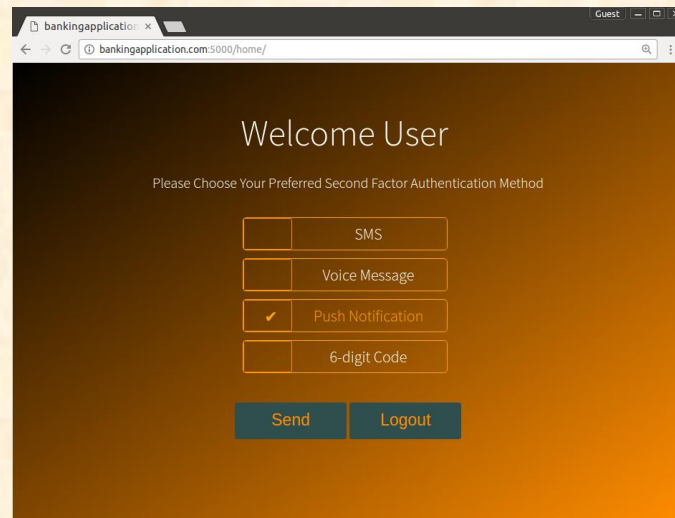
To all cloud-based apps

Team Symantec

Project Overview

Secure Application Layer API Proxy

- Functionalities
 - Provide RESTful API to Symantec's Multi-Factor System VIP
 - Via a Proxy Layer in Front of Native SOAP Layer
 - So Any RESTful Framework Can Integrate with VIP
- Features
 - Focus on User Centric Services
 - Management APIs
 - Authentication APIs
 - Query APIs
 - Preserve Parity Between SOAP and REST APIs
 - Implement a Versioning Scheme
 - Include "Jurisdiction Hash" (JHASH) as Path Parameter
 - Deliver Integration Tests
- Technologies
 - Symantec VIP and VIP Access Manager.
 - Simple Object Access Protocol (SOAP) Web Services
 - Representational State Transfer (REST) Web Services
 - StrongLoop / Node.js





Team Symantec

Steven Kneiser, Yili Luo, Jacob Carl, Lauren Allswede, TJ Kelly

Team Symantec Project Plan Presentation

2.




Screen Mockup

Web Browser


← → ↻ <https://supersecurelogin.com/login>

Team Symantec Login

Enter VIP Two-Factor Code

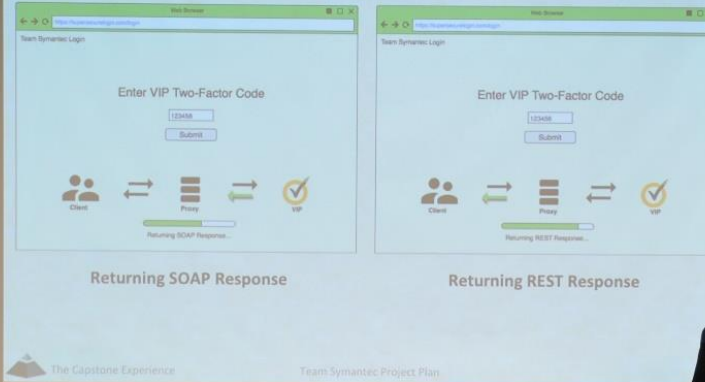
Client Proxy VIP



Authenticating...



Screen Mockup: Converting SOAP to REST

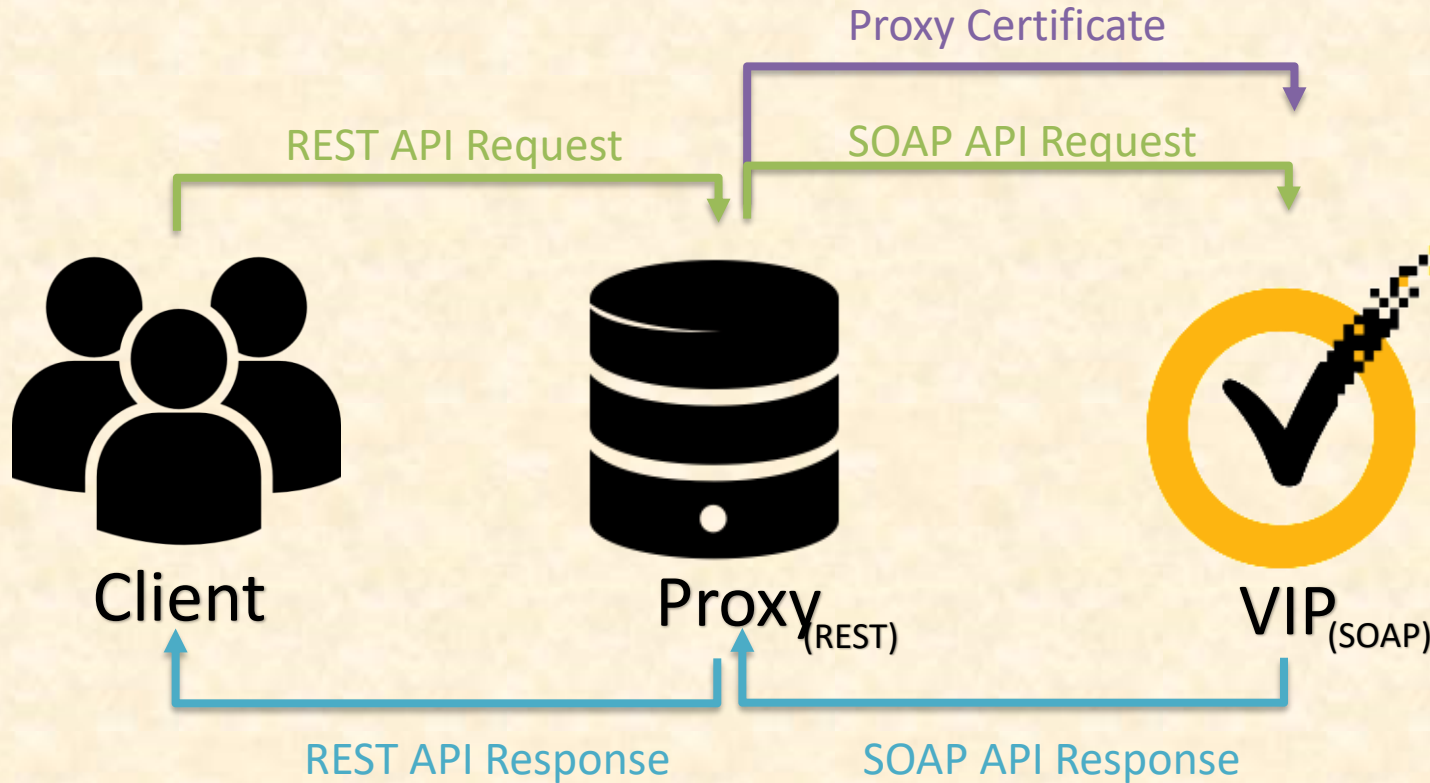


Team Symantec Project Plan Presentation

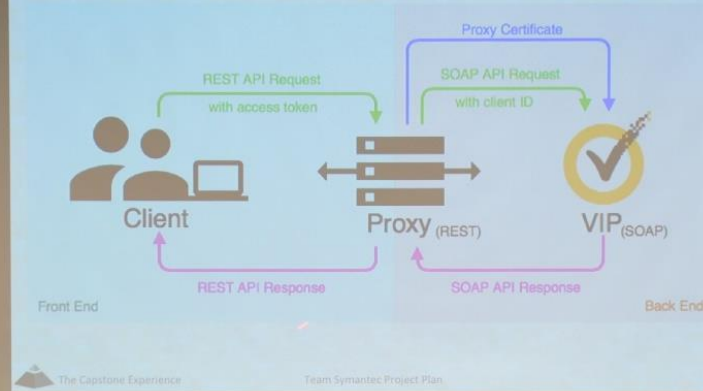
Team Symantec Project Plan Presentation

a.

Architecture Diagram



System Architecture

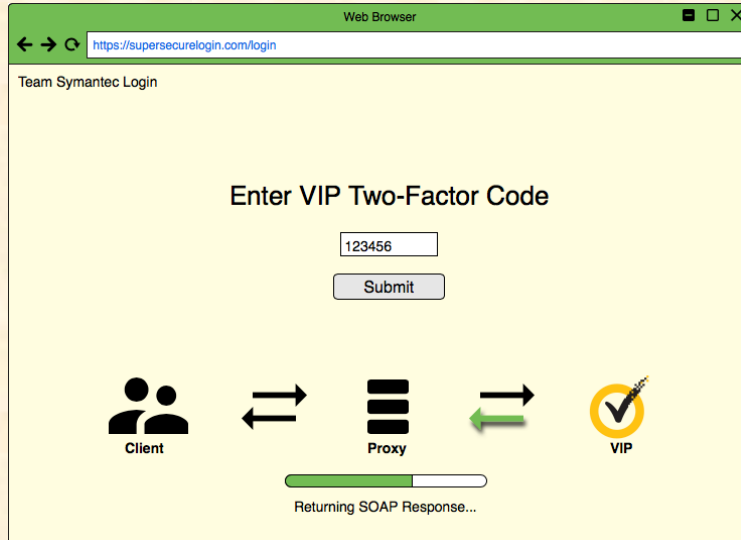


Team Symantec
Project Plan Presentation

Team Symantec Project Plan Presentation

2.

Screen Mockup



Web Browser

https://supersecurelogin.com/login

Team Symantec Login

Enter VIP Two-Factor Code

123456

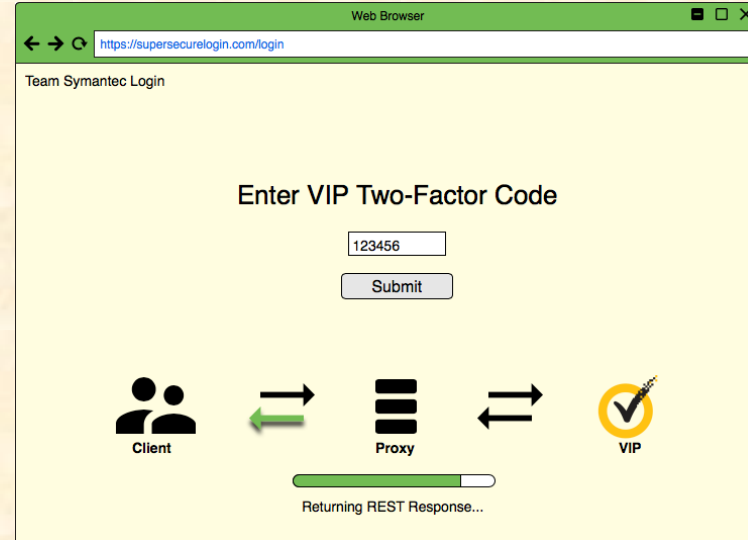
Submit

Client Proxy VIP

Returning SOAP Response...

The mockup shows a web browser window with the URL 'https://supersecurelogin.com/login'. The page title is 'Team Symantec Login'. The main heading is 'Enter VIP Two-Factor Code'. Below this is a text input field containing '123456' and a 'Submit' button. At the bottom, there is a diagram showing a 'Client' (person icon) connected to a 'Proxy' (server rack icon) with a double-headed arrow, and the 'Proxy' connected to a 'VIP' (checkmark icon) with a single-headed arrow. A green progress bar is partially filled, and the text 'Returning SOAP Response...' is displayed below it.

Returning SOAP Response



Web Browser

https://supersecurelogin.com/login

Team Symantec Login

Enter VIP Two-Factor Code

123456

Submit

Client Proxy VIP

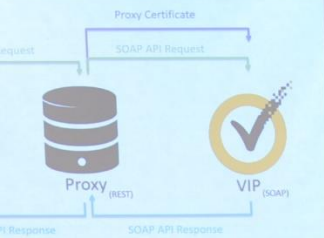
Returning REST Response...

The mockup shows a web browser window with the URL 'https://supersecurelogin.com/login'. The page title is 'Team Symantec Login'. The main heading is 'Enter VIP Two-Factor Code'. Below this is a text input field containing '123456' and a 'Submit' button. At the bottom, there is a diagram showing a 'Client' (person icon) connected to a 'Proxy' (server rack icon) with a double-headed arrow, and the 'Proxy' connected to a 'VIP' (checkmark icon) with a single-headed arrow. A green progress bar is partially filled, and the text 'Returning REST Response...' is displayed below it.

Returning REST Response

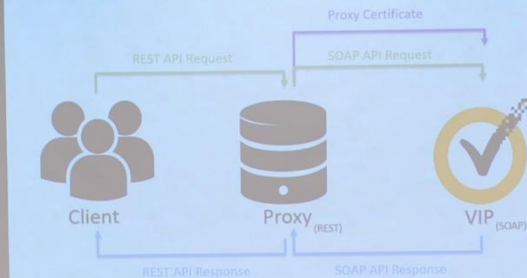


hitecture



Team Symantec Alpha Presentation

System Architecture



The Capstone Experience

Team Symantec Alpha Presentation

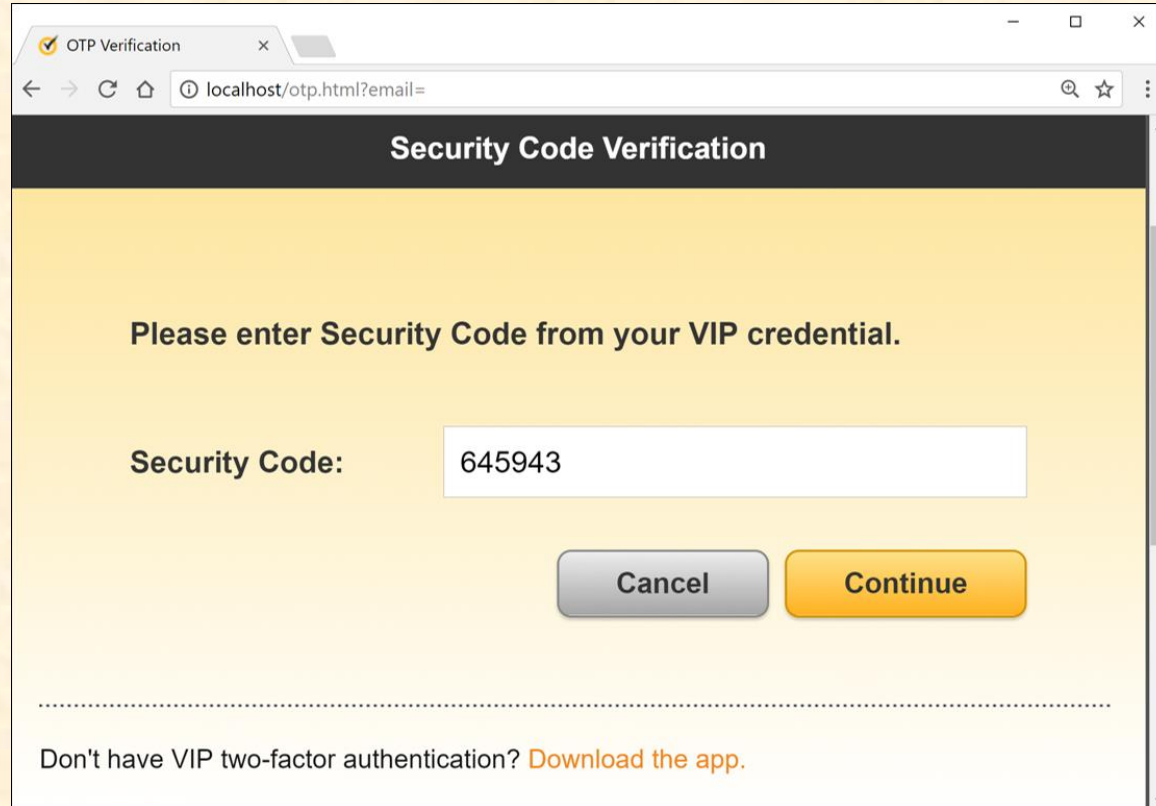
System Arch



Team Symantec
Alpha Presentation

Team Symantec Alpha Presentation

Entering One-Time Password (OTP)



OTP Verification

localhost/otp.html?email=

Security Code Verification

Please enter Security Code from your VIP credential.

Security Code:

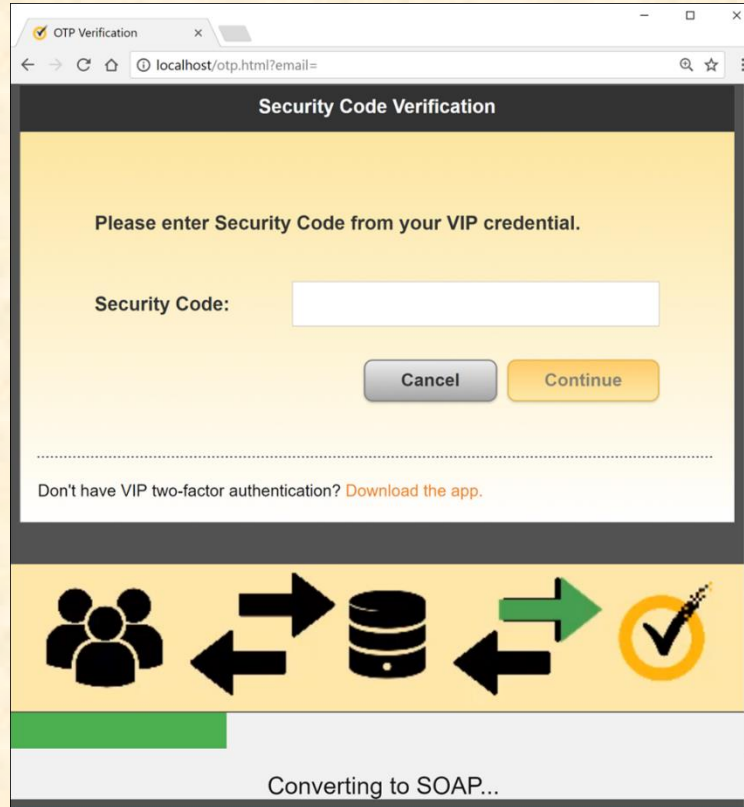
Don't have VIP two-factor authentication? [Download the app.](#)

Team Symantec

Alpha Presentation

2.

Translation Process



OTP Verification


localhost/otp.html?email=

Security Code Verification

Please enter Security Code from your VIP credential.

Security Code:

Don't have VIP two-factor authentication? [Download the app.](#)



Converting to SOAP...

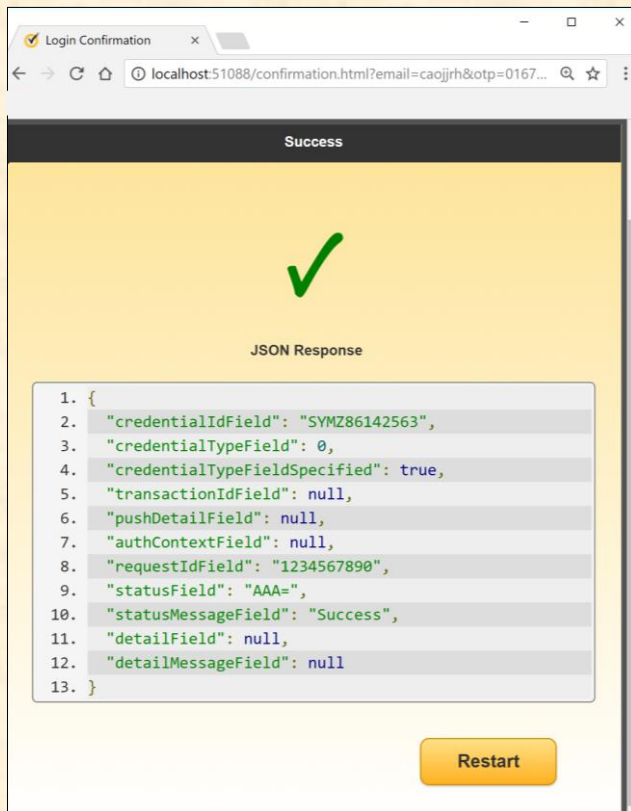


Team Symantec Alpha Presentation

Team Symantec Alpha Presentation

2.

Final JSON Body



The screenshot shows a web browser window with the title 'Login Confirmation'. The address bar displays 'localhost:51088/confirmation.html?email=caojrh&otp=0167...'. The page content features a dark header with the word 'Success', a large green checkmark on a yellow background, and the text 'JSON Response'. Below this, a code block contains a JSON object with the following fields: 'credentialIdField', 'credentialTypeField', 'credentialTypeFieldSpecified', 'transactionIdField', 'pushDetailField', 'authContextField', 'requestIdField', 'statusField', 'statusMessageField', 'detailField', and 'detailMessageField'. A 'Restart' button is located at the bottom right of the page.

Success

JSON Response

```
1. {  
2.   "credentialIdField": "SYMZ86142563",  
3.   "credentialTypeField": 0,  
4.   "credentialTypeFieldSpecified": true,  
5.   "transactionIdField": null,  
6.   "pushDetailField": null,  
7.   "authContextField": null,  
8.   "requestIdField": "1234567890",  
9.   "statusField": "AAA=",  
10.  "statusMessageField": "Success",  
11.  "detailField": null,  
12.  "detailMessageField": null  
13. }
```

Restart



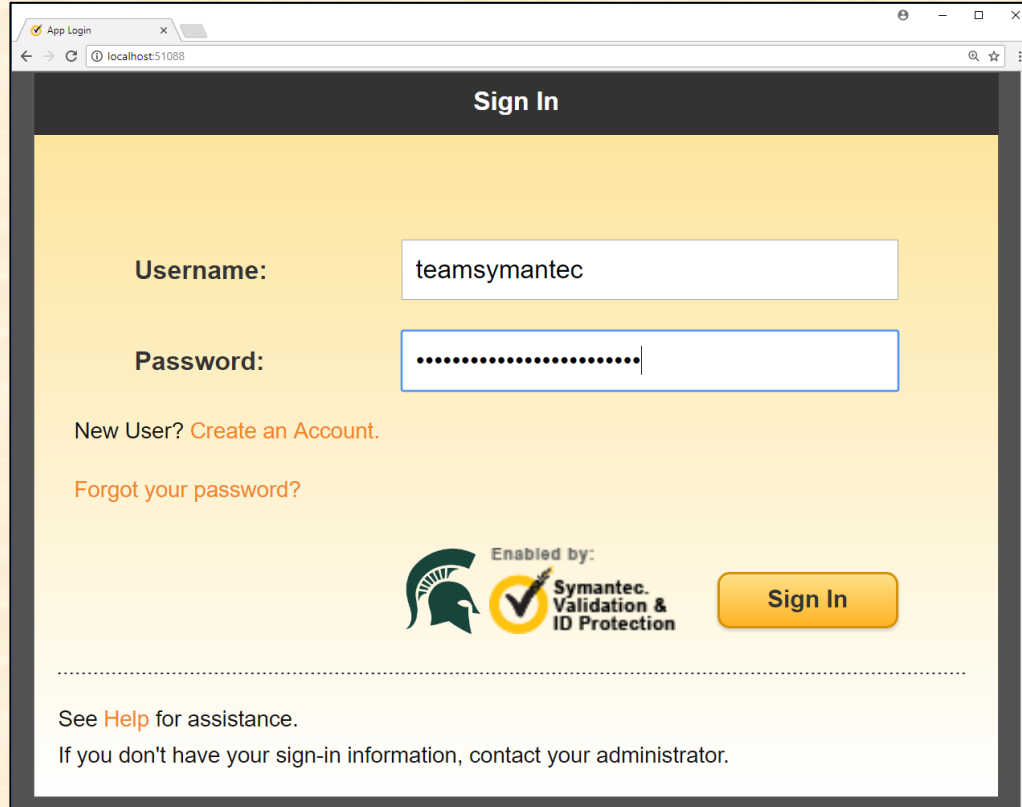


Team Symantec Beta Presentation

Team Symantec Beta Presentation

2.

Login Screen



The screenshot shows a web browser window with the title 'App Login' and the address bar displaying 'localhost:51088'. The main content area has a dark header with the text 'Sign In'. Below the header, the background is a light yellow. There are two input fields: 'Username:' with the value 'teamsymantec' and 'Password:' with masked characters. Below the password field, there are two links: 'New User? Create an Account.' and 'Forgot your password?'. At the bottom, there is a logo for 'Symantec Validation & ID Protection' featuring a green helmet and a yellow checkmark, and a yellow 'Sign In' button. A dashed line separates this section from the footer, which contains the text 'See Help for assistance.' and 'If you don't have your sign-in information, contact your administrator.'

App Login

localhost:51088


Sign In

Username: teamsymantec

Password:

New User? [Create an Account.](#)

[Forgot your password?](#)

Enabled by:
 Symantec Validation & ID Protection

Sign In

See [Help](#) for assistance.

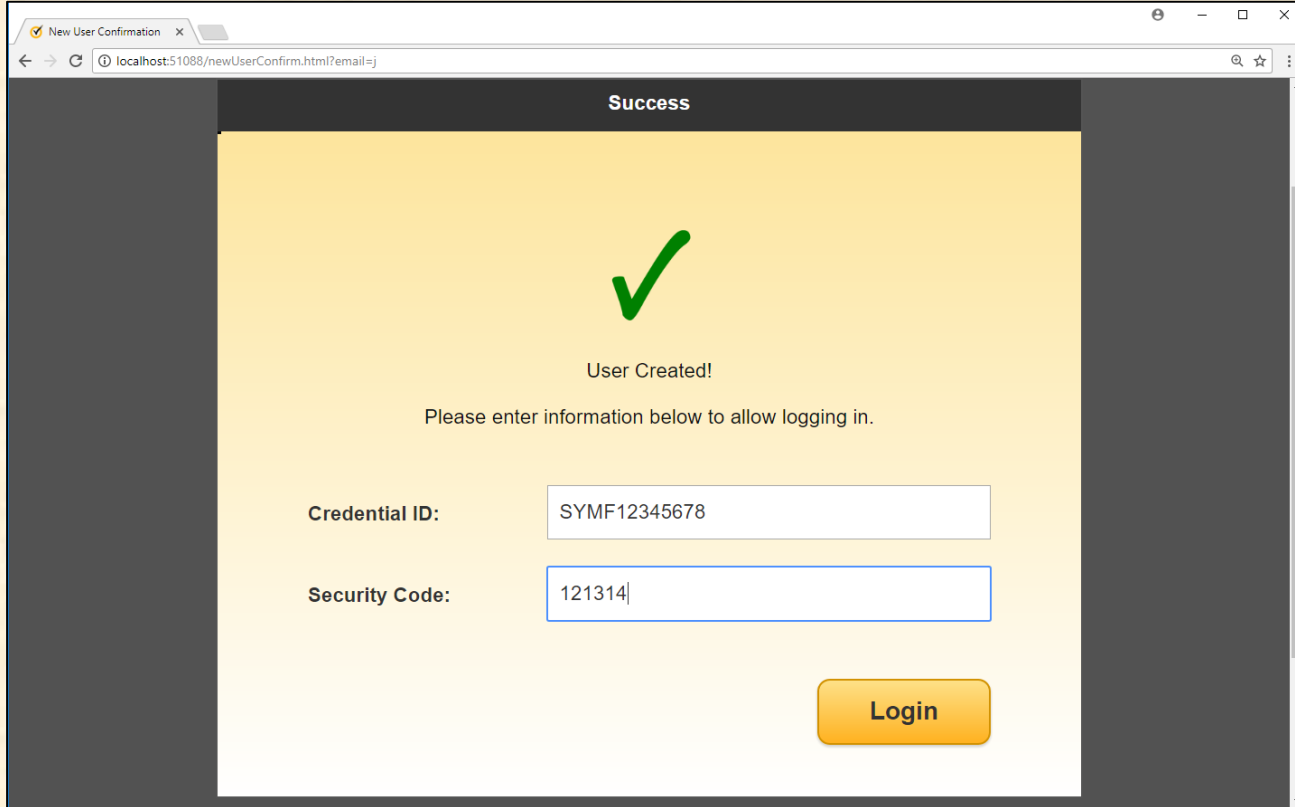
If you don't have your sign-in information, contact your administrator.



Team Symantec Beta Presentation

2.

Add Credentials Page



The screenshot shows a web browser window with a single tab titled 'New User Confirmation'. The address bar displays 'localhost:51088/newUserConfirm.html?email=j'. The page content is centered on a light yellow background with a dark grey header and footer. The header contains the word 'Success' in white. Below it is a large green checkmark. The text 'User Created!' is displayed, followed by the instruction 'Please enter information below to allow logging in.' There are two input fields: 'Credential ID:' with the value 'SYMF12345678' and 'Security Code:' with the value '121314'. A yellow 'Login' button is positioned at the bottom right of the form area.

Success

✓

User Created!

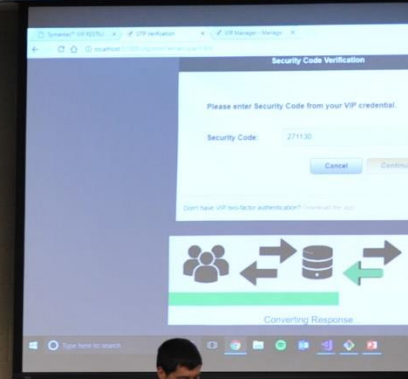
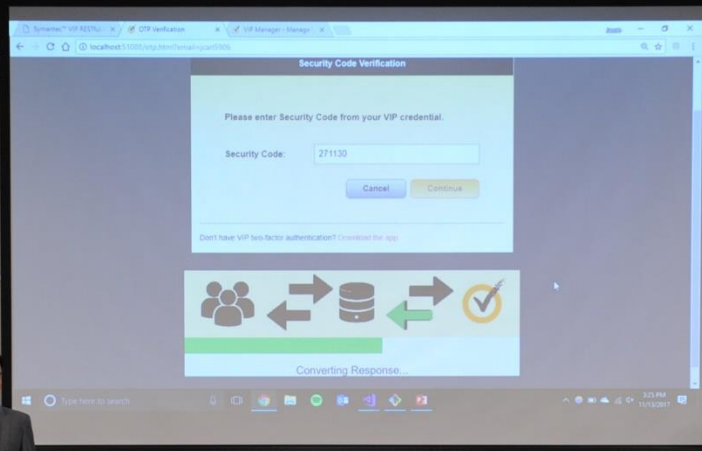
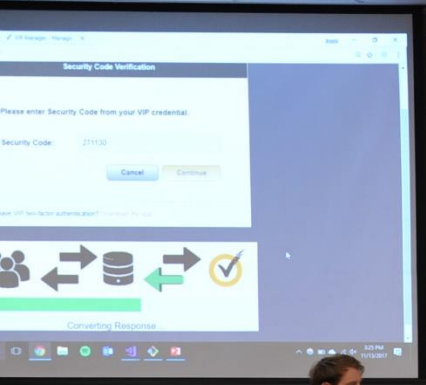
Please enter information below to allow logging in.

Credential ID: SYMF12345678

Security Code: 121314

Login





Team Symantec Beta Presentation

Team Symantec Beta Presentation

2.

Translation Process

OTP Verification

localhost/otp.html?

Security Code Verification

Please enter Security Code from your VIP credential.

Security Code: 645943

Cancel Continue

Don't have VIP two-factor authentication? [Download the app.](#)

Converting Response...



Team Symantec
Design Day

MICHIGAN STATE
UNIVERSITY

The Capstone Experience

Team TechSmith

Department of Computer Science and Engineering
Michigan State University
Fall 2017



*From Students...
...to Professionals*





Camtasia takes you from screen recording to finished video

Camtasia lets you record a video of what's on your computer screen. Use it to make lessons, tutorials, or product demos. Turn your screen recordings into compelling videos with Camtasia's video editing tools, animations, and effects.

Team TechSmith Project Overview

TechSmith Director

- Functionalities
 - Explore Creating Video Scenes
 - With a User Friendly Voice Input Interface
 - Using Newer Cloud-Bases APIs
- Features
 - Design and Build a Web App
 - Support Natural Language Voice Input
 - “I’d like a beach background for my video.”
 - “Let’s place a man on the beach.”
 - “I’d like the man to walk along the beach.”
 - Leverage Microsoft Azure Cloud Computing
 - Store User and Project Information
 - Process Utterances (Voice Input)
 - Implement Speech to Text
 - Apply Natural Language Processing
 - Send Projects to Other Users for Feedback
- Technologies
 - Microsoft Azure Cloud Computing
 - Bing Image Search
 - SoundCloud API (For Music)
 - CSS / HTML / JavaScript
 - ASP.Net MVC or Node.js
 - Natural Language Processing (NLP)
 - SQL Database





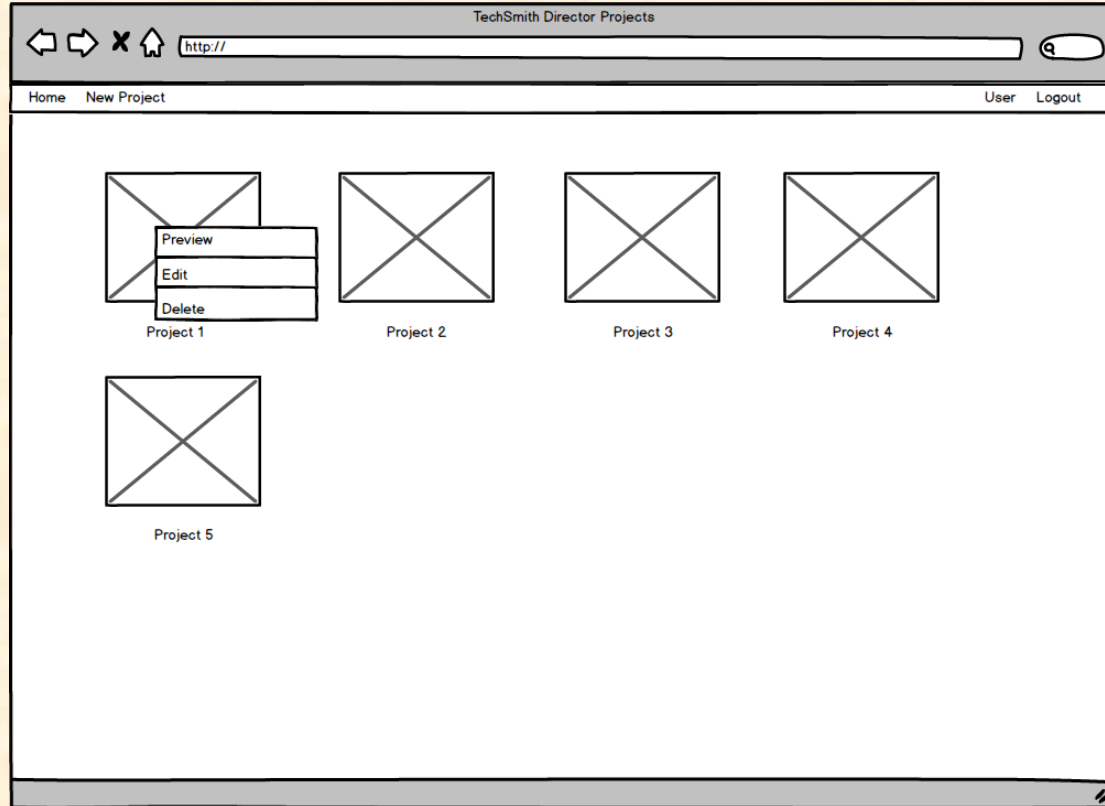
Team TechSmith

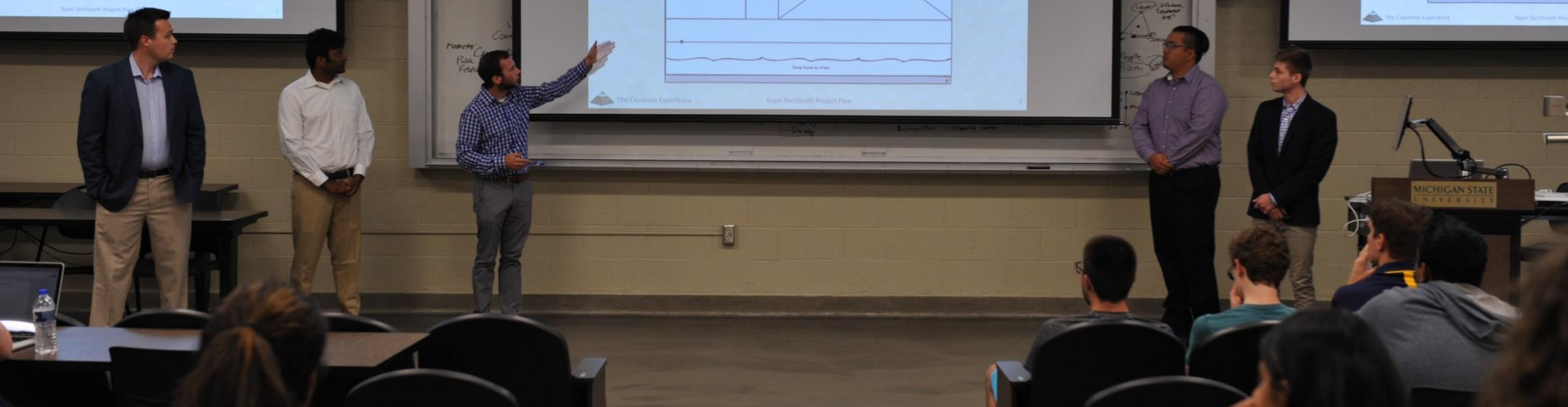
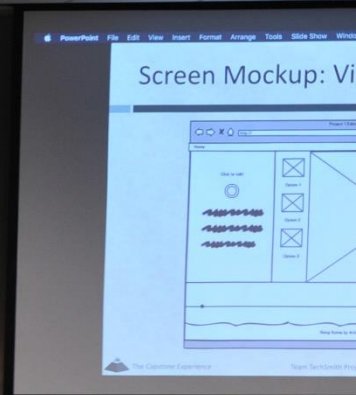
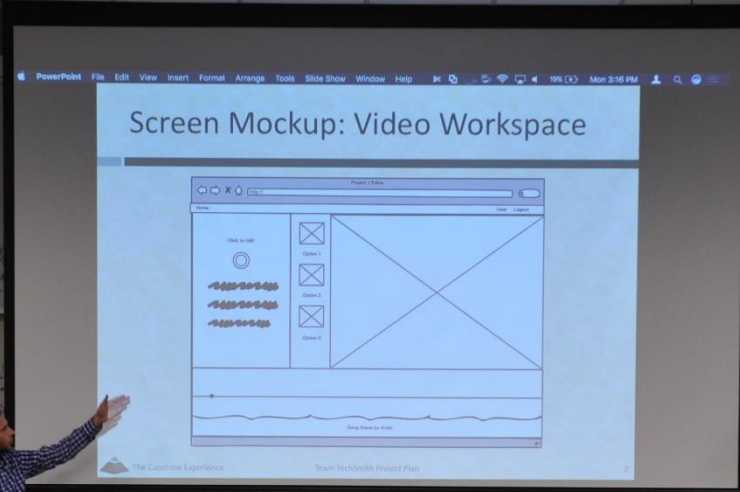
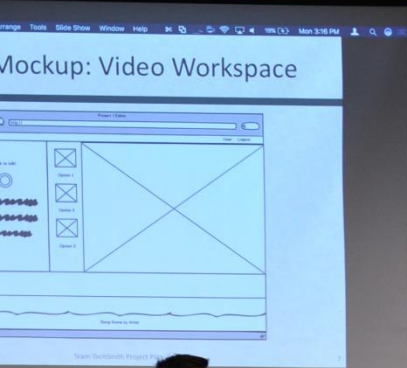
Joe Freedman, Pranay Kandru, Kevin Ahn, Jake Heisey, Jared Ballance

Team TechSmith Project Plan Presentation

2.

Screen Mockup



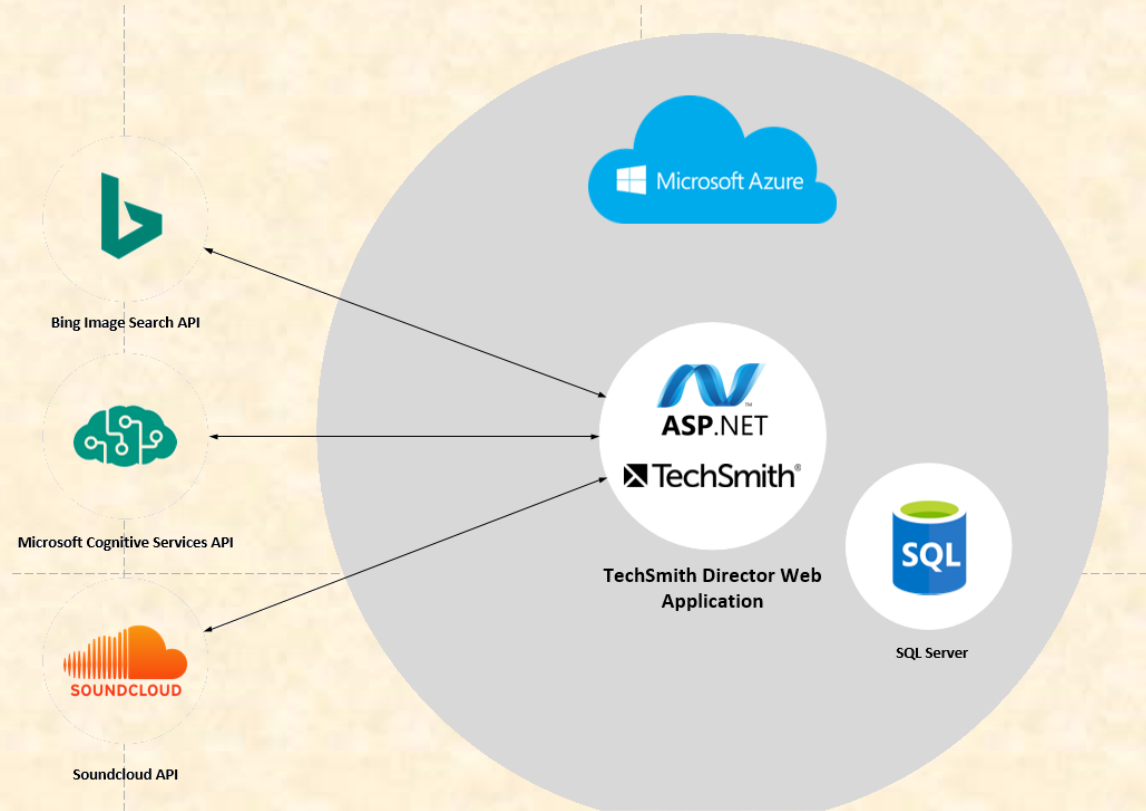


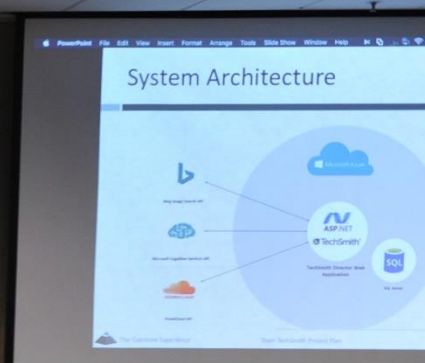
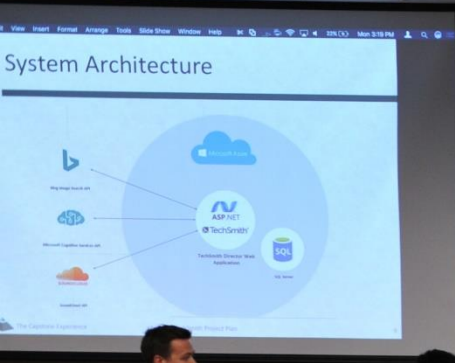
Team TechSmith Project Plan Presentation

Team TechSmith Project Plan Presentation

2.

Architecture Diagram



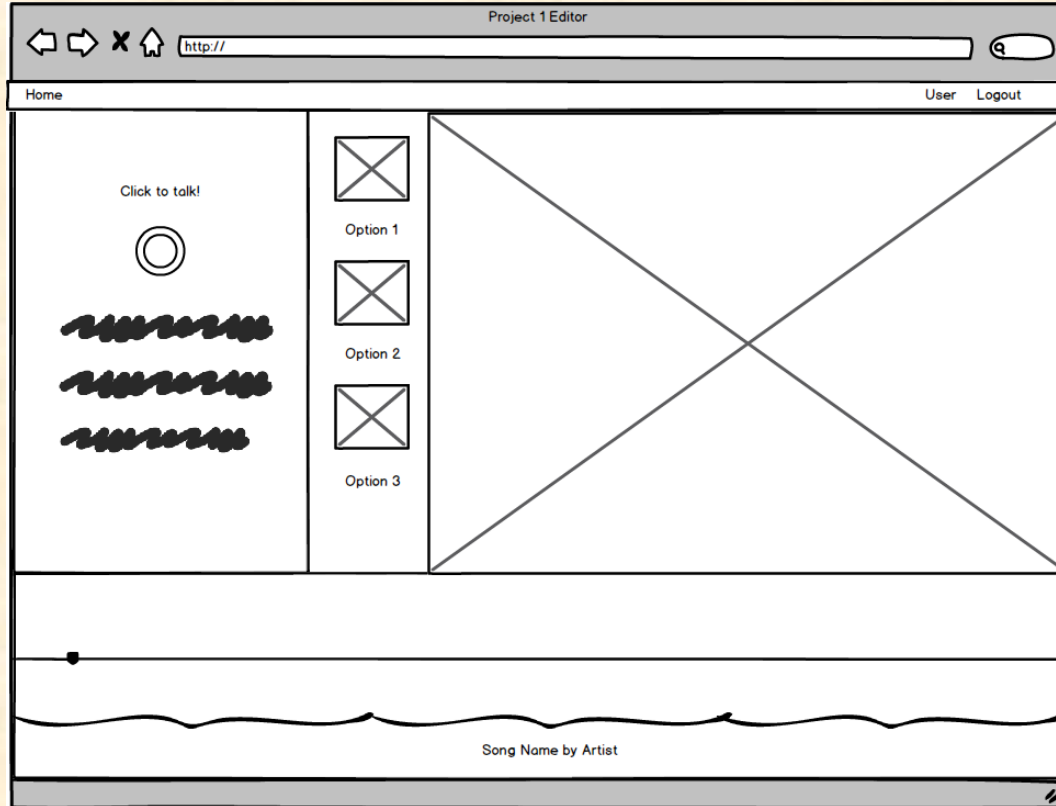


Team TechSmith Project Plan Presentation

Team TechSmith Project Plan Presentation

2.

Screen Mockup



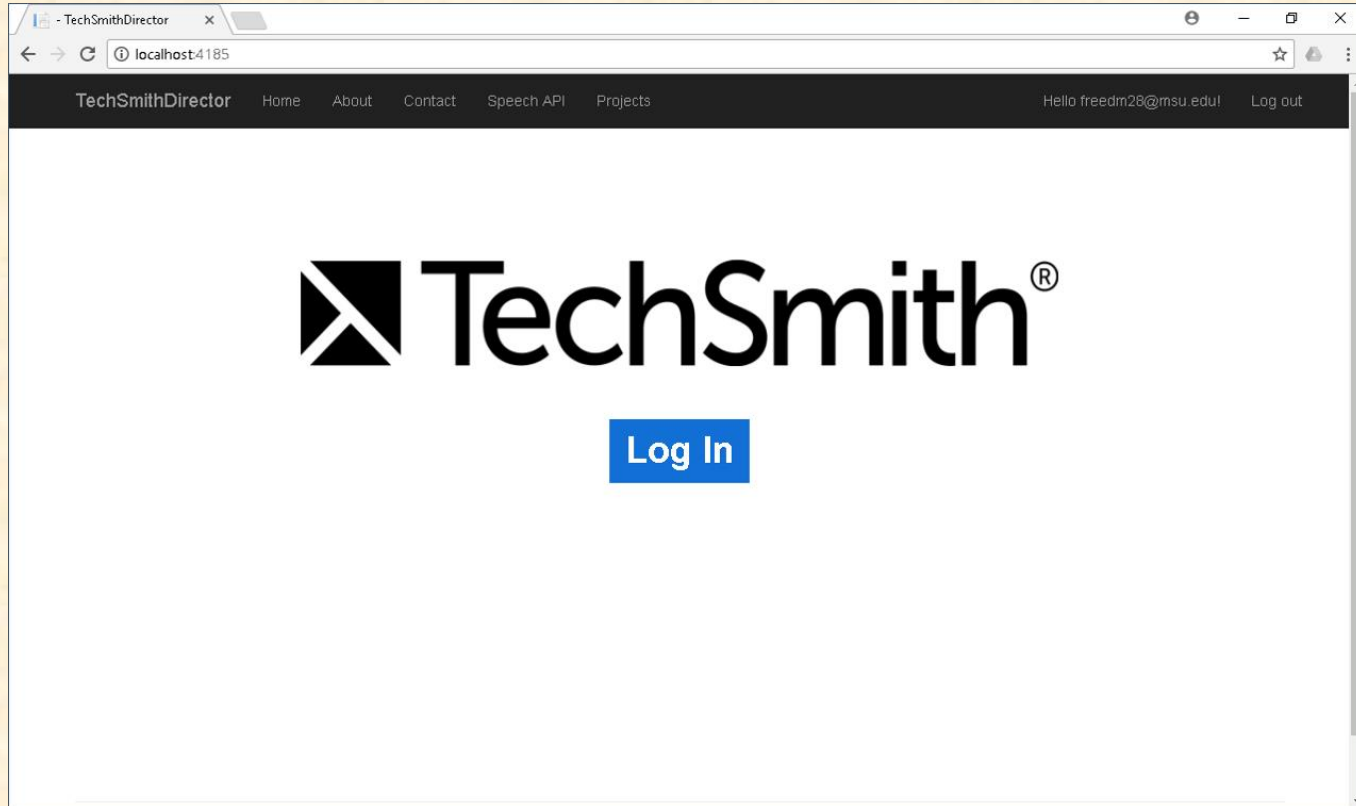


Team TechSmith Alpha Presentation

Team TechSmith Alpha Presentation

a.

Login Page



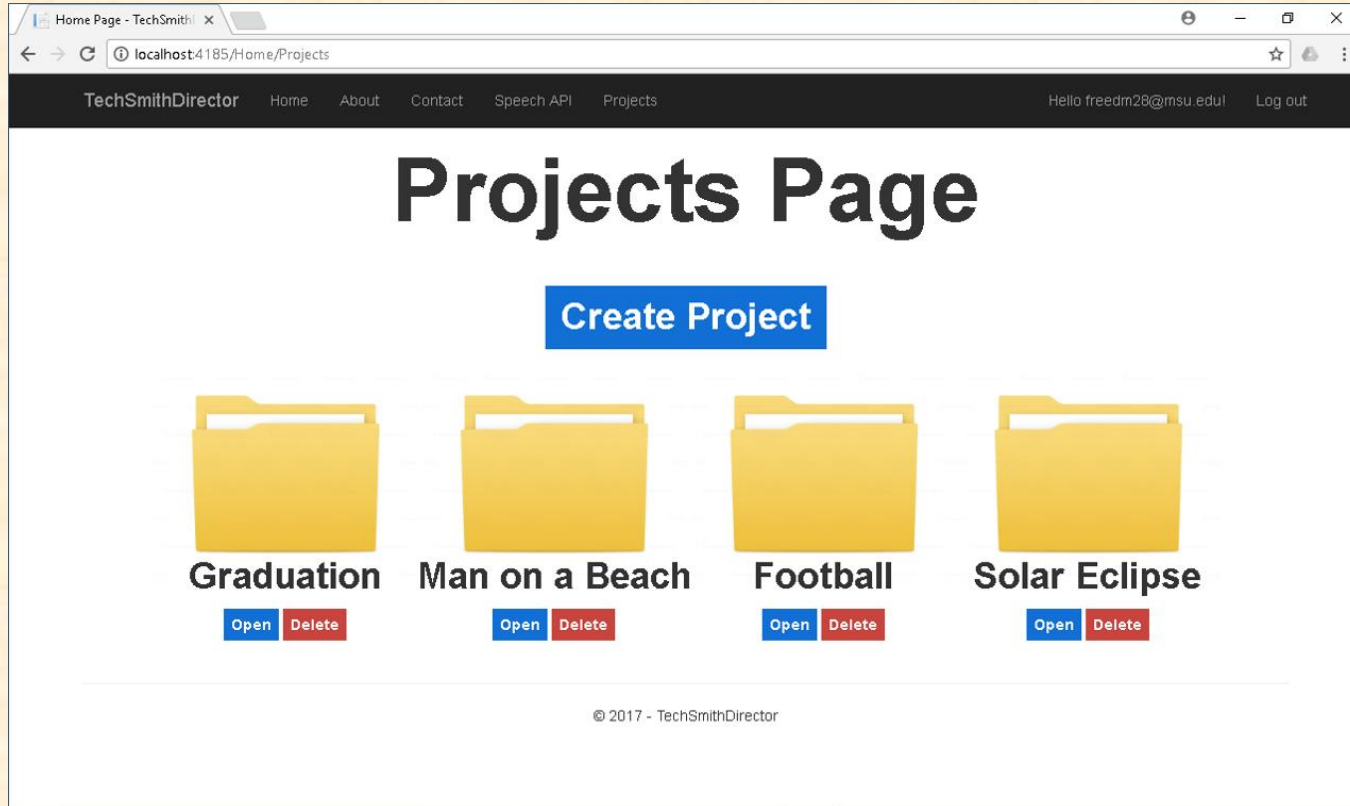
The Capstone Experience

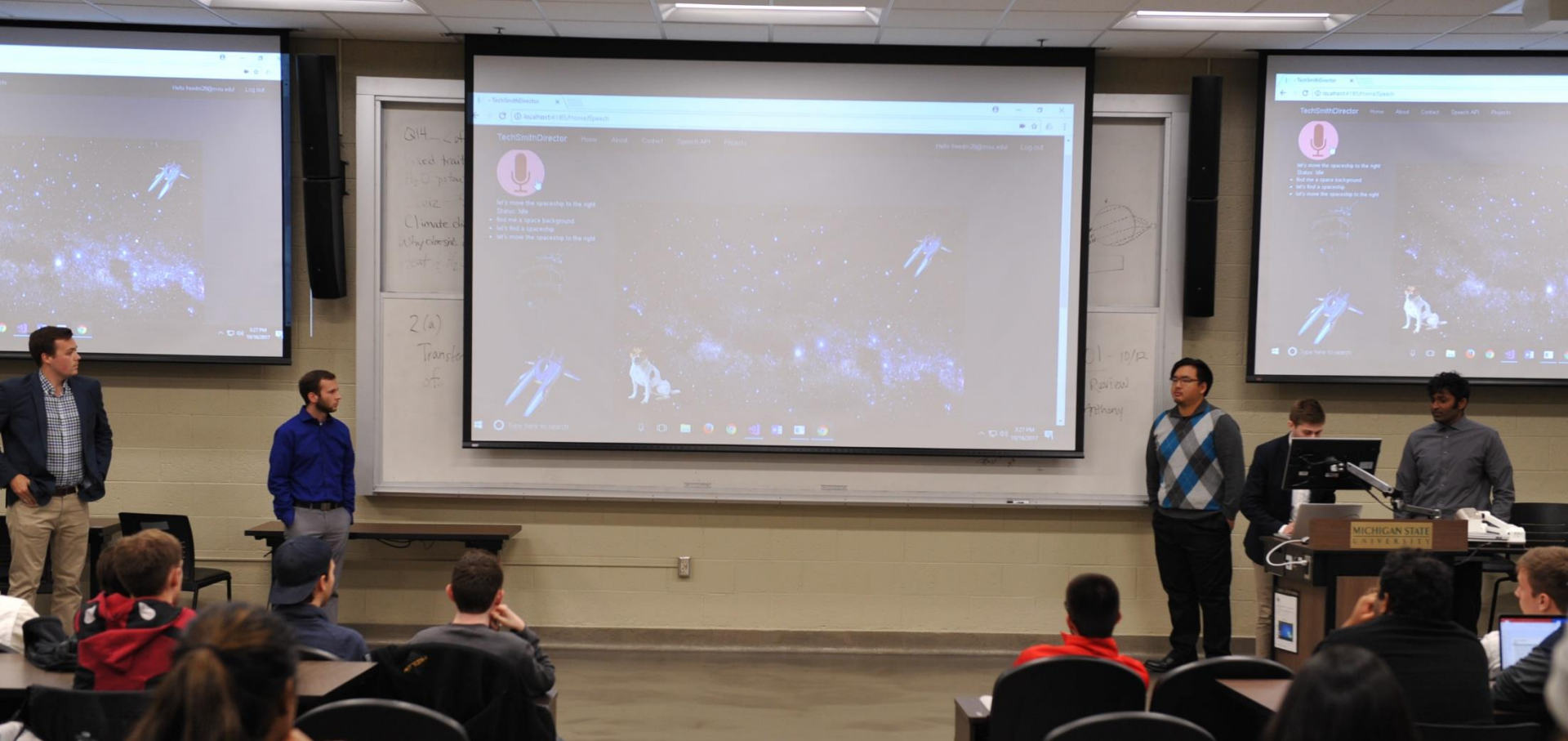


Team TechSmith Alpha Presentation

a.

Projects Page



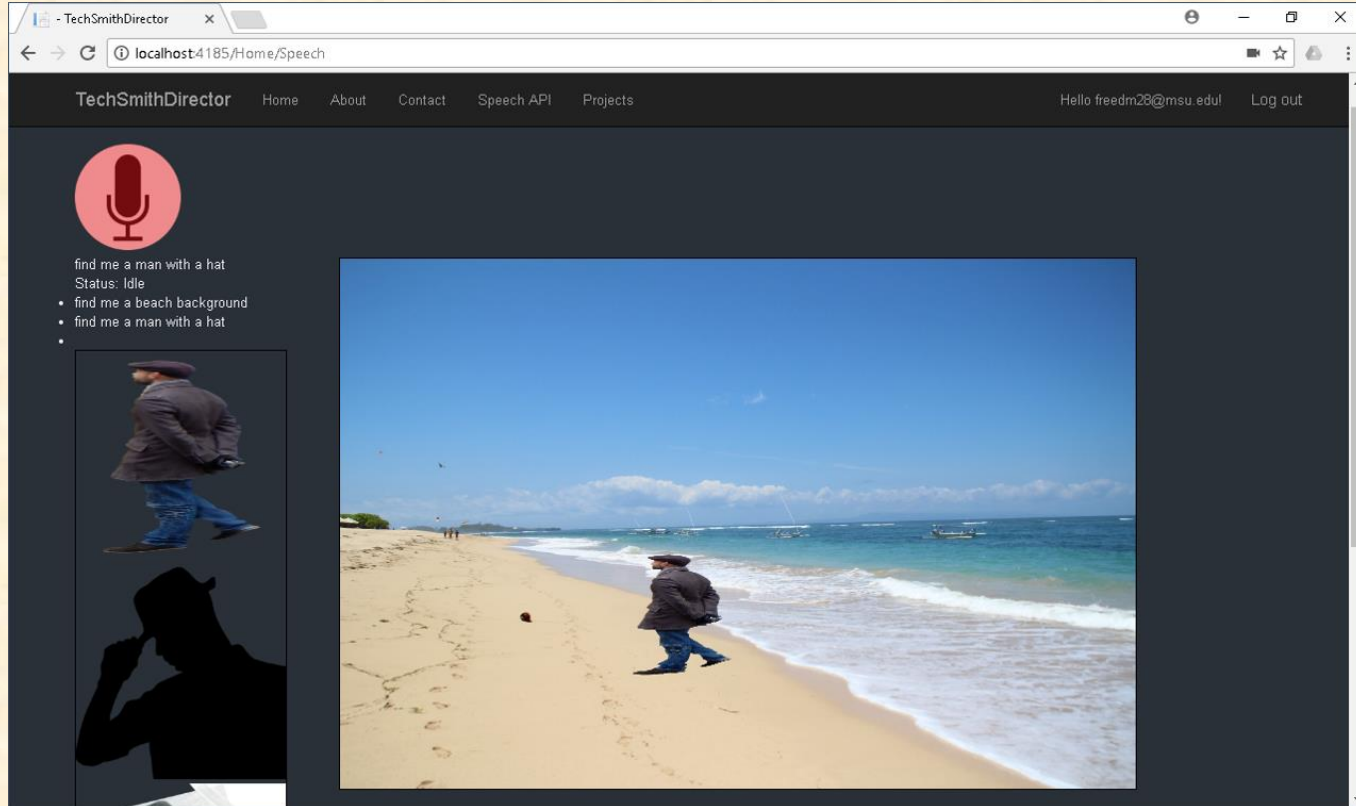


Team TechSmith Alpha Presentation

Team TechSmith Alpha Presentation

2.

Video Editor Page



The Capstone Experience



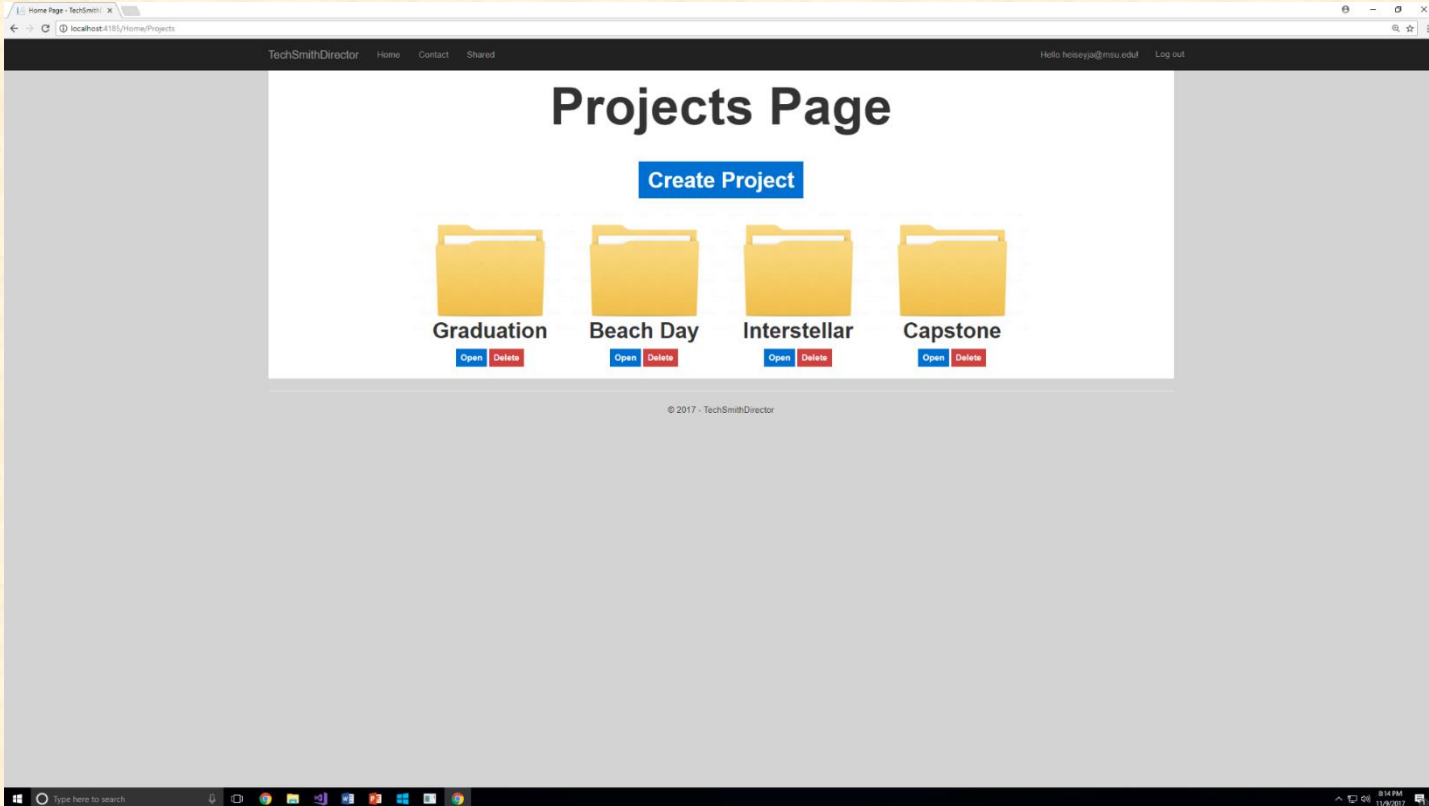


Team TechSmith Beta Presentation

Team TechSmith Beta Presentation

2.

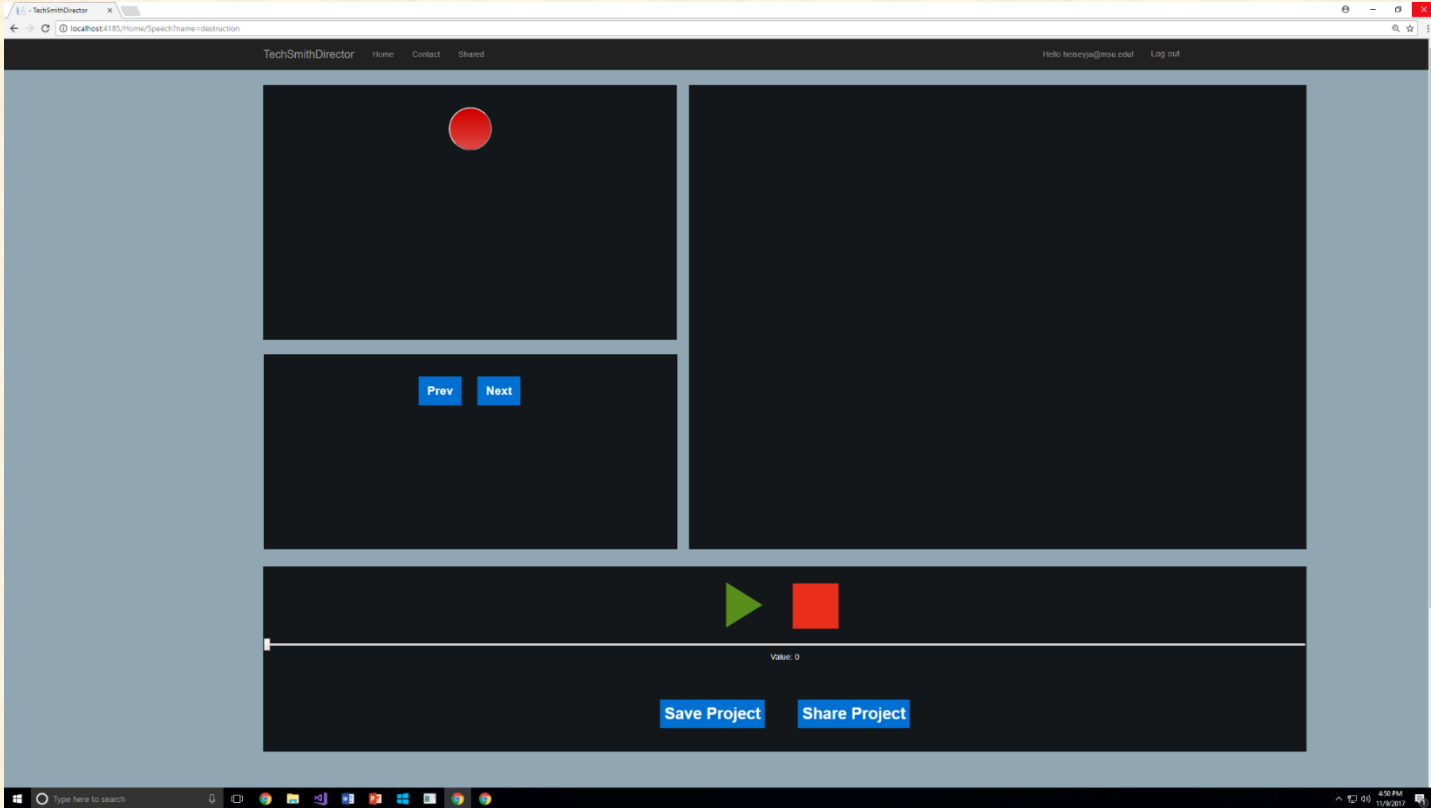
Projects Page



Team TechSmith Beta Presentation

2.

Animation Editor Page

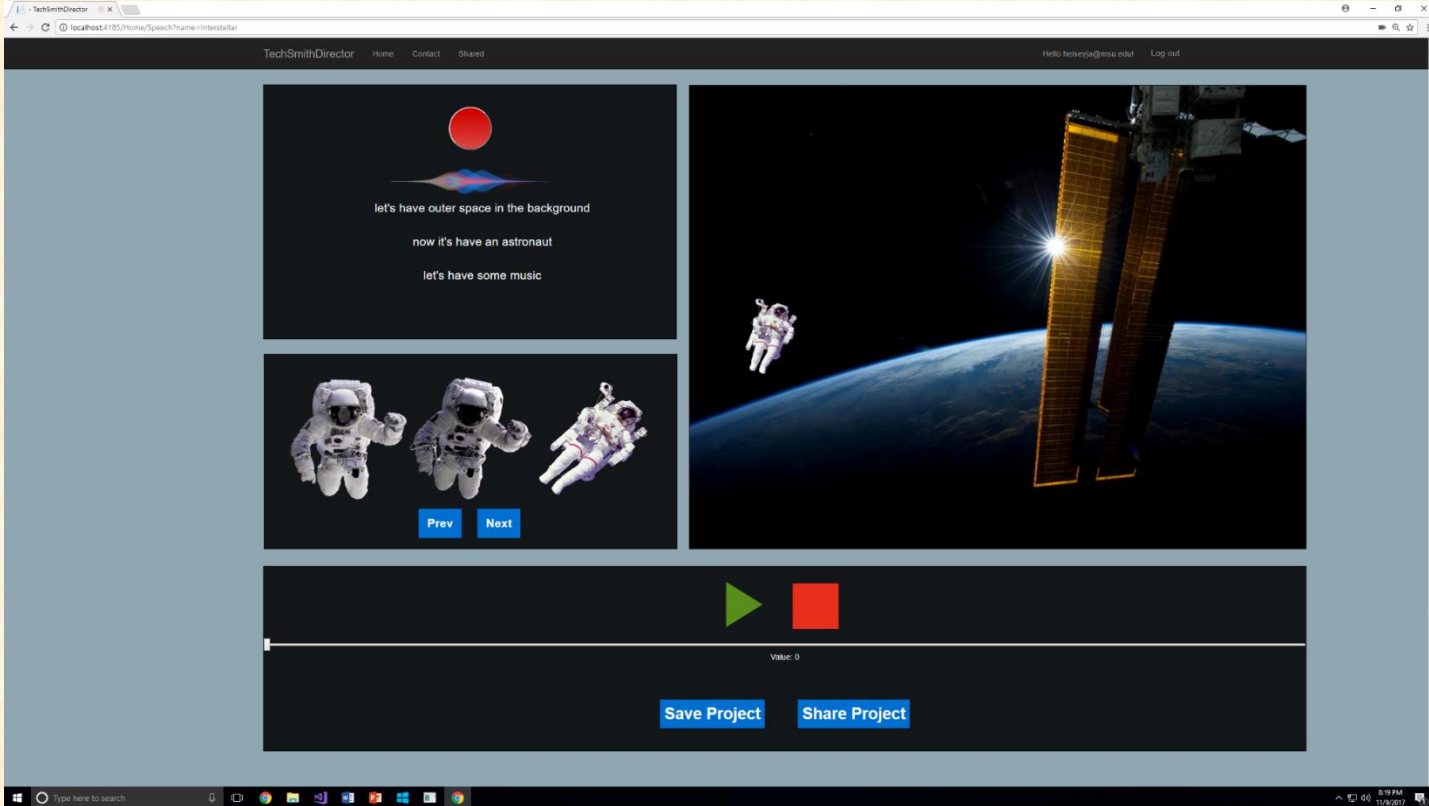


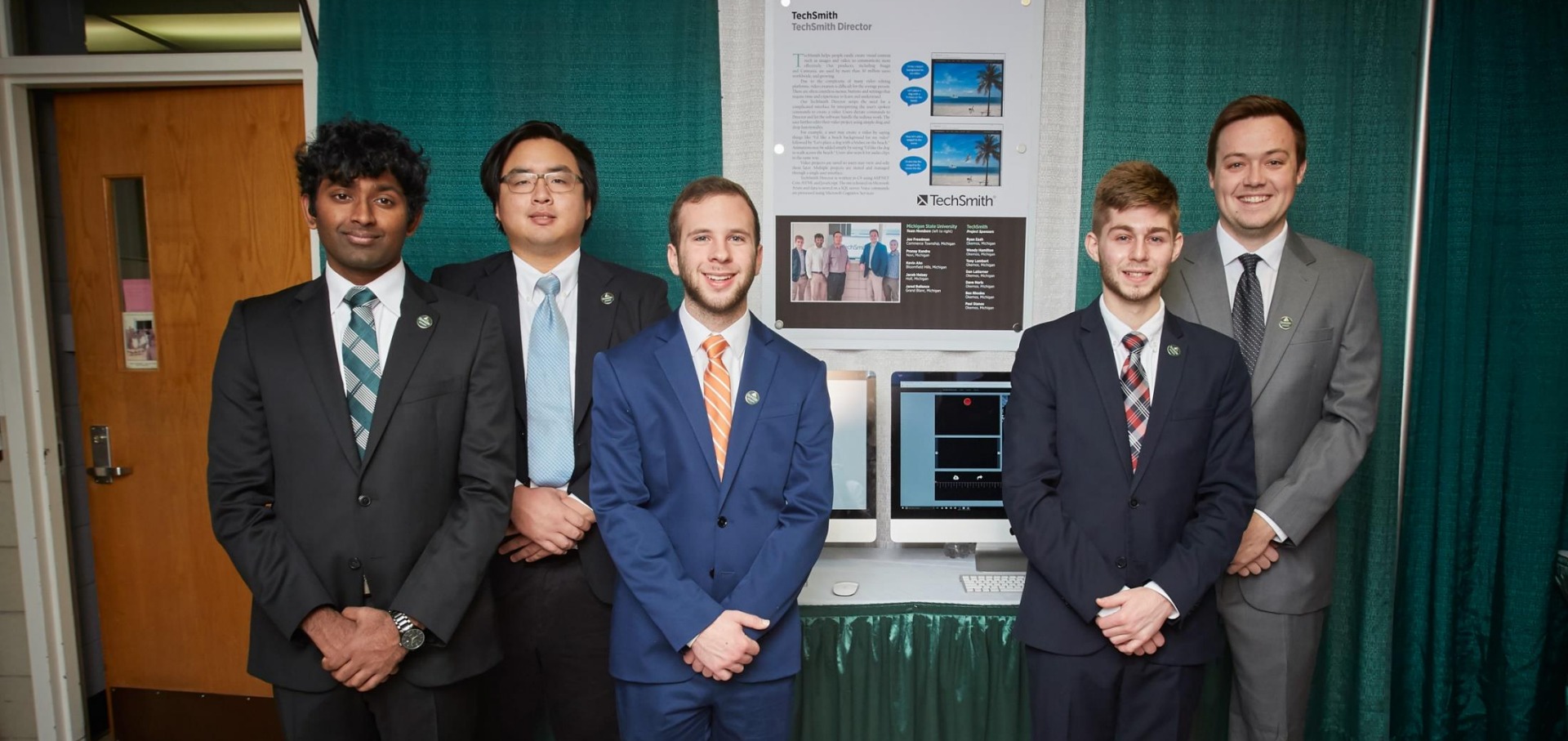


Team TechSmith Beta Presentation

Team TechSmith Beta Presentation

Animation Editor Page (Active)





Team TechSmith
Design Day

MICHIGAN STATE
UNIVERSITY

The Capstone Experience

Team TWO MEN AND A TRUCK

Department of Computer Science and Engineering
Michigan State University
Fall 2017



*From Students...
...to Professionals*



TWO MEN AND A TRUCK®

“Movers Who Care®”



We've changed our colors to honor those who have served our country this Veterans Day.



Franchising

Careers

About Us

Press

Contact

877.263.6444



TWO MEN AND A TRUCK.
"Movers Who Care."

FOR HOME

FOR BUSINESS

RESOURCES

REVIEWS

GET YOUR FREE QUOTE



We're the

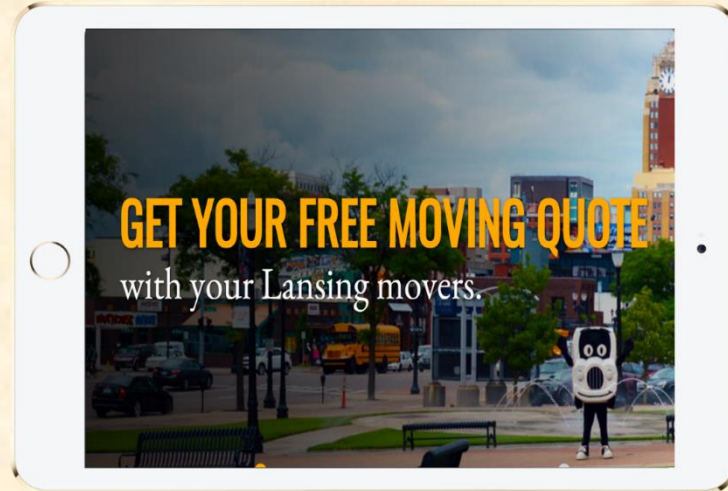
PROFESSIONALS YOU CAN TRUST

Team TWO MEN AND A TRUCK

Project Overview

Online Moving Estimator

- Functionalities
 - Provide In-Home Moving Estimate
 - Online Using Web App
- Features
 - Design and Build Web App
 - Provide Chat and Video Conference
 - Determine Room Inventory
 - From Video
 - Automatically
 - Estimate Moving Cost
 - Compute Load / Weight / Space on Truck
 - Use TMaaT Existing Algorithm
 - Integrate with Existing Quick Estimate Module
- Technologies
 - CSS / HTML / JavaScript / PHP
 - Video Conferencing
 - Image Processing and Pattern Recognition



**TWO MEN
AND A
TRUCK®**

“Movers Who Care®”

Lansing, Michigan



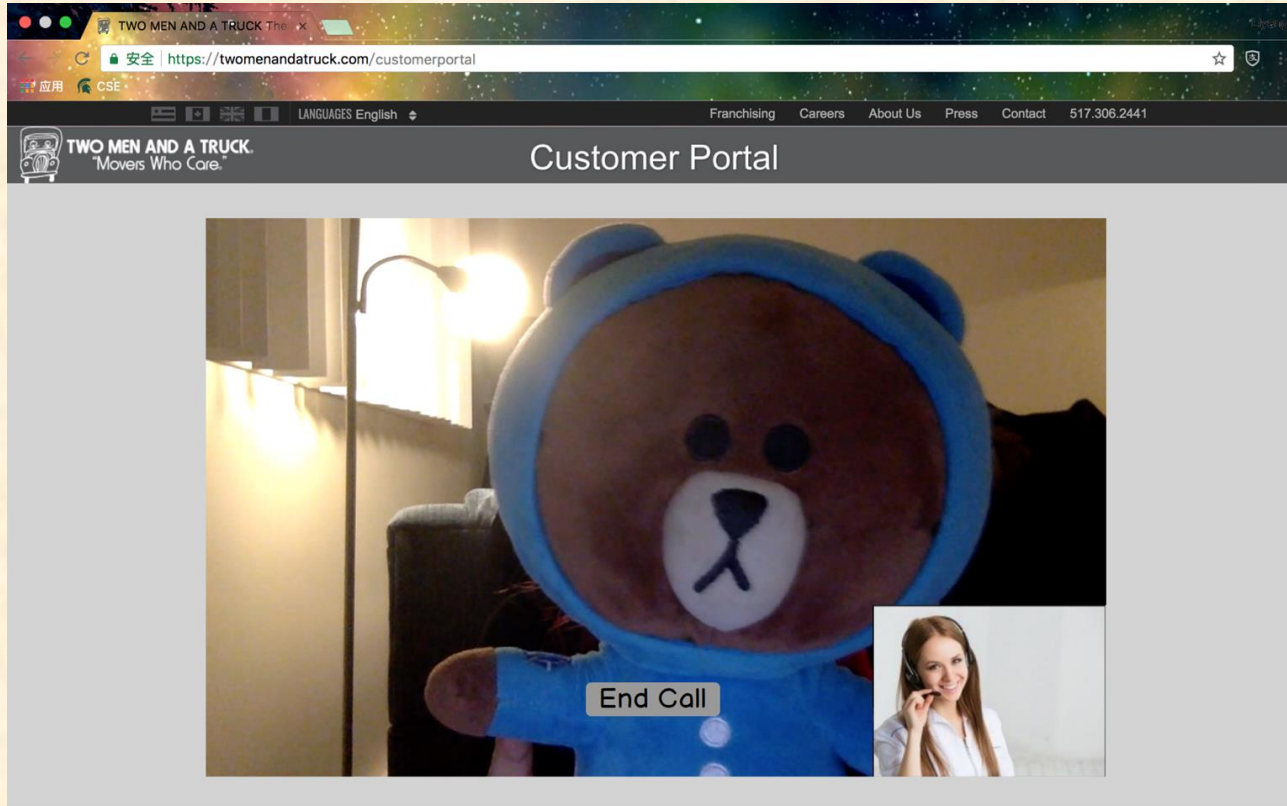
Team TWO MEN AND A TRUCK

Leon Ye, Clay Wilson, Daria Tarasova, James Williams, Kevin Dittman

Team TWO MEN AND A TRUCK Project Plan Presentation

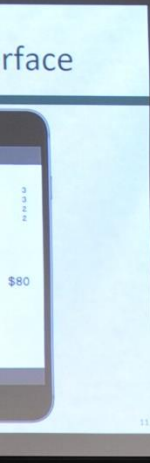
2.

Screen Mockup



The Capstone Experience





Screen Mockup: Phone Interface

The image displays two side-by-side smartphone screen mockups for an application titled "TWO MEN AND A TRUCK".

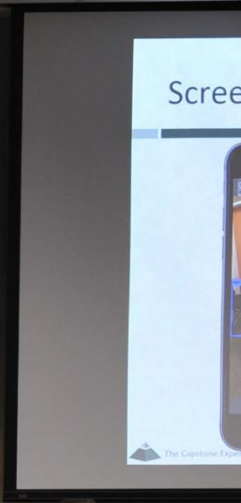
The left mockup shows a photo of a computer lab. Red rectangular boxes are overlaid on the image, highlighting specific items: two monitors, two chairs, and two keyboards. A red "Retry" button is visible at the bottom of the screen.

The right mockup shows a list of items with their respective counts:

Item	Count
Monitors	3
Chairs	3
Keyboards	2
Mousees	2

Below the list, the text "Total: \$80" is displayed, followed by a red "Retry" button.

At the bottom of the slide, there is a small logo for "The Capstone Experience" and the text "Team Two Men and a Truck Project". A small number "11" is visible in the bottom right corner of the slide.

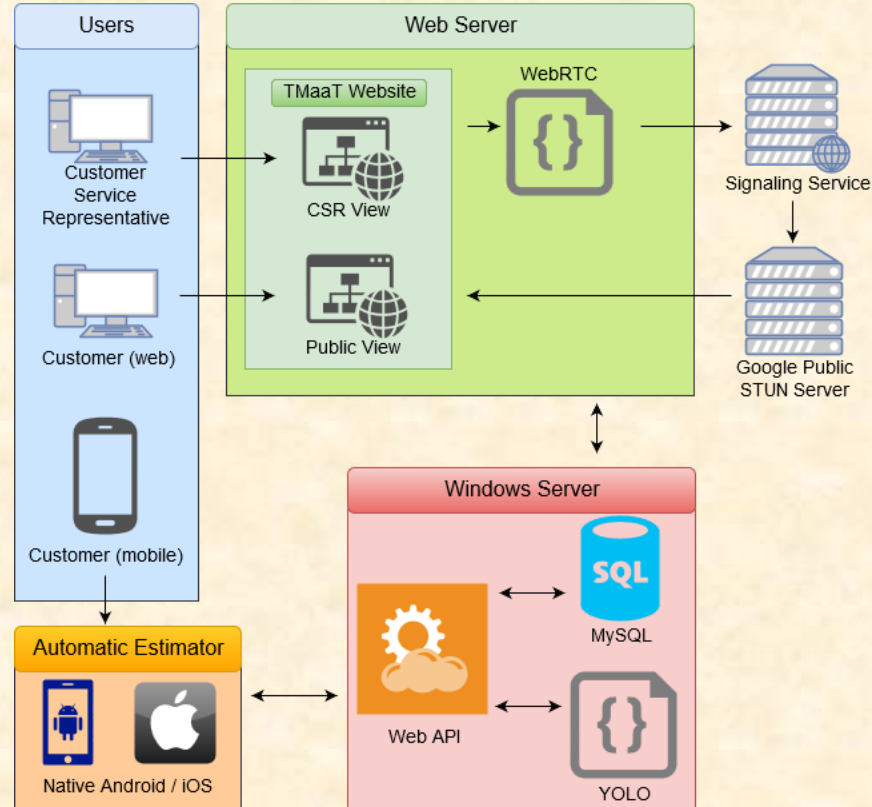


Team TWO MEN AND A TRUCK Project Plan Presentation

Team TWO MEN AND A TRUCK Project Plan Presentation

2.

Architecture Diagram



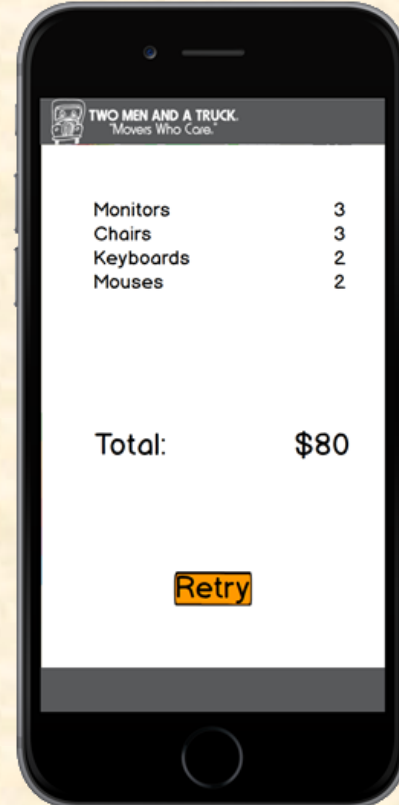


Team TWO MEN AND A TRUCK Project Plan Presentation

Team TWO MEN AND A TRUCK Project Plan Presentation

2.

Screen Mockup





Team TWO MEN AND A TRUCK Alpha Presentation

Team TWO MEN AND A TRUCK Alpha Presentation

a.

Web Video Chat

TMat WebRTC Alpha

Secure | https://cse.msu.edu/~will1907/tmaat/combo_prototype.html#78450c

Bill

Ted

Ted says:
Hello how may I help you?

Bill says:
I'm looking to get an estimate

Ted says:
No problem!

Your message ... Send

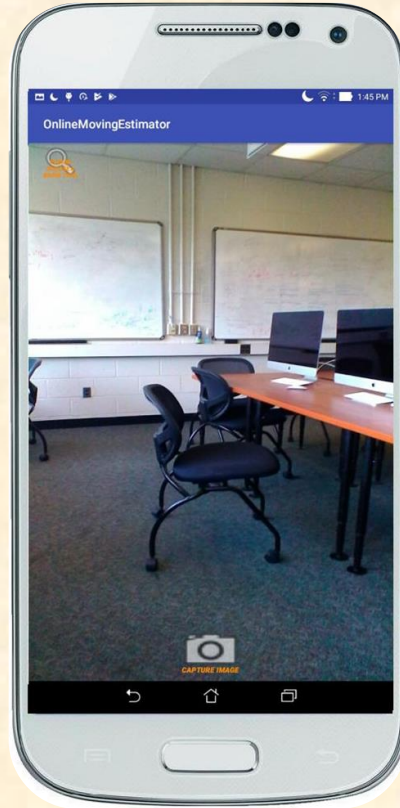
Type here to search

12:38 PM 10/15/2017

Team TWO MEN AND A TRUCK Alpha Presentation

2.

Android Mobile App



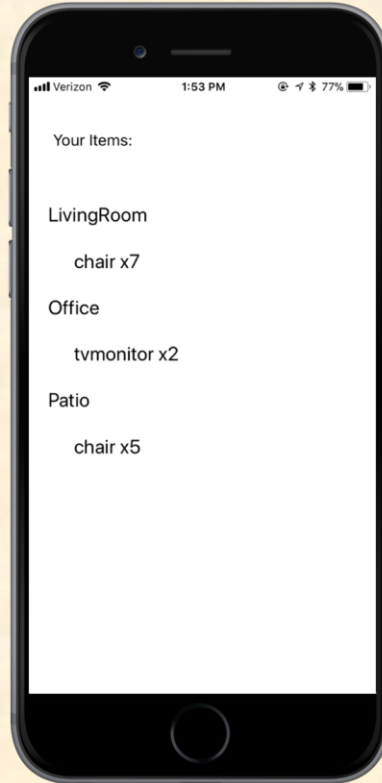


Team TWO MEN AND A TRUCK Alpha Presentation

Team TWO MEN AND A TRUCK Alpha Presentation

2.

iOS Mobile App



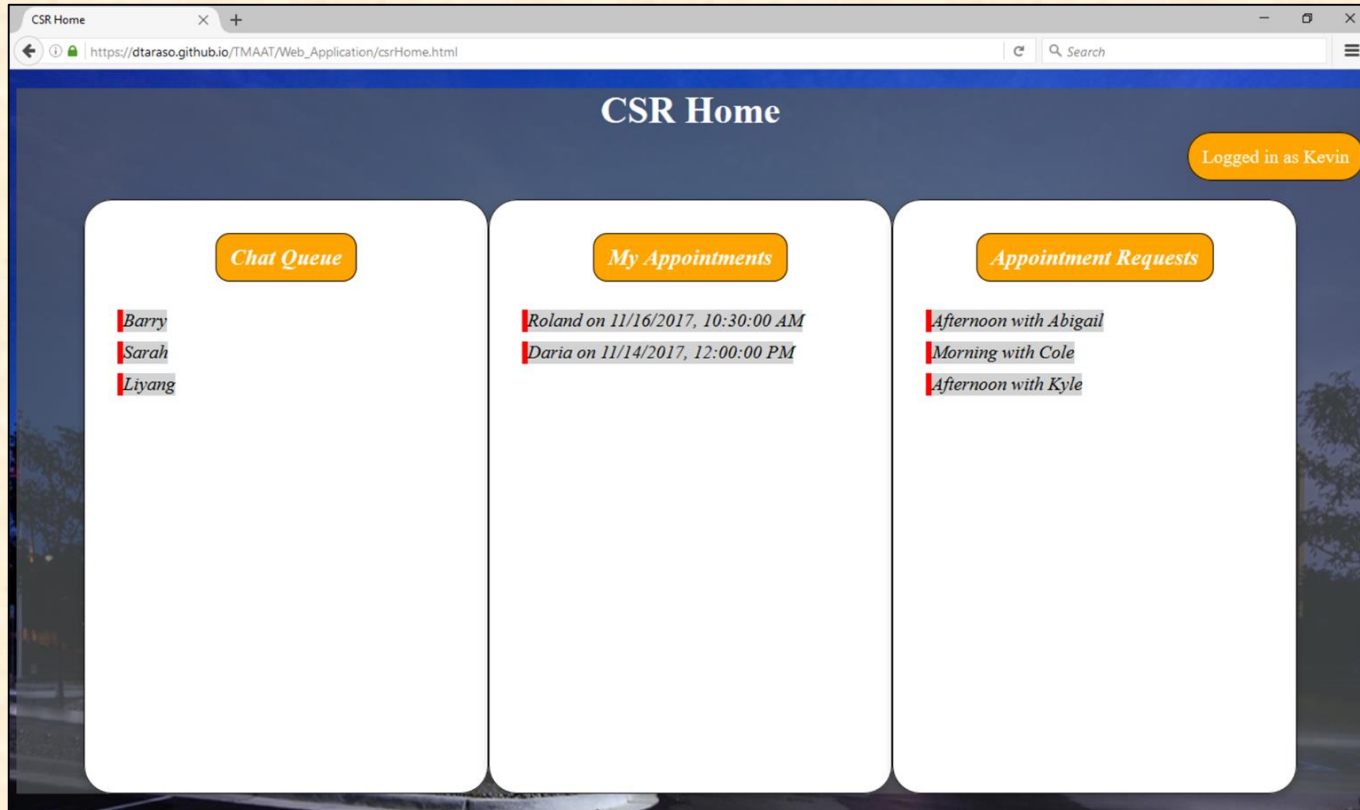


Team TWO MEN AND A TRUCK Beta Presentation

Team TWO MEN AND A TRUCK Beta Presentation

a.

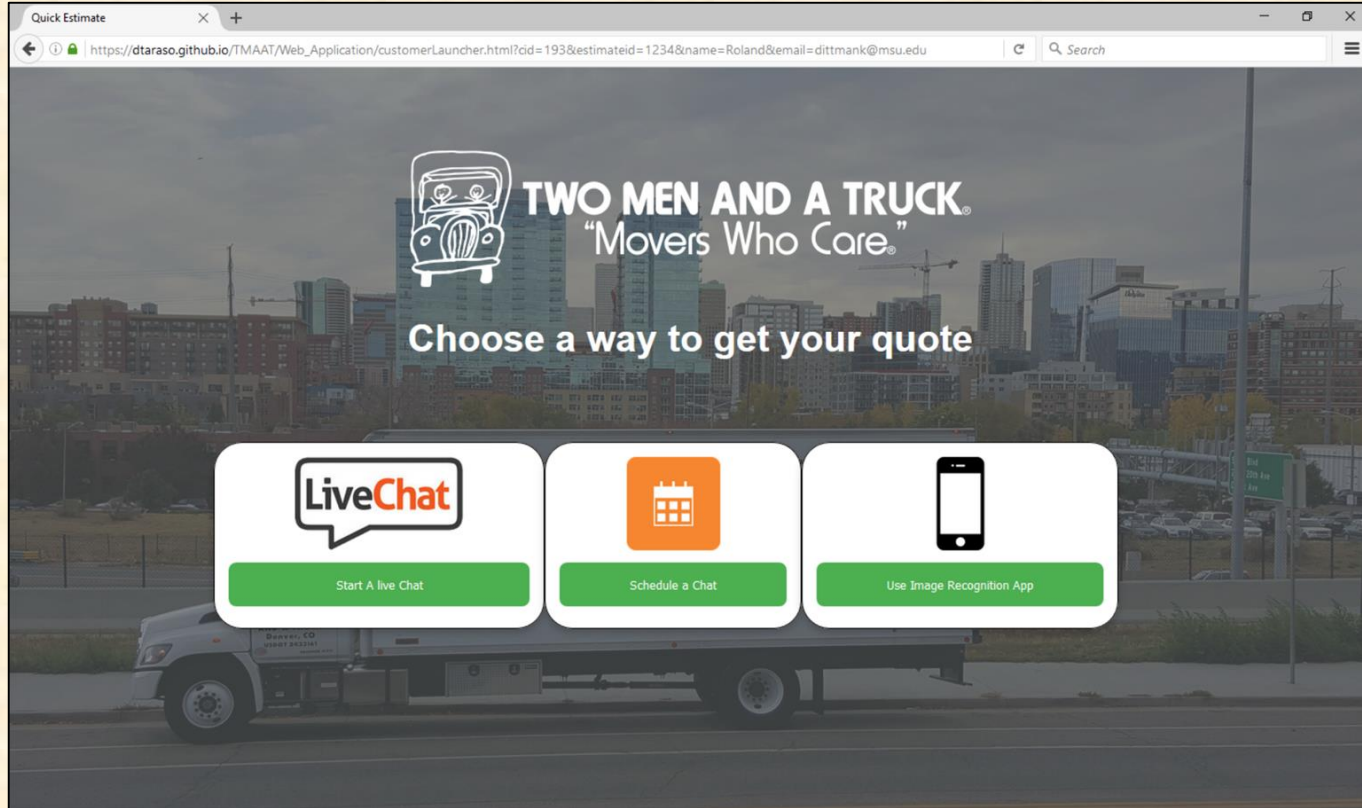
CSR Home Page



Team TWO MEN AND A TRUCK Beta Presentation

2.

Customer Landing Page



The Capstone Experience



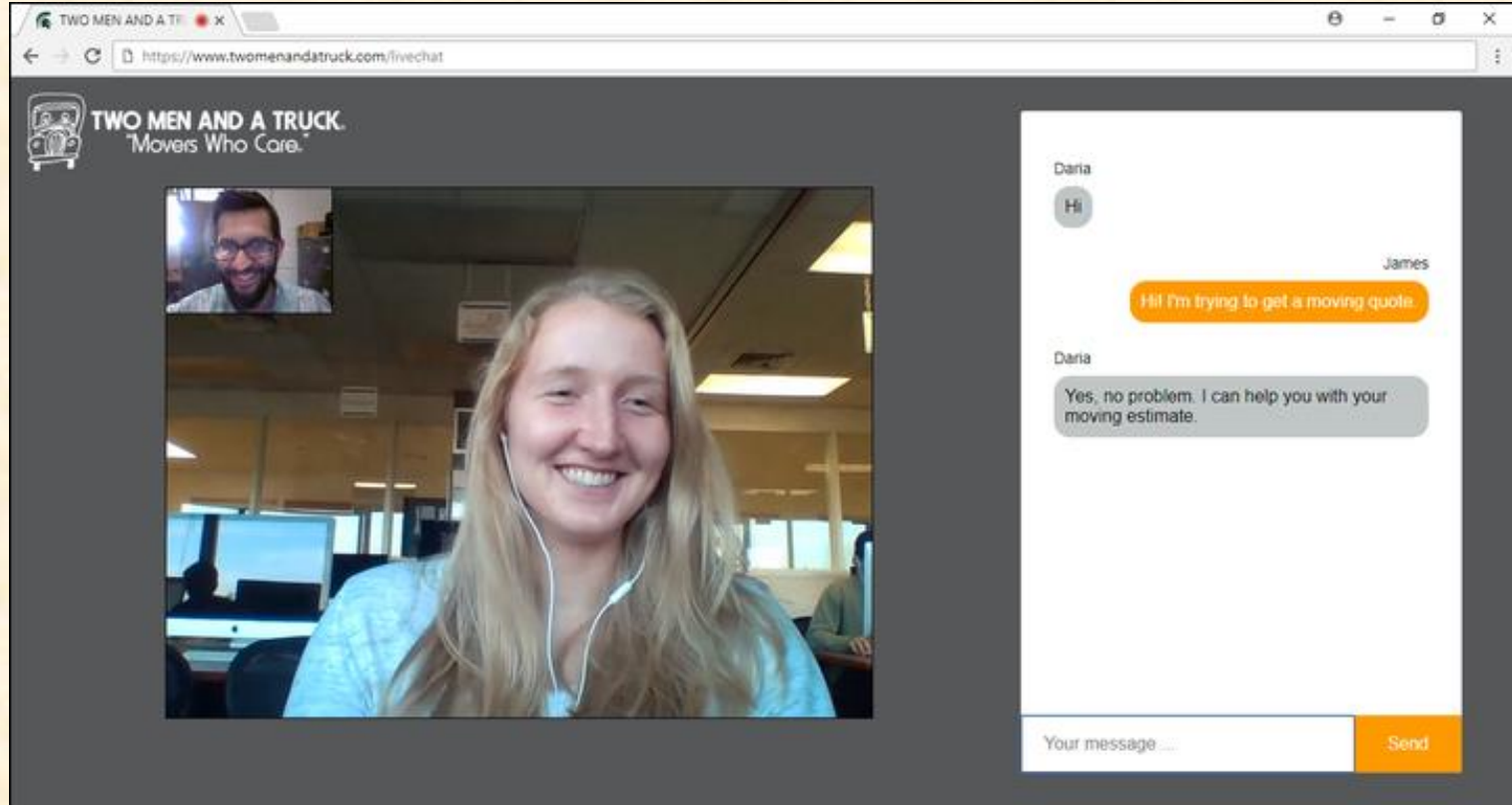


Team TWO MEN AND A TRUCK Beta Presentation

Team TWO MEN AND A TRUCK Beta Presentation

a.

Text / Video Chat Page





Team TWO MEN AND A TRUCK Design Day

MICHIGAN STATE
UNIVERSITY

The Capstone Experience

Team Union Pacific

Department of Computer Science and Engineering
Michigan State University
Fall 2017



From Students...
...to Professionals



BUILDING AMERICA[®]



Union Pacific



Guest



www.up.com



BUILDING AMERICA®

MyUPRR Login

[CUSTOMERS](#)

[EMPLOYEES](#)

[SUPPLIERS](#)

[INVESTORS](#)

[MEDIA](#)

[ABOUT US](#)

[SEARCH](#)

Union Pacific bridges are safe for the freight traffic they carry, as well as motorists and pedestrians. Our safety focus starts with more than 38,000 inspections annually to ensure the structural integrity for each bridge. For our employees, these inspections are more than just a job. **Learn more about UP's detailed inspection process.**



Steel Giants Promise Safe Passage

Team Union Pacific Project Overview

RailBuilder: The Great Race to Promontory

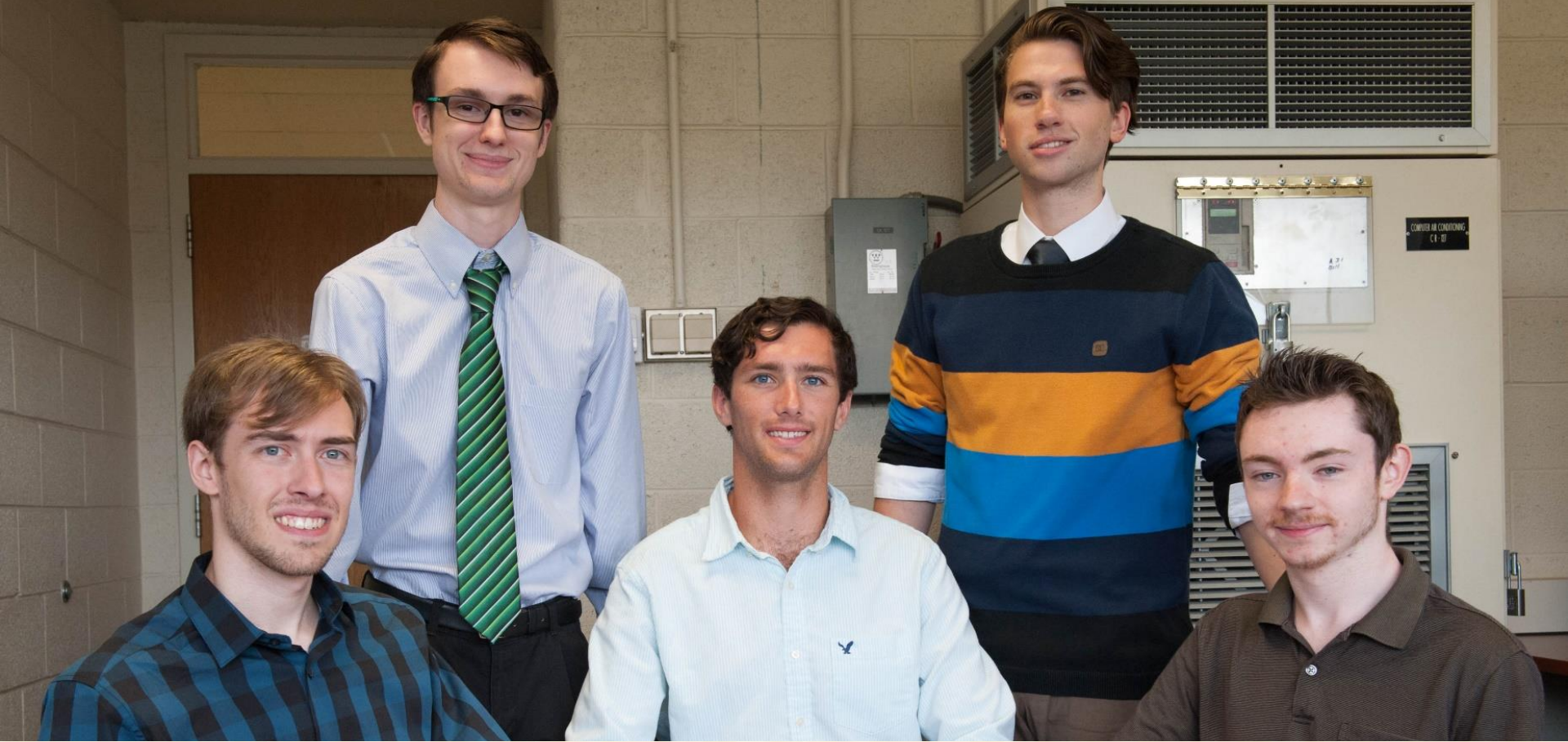
- Functionalities
 - Create Railroad Building Game
 - In 3D Representation of the World
- Features
 - Support Creation of Game Levels
 - Deploy as Microsoft Windows App
 - Include Topology and Land Classification
 - Place Scenery in Realistic Fashion
 - Use Terrain Grade and Elevation
 - Create Railroad Building Game
 - Between Two Locations in 3D
 - Using Limited Budget
 - Factoring Topology and Land Classification
 - Removing Scenery Where Rail is Laid
- Technologies
 - Unity Game Engine
 - Microsoft Windows
 - Microsoft C# / .NET
 - Apple iPads and iPhones (iOS) / Swift
 - Google Android Tablets and Phones / Java
 - ArcGIS Mapping Tools



BUILDING AMERICA®

Omaha, Nebraska
Okemos, Michigan





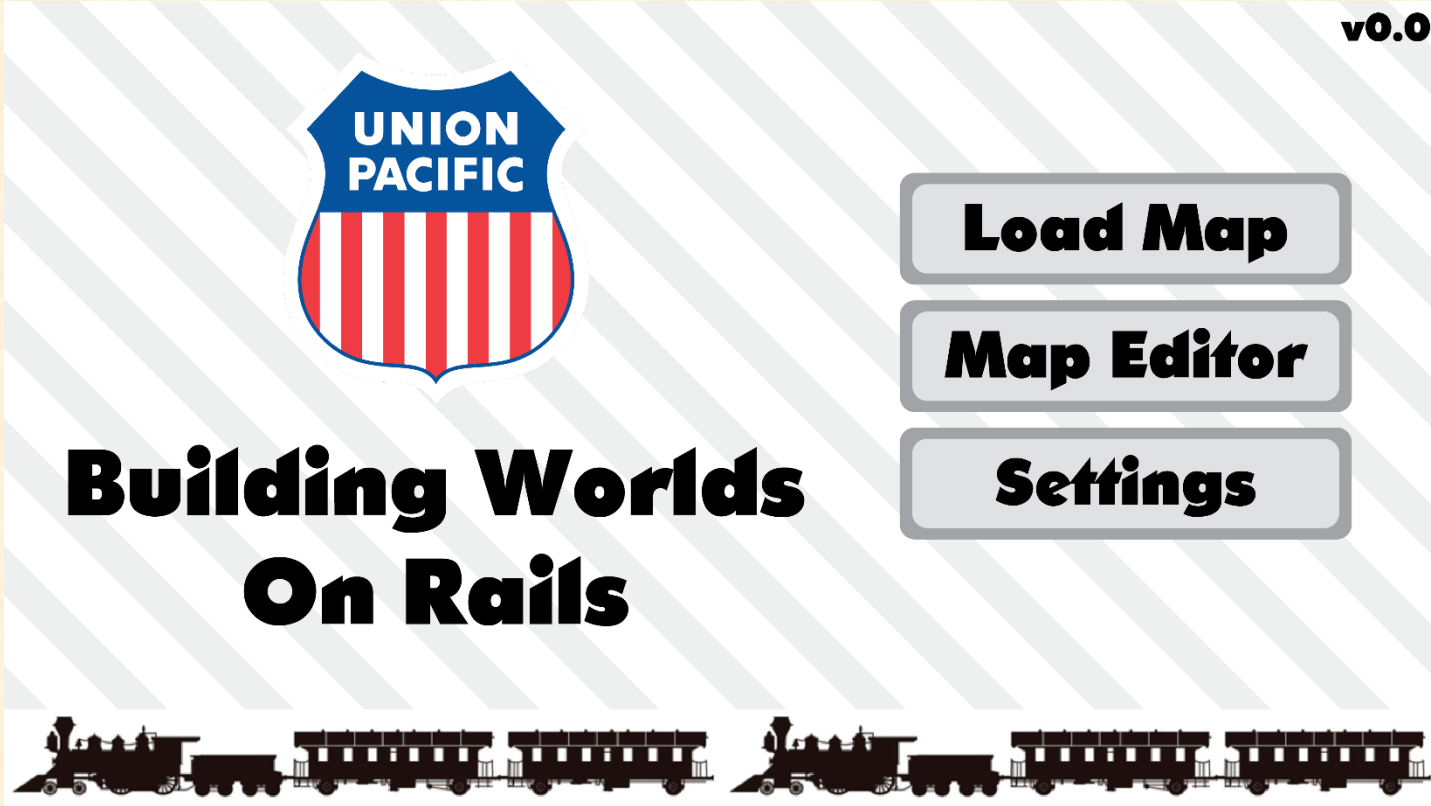
Team Union Pacific

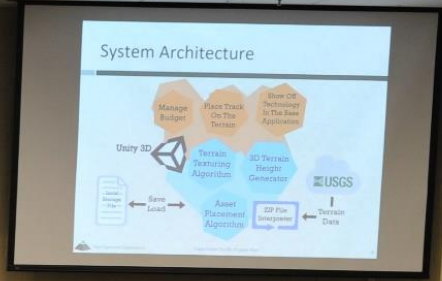
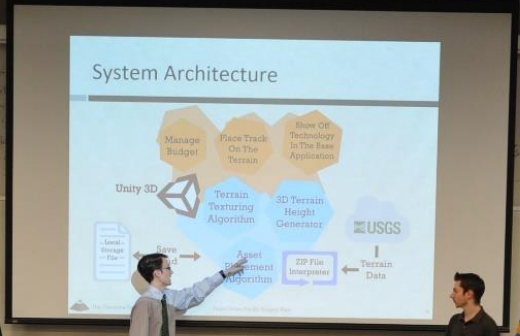
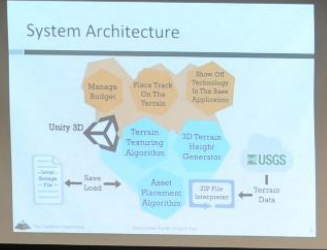
Trever Daniels, Declan McClintock, Jacob Young, Kyle Bush, Zachary Brenz

Team Union Pacific Project Plan Presentation

2.

Screen Mockup



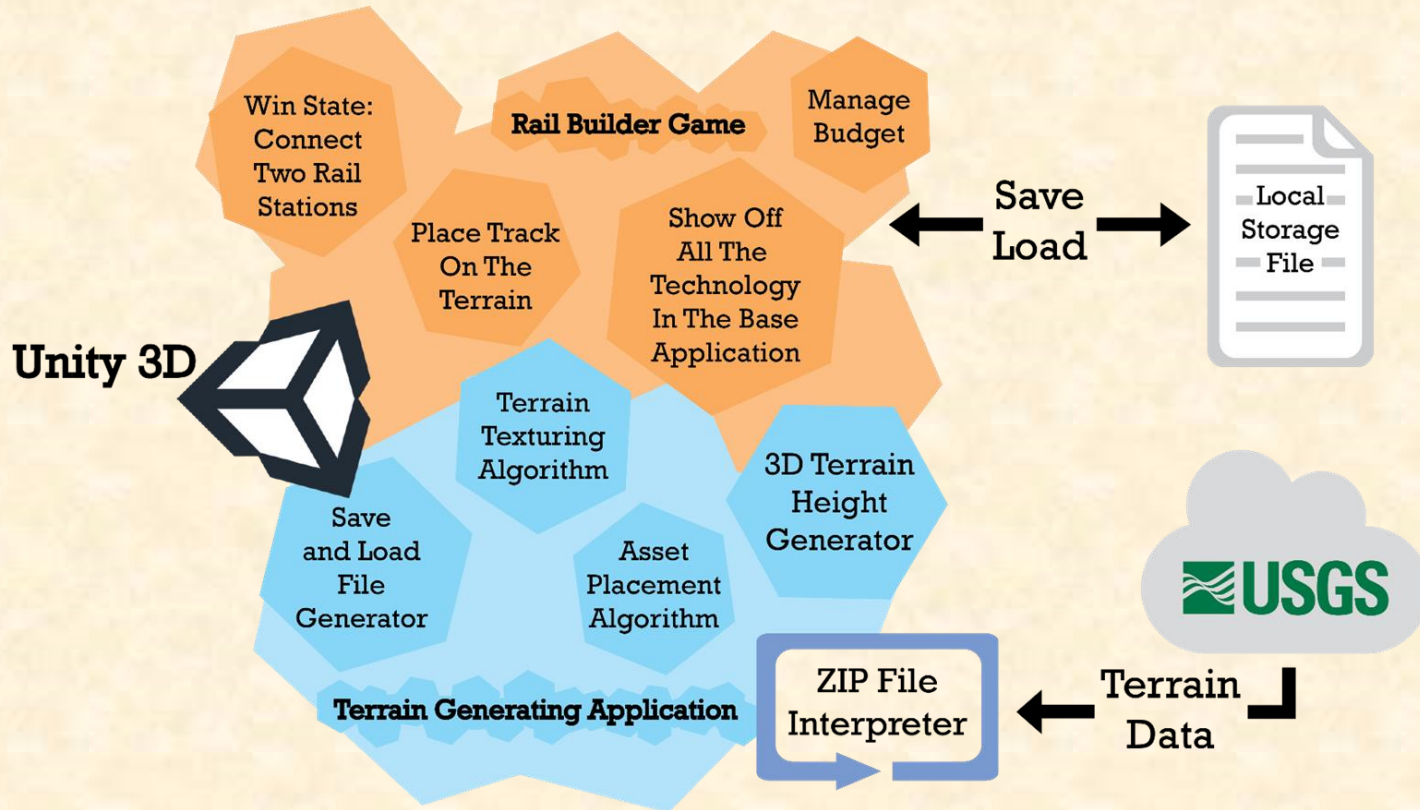


Team Union Pacific
Project Plan Presentation

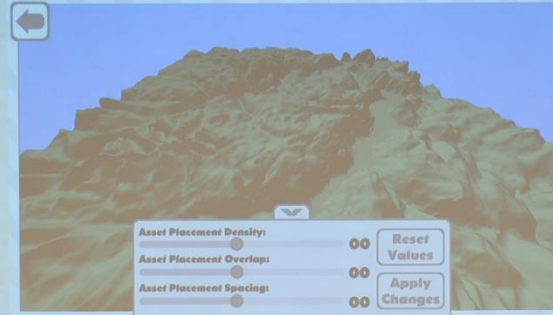
Team Union Pacific Project Plan Presentation

a.

Architecture Diagram



Screen Mockup: Terrain Generation



The Capstone Experience

Team Union Pacific Project Plan

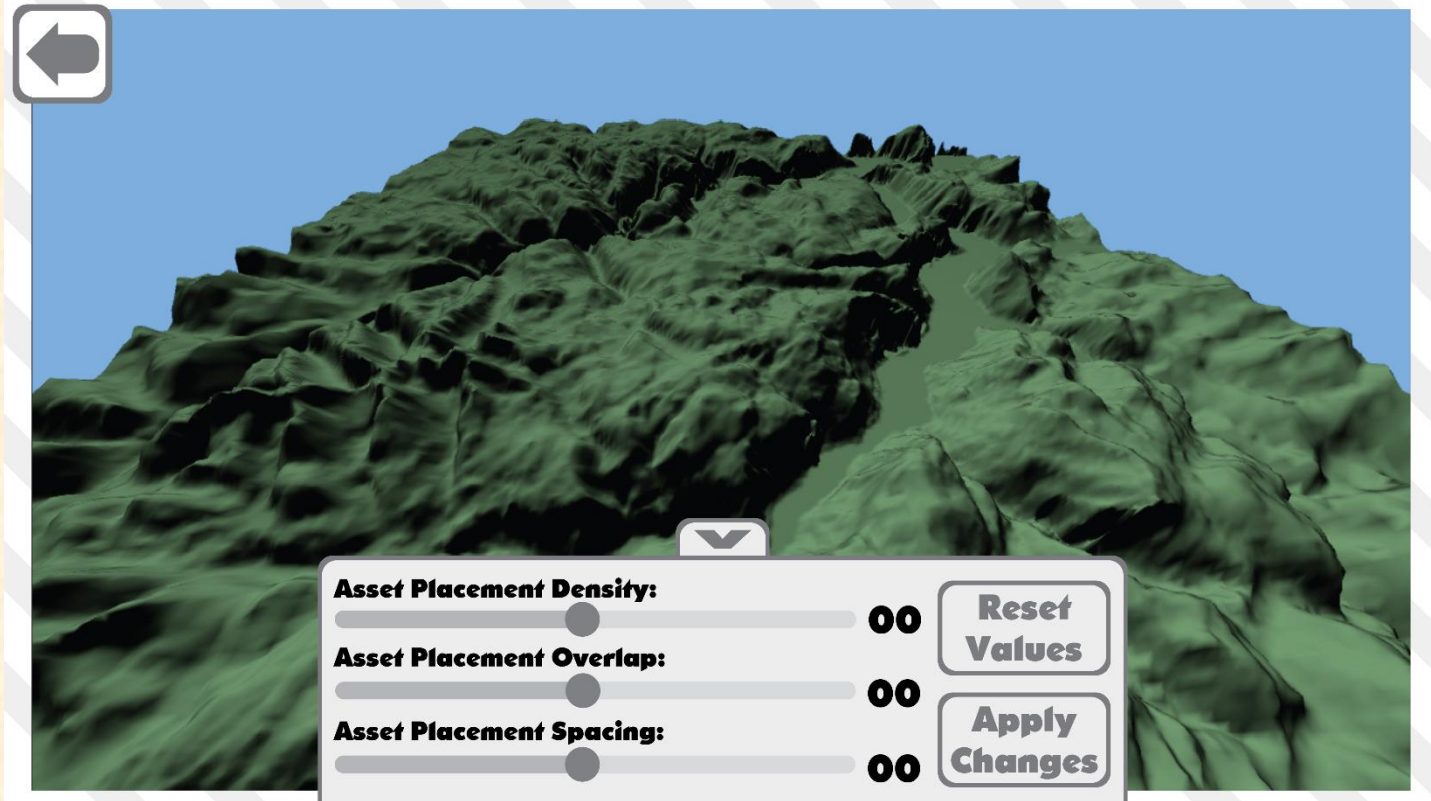
7

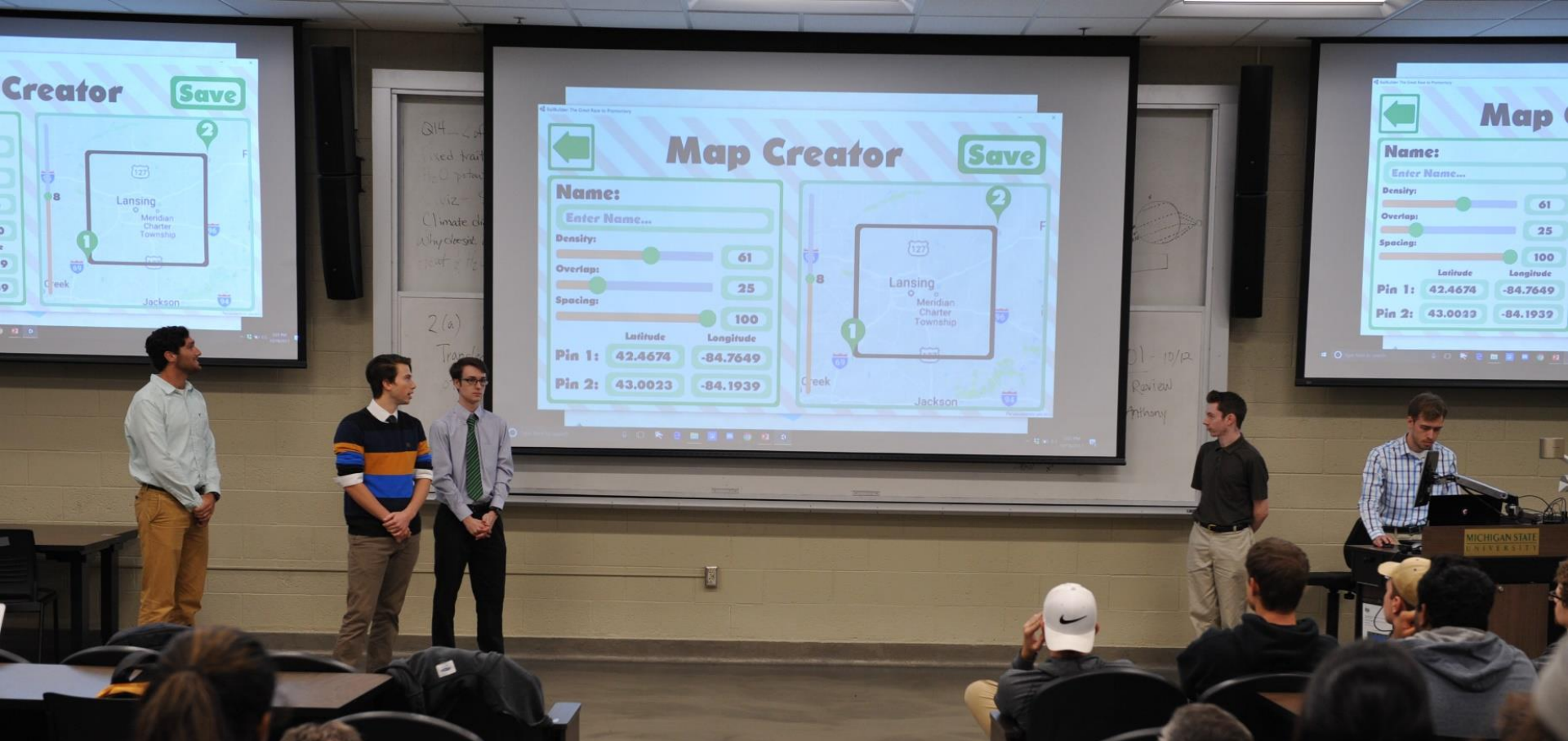
Team Union Pacific
Project Plan Presentation

Team Union Pacific Project Plan Presentation

2.

Screen Mockup






Team Union Pacific Alpha Presentation

Team Union Pacific Alpha Presentation


2.

Map Creator

RailBuilder: The Great Race to Promontory



Map Creator



Name:

Density:

61

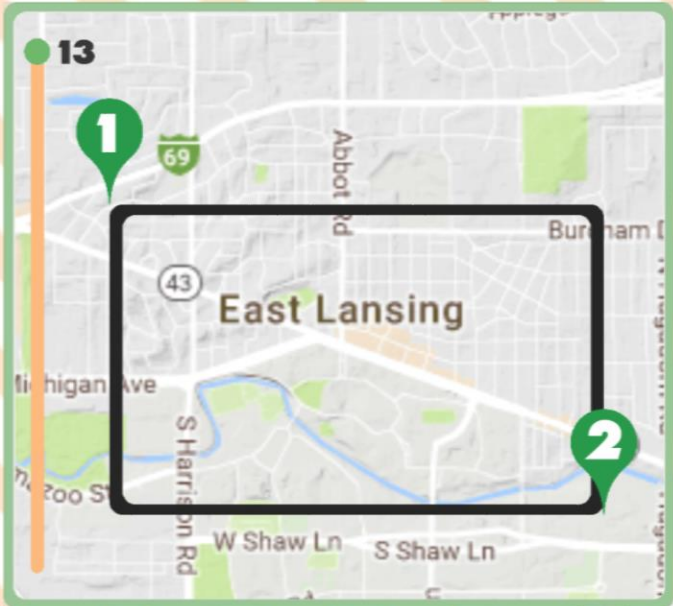
Overlap:

25

Spacing:

93

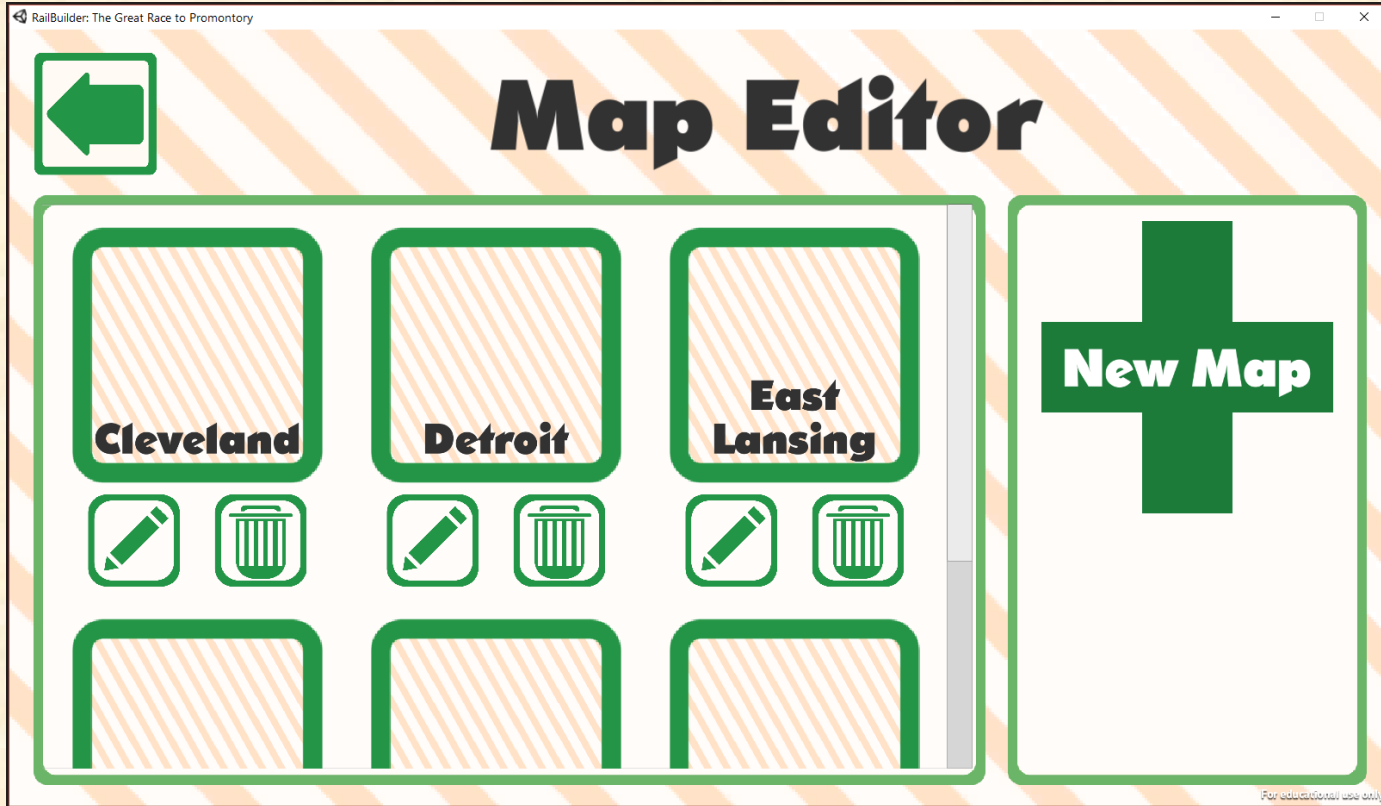
	Latitude	Longitude
Pin 1:	42.742	-84.495
Pin 2:	42.727	-84.472



Team Union Pacific Alpha Presentation

a.

Map Editor





Team Union Pacific Alpha Presentation

Team Union Pacific Alpha Presentation

2.

Map Viewer



The Capstone Experience






Team Union Pacific Beta Presentation

Team Union Pacific Beta Presentation


2.

Map Creator

RailBuilder: The Great Race to Promontory



Map Creator



Name:

Density:

50

Texture Smoothing:

1

Elevation Smoothing:

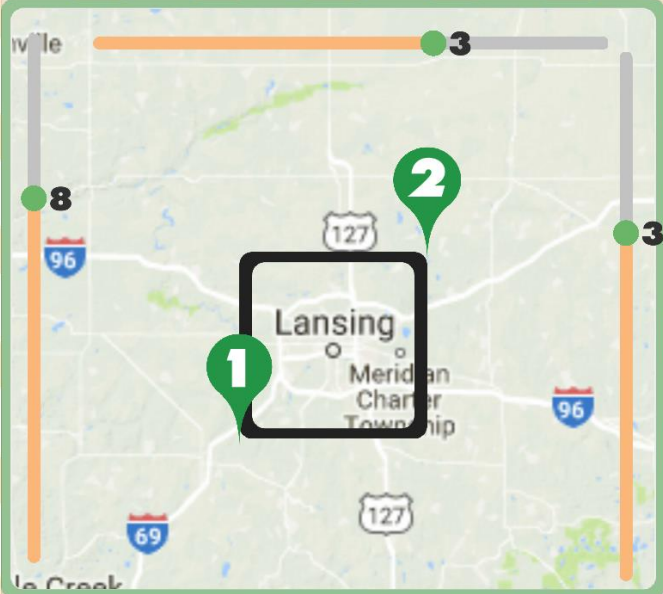
5

Latitude

Longitude

Pin 1:

Pin 2:

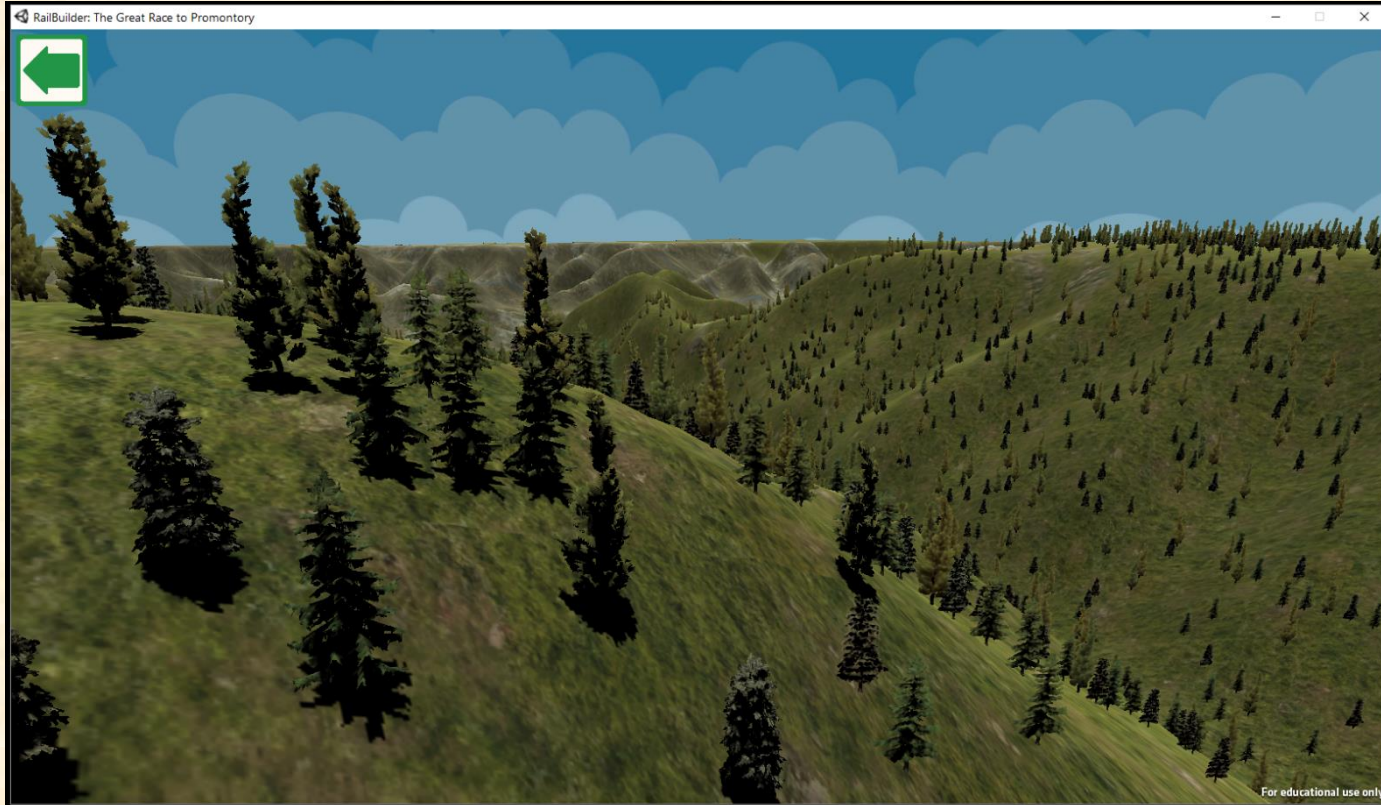


For educational use only

Team Union Pacific Beta Presentation

2.

Realistic Terrain Generation



The Capstone Experience



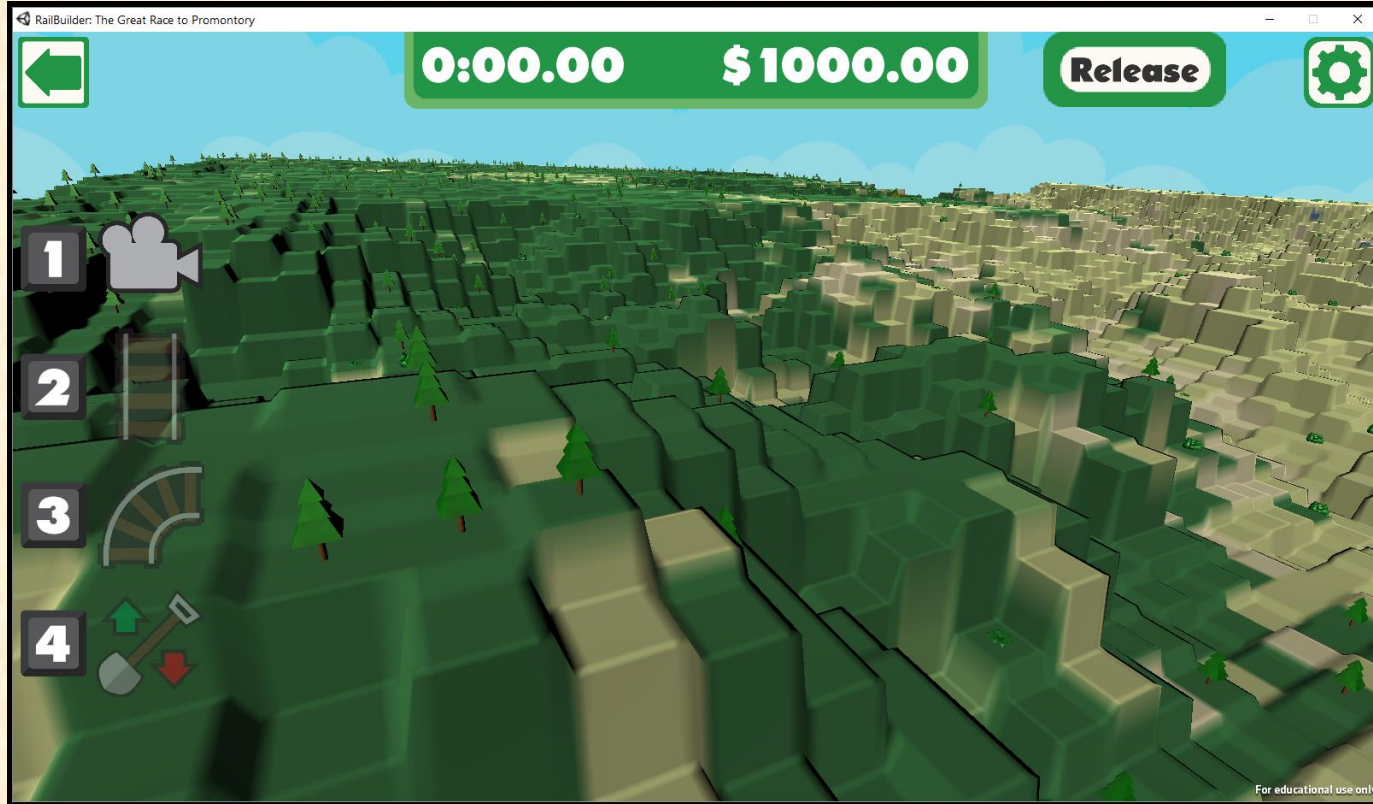


Team Union Pacific Beta Presentation

Team Union Pacific Beta Presentation

2.

Game Terrain Generation



The Capstone Experience





Team Union Pacific
Design Day

MICHIGAN STATE
UNIVERSITY

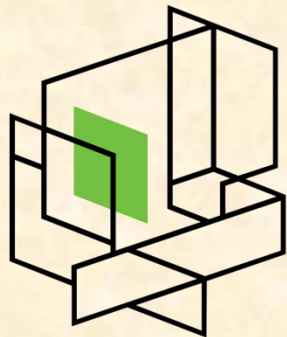
The Capstone Experience

Team Urban Science

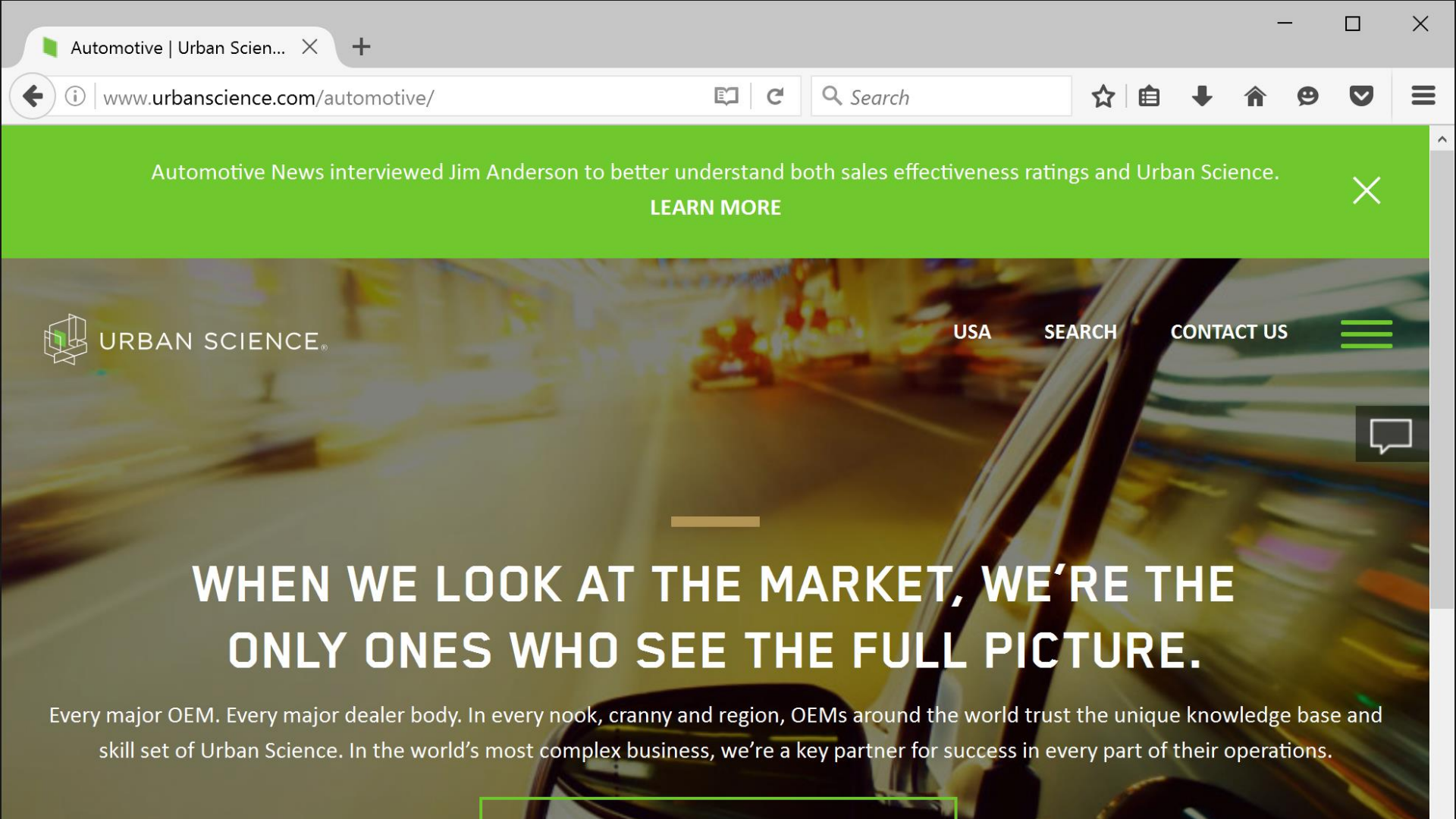
Department of Computer Science and Engineering
Michigan State University
Fall 2017



*From Students...
...to Professionals*



URBAN SCIENCE™



URBAN SCIENCE®

USA

SEARCH

CONTACT US



WHEN WE LOOK AT THE MARKET, WE'RE THE ONLY ONES WHO SEE THE FULL PICTURE.

Every major OEM. Every major dealer body. In every nook, cranny and region, OEMs around the world trust the unique knowledge base and skill set of Urban Science. In the world's most complex business, we're a key partner for success in every part of their operations.

Automotive News interviewed Jim Anderson to better understand both sales effectiveness ratings and Urban Science.

LEARN MORE



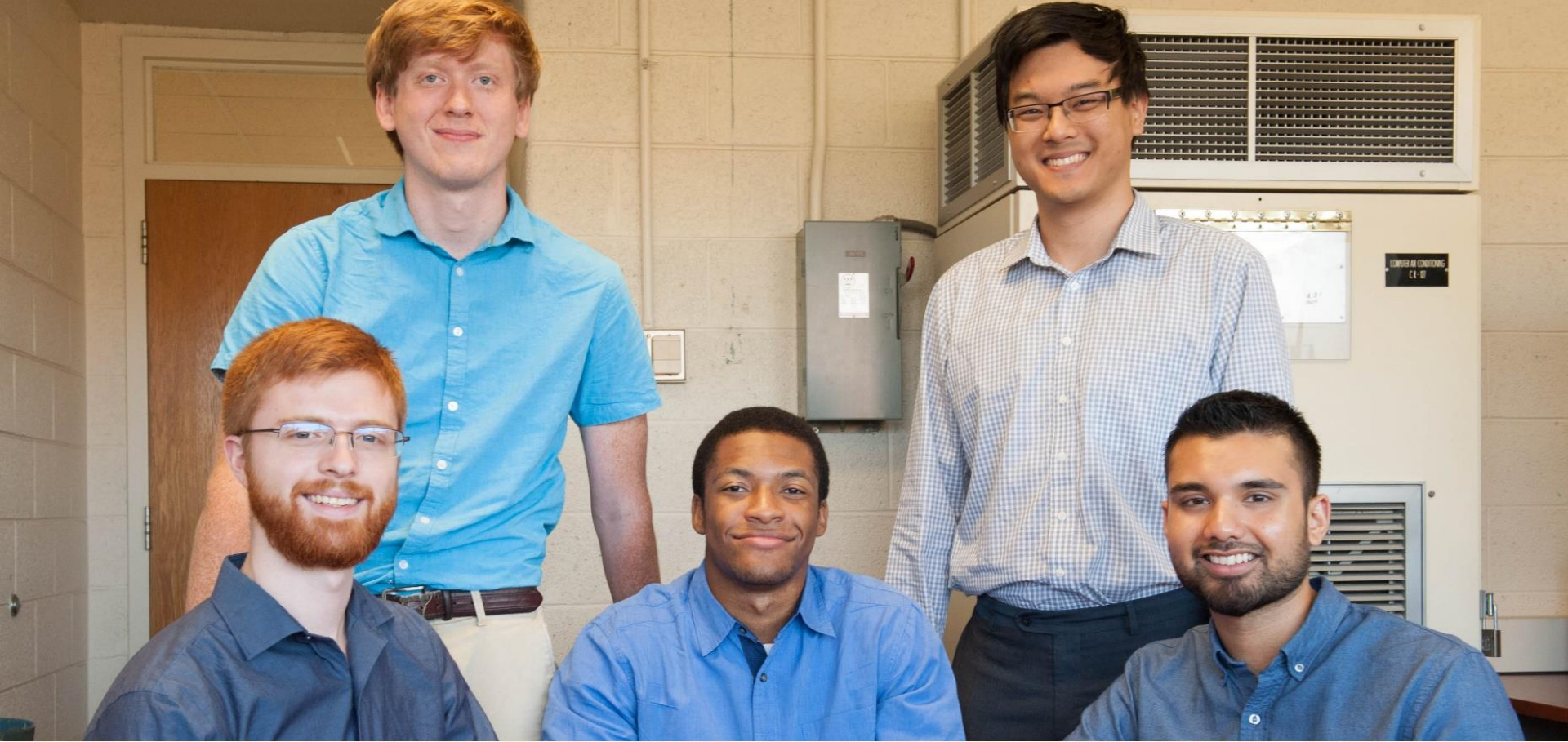
Team Urban Science Project Overview

VDA: Virtual Dealership Advisor

- Functionalities
 - Answer User Free-Form Speech Input Question
 - By Correlating Question with Key Performance Indicators (KPIs)
- Features
 - Design and Build Mobile App
 - Visualize Selected KPIs
 - Show Actions Associated with Each KPI
 - Evaluate All Possible KPIs and Actions
 - Determine Best Answer to Question
- Technologies
 - Apple iPads and iPhones (iOS) / Swift
 - Google Android Tablets and Phones / Java
 - Microsoft .NET Core 1.0
 - Microsoft Cognitive Services
 - Speech
 - Language
 - Knowledge
 - Search



URBAN SCIENCE.
Detroit, Michigan



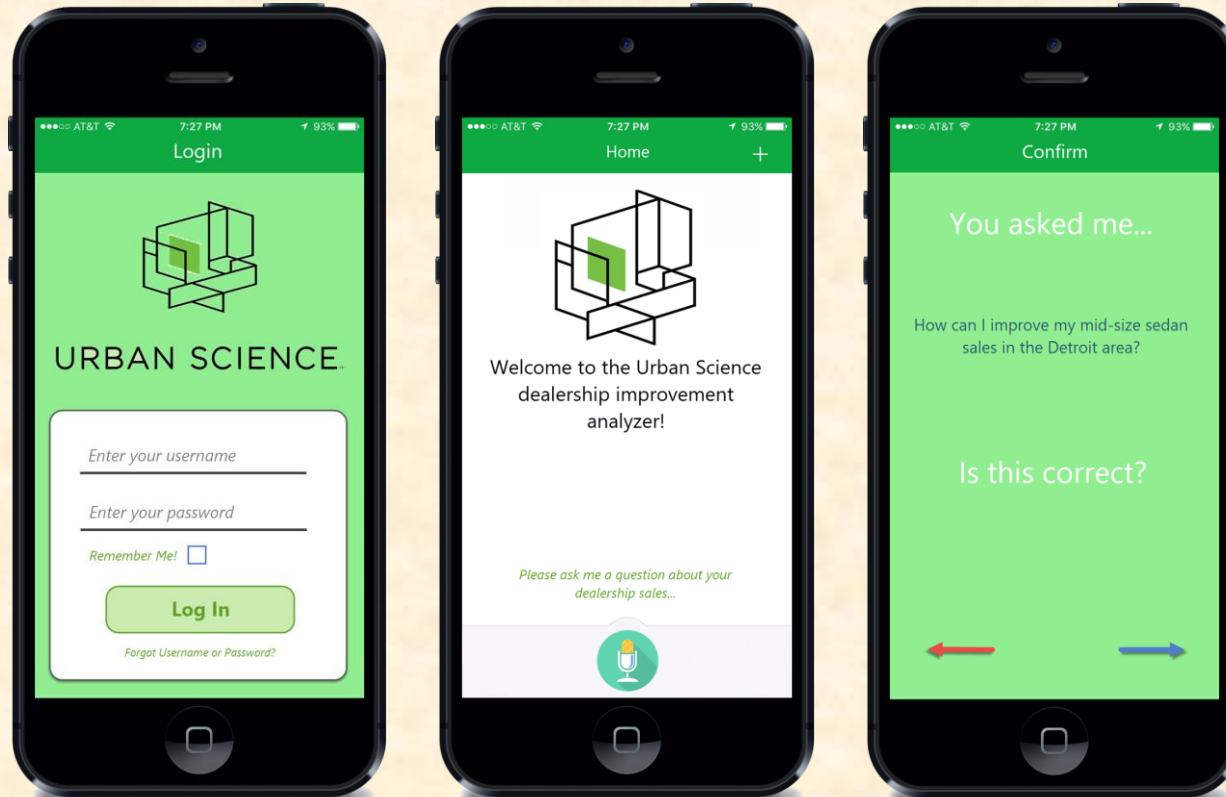
Team Urban Science

Will Renius, James Grenfell, Daniel Oforidankwa, Eric Zhou, Harry Singh

Team Urban Science Project Plan Presentation

2.

Screen Mockup



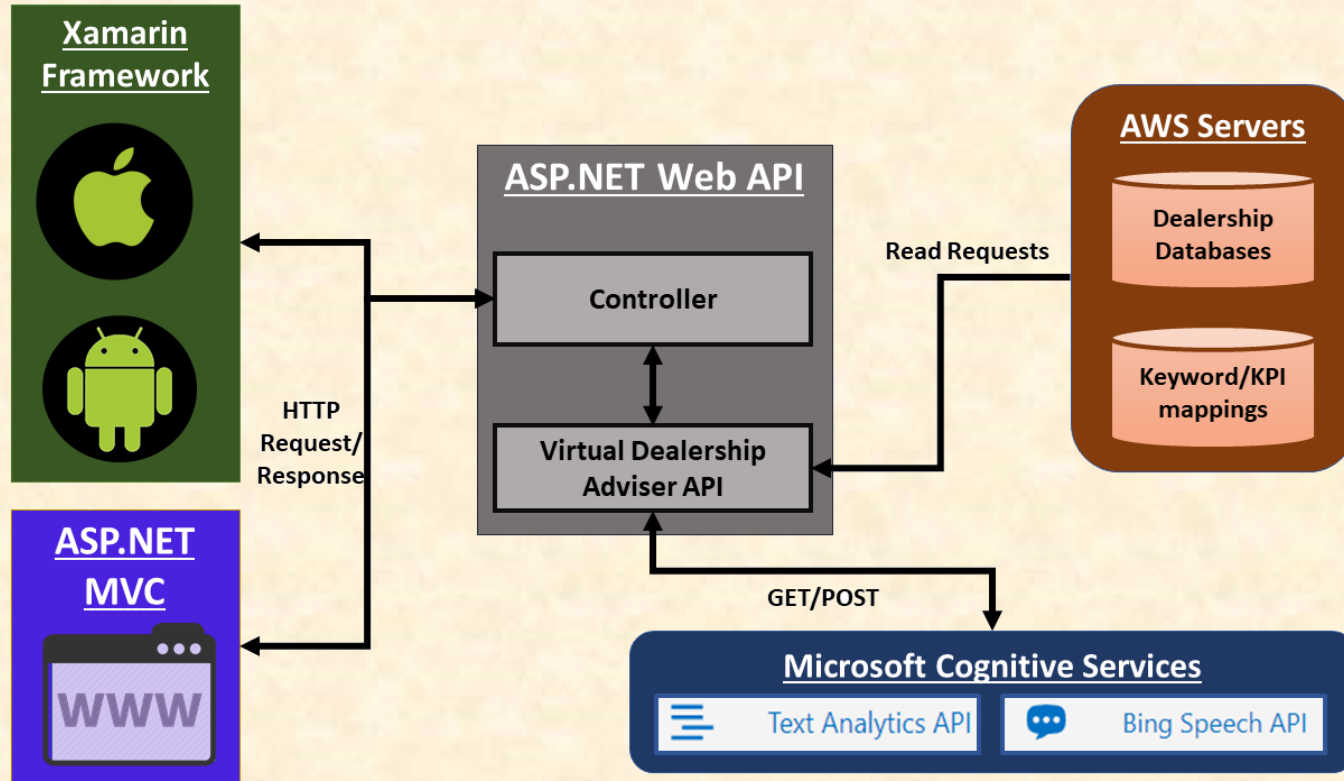


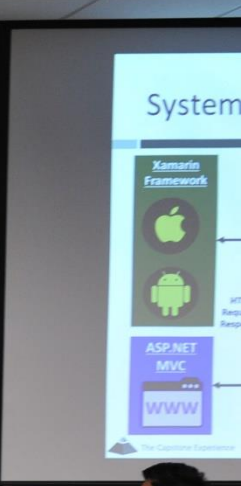
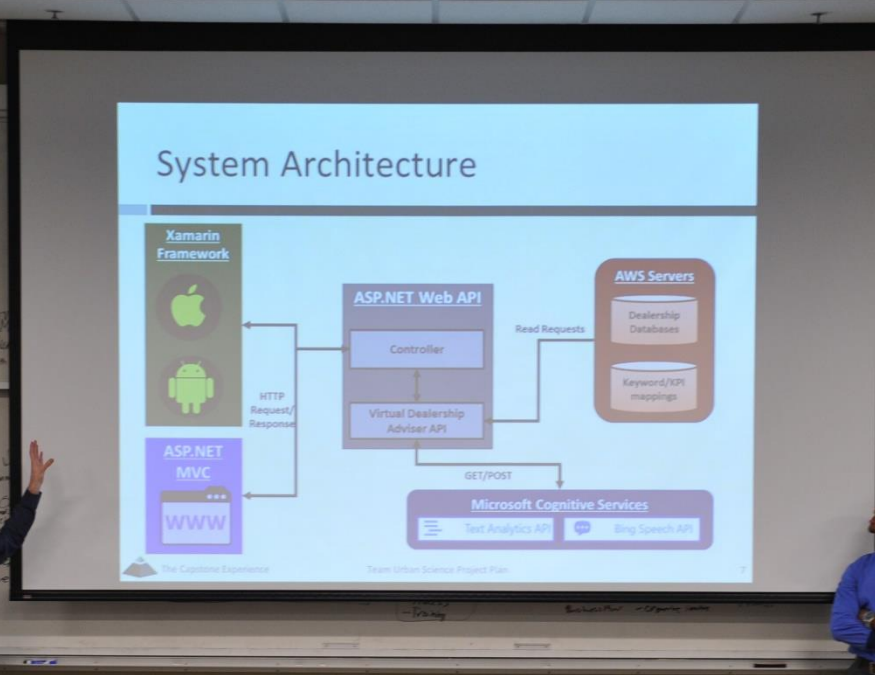
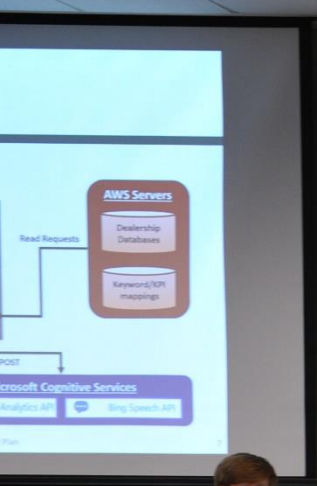
Team Urban Science Project Plan Presentation

Team Urban Science Project Plan Presentation

2.

Architecture Diagram



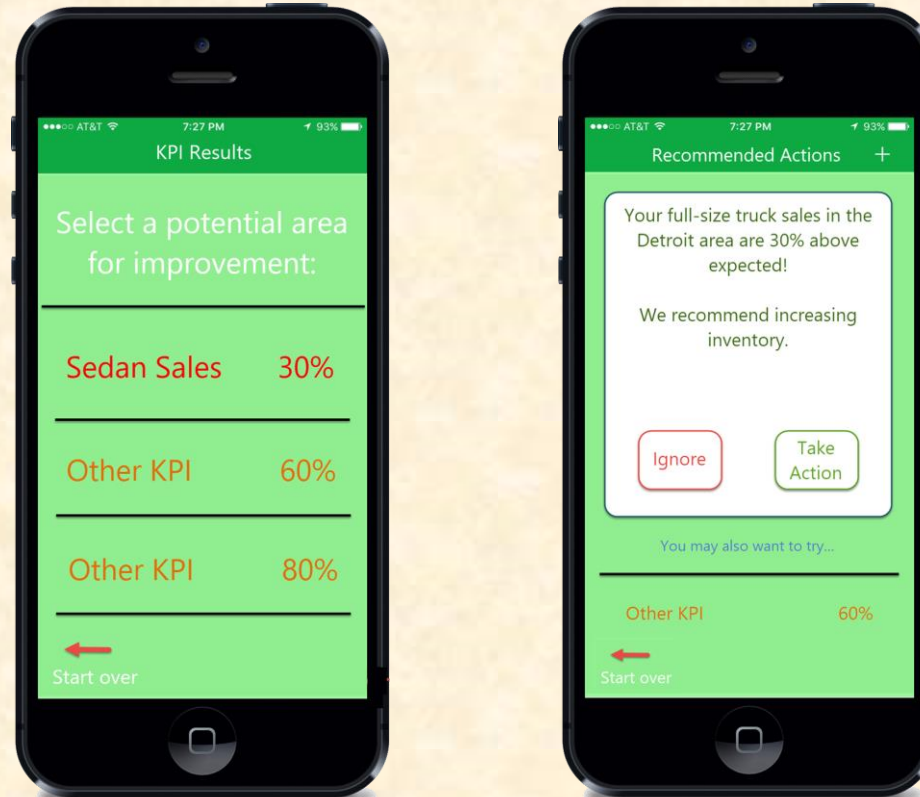


Team Urban Science Project Plan Presentation

Team Urban Science Project Plan Presentation

a.

Screen Mockup



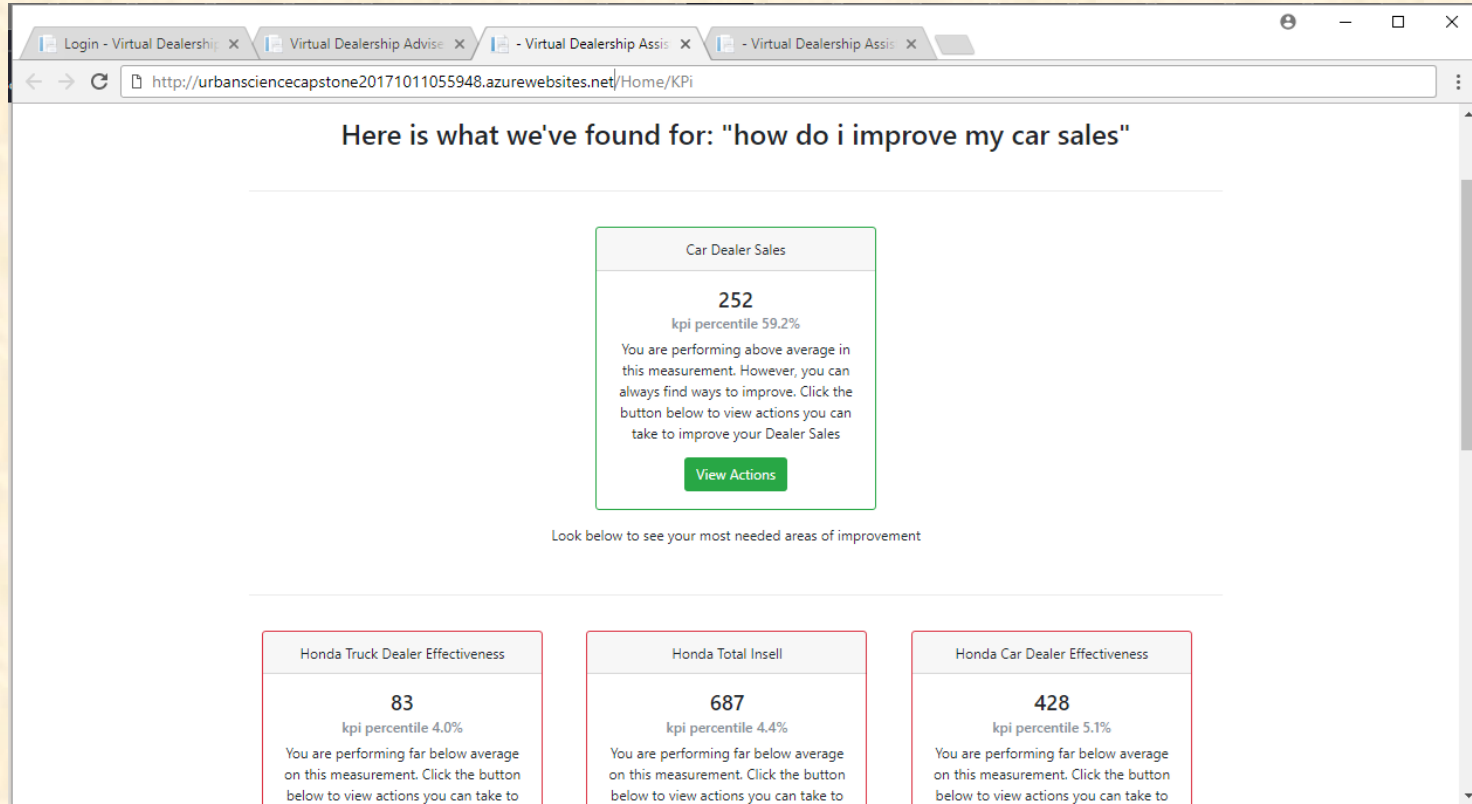


Team Urban Science Alpha Presentation

Team Urban Science Alpha Presentation

2.

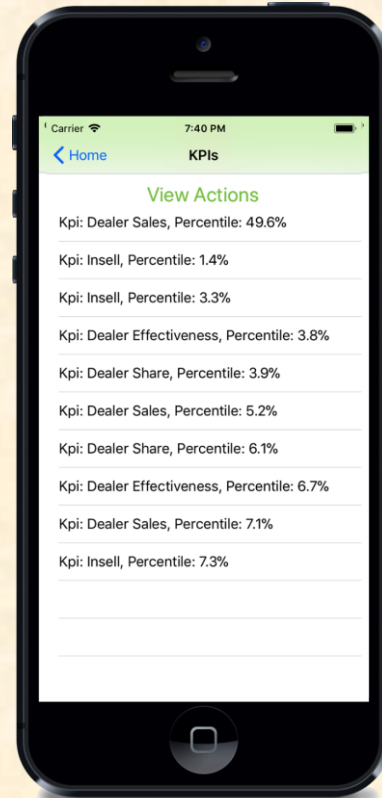
KPI Page (Web App)

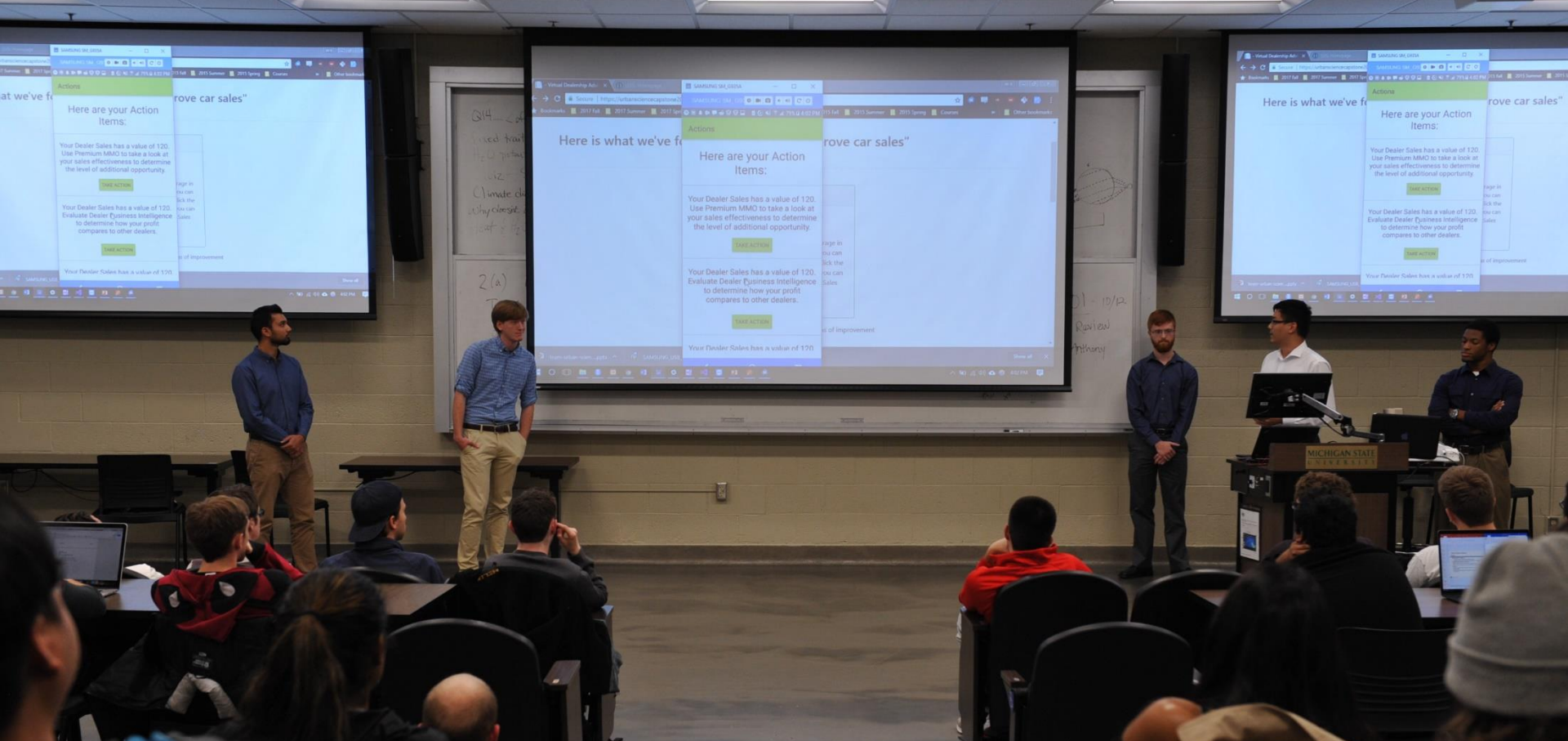


Team Urban Science Alpha Presentation

2.

KPI Page (iOS)



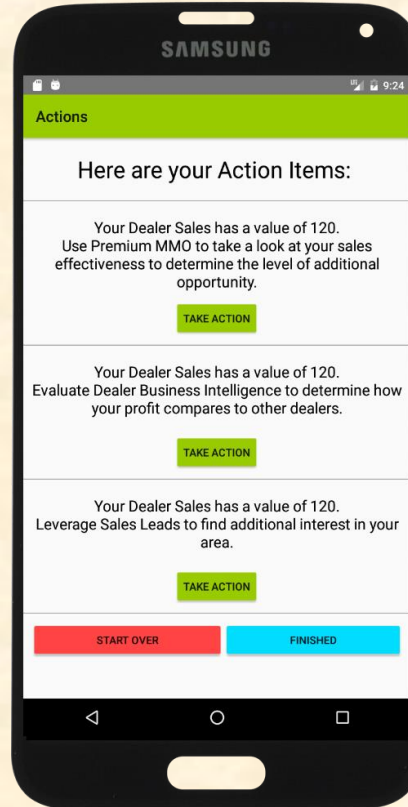


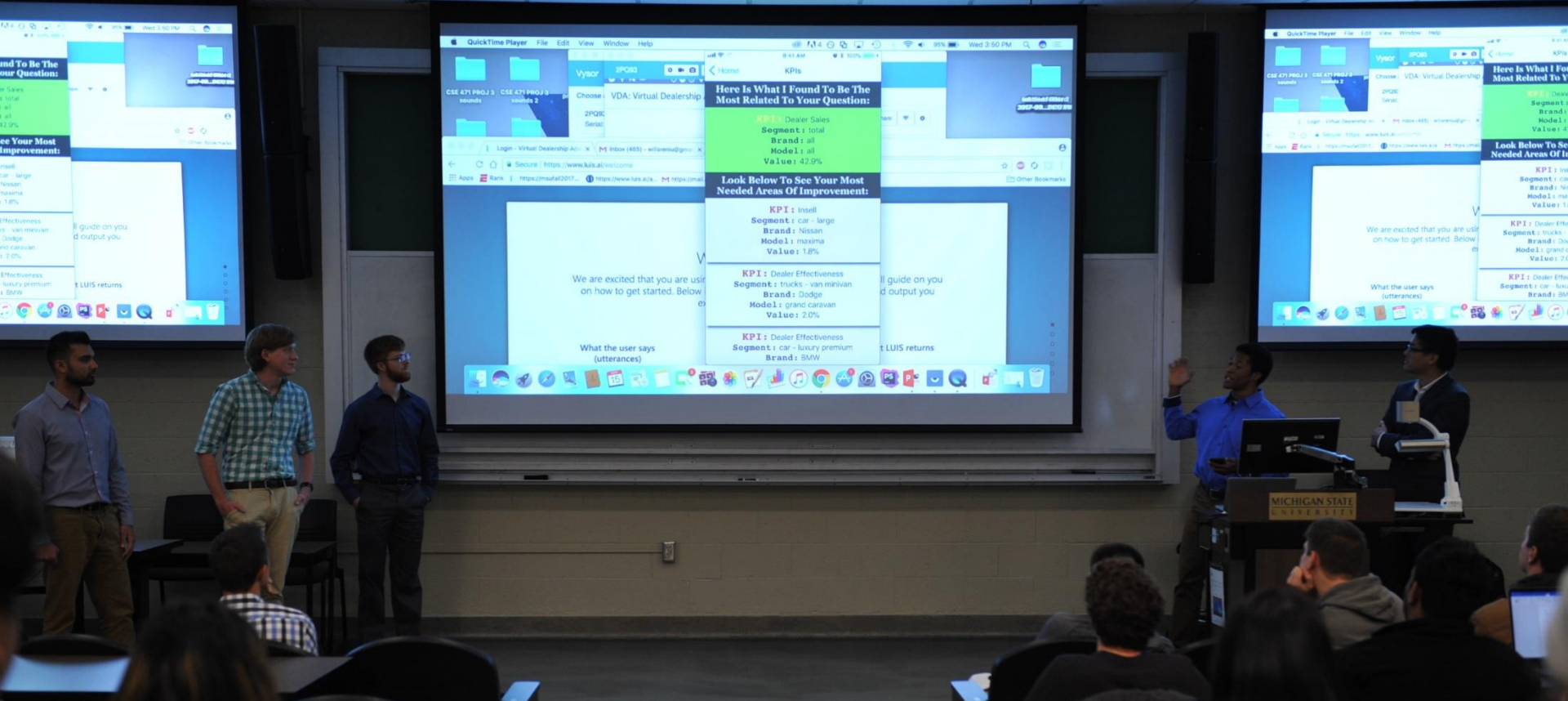
Team Urban Science Alpha Presentation

Team Urban Science Alpha Presentation

2.

Action Page (Android)



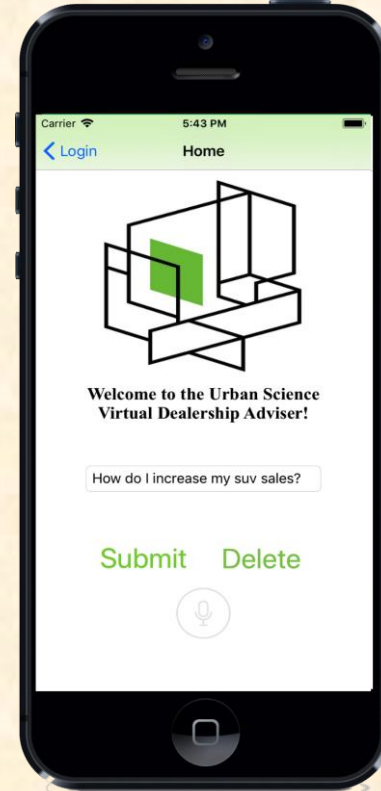
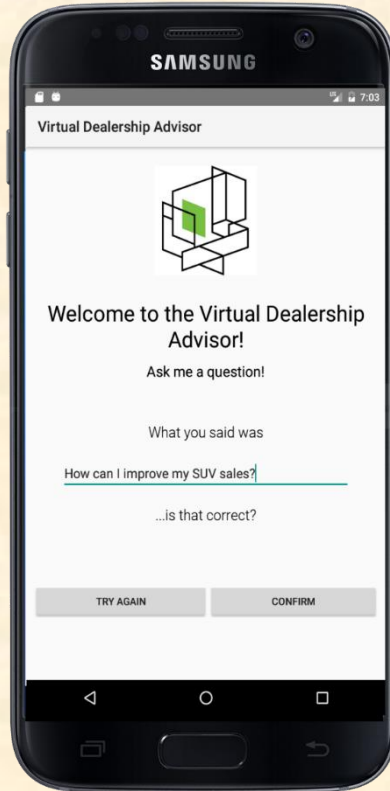


Team Urban Science Beta Presentation

Team Urban Science Beta Presentation

2.

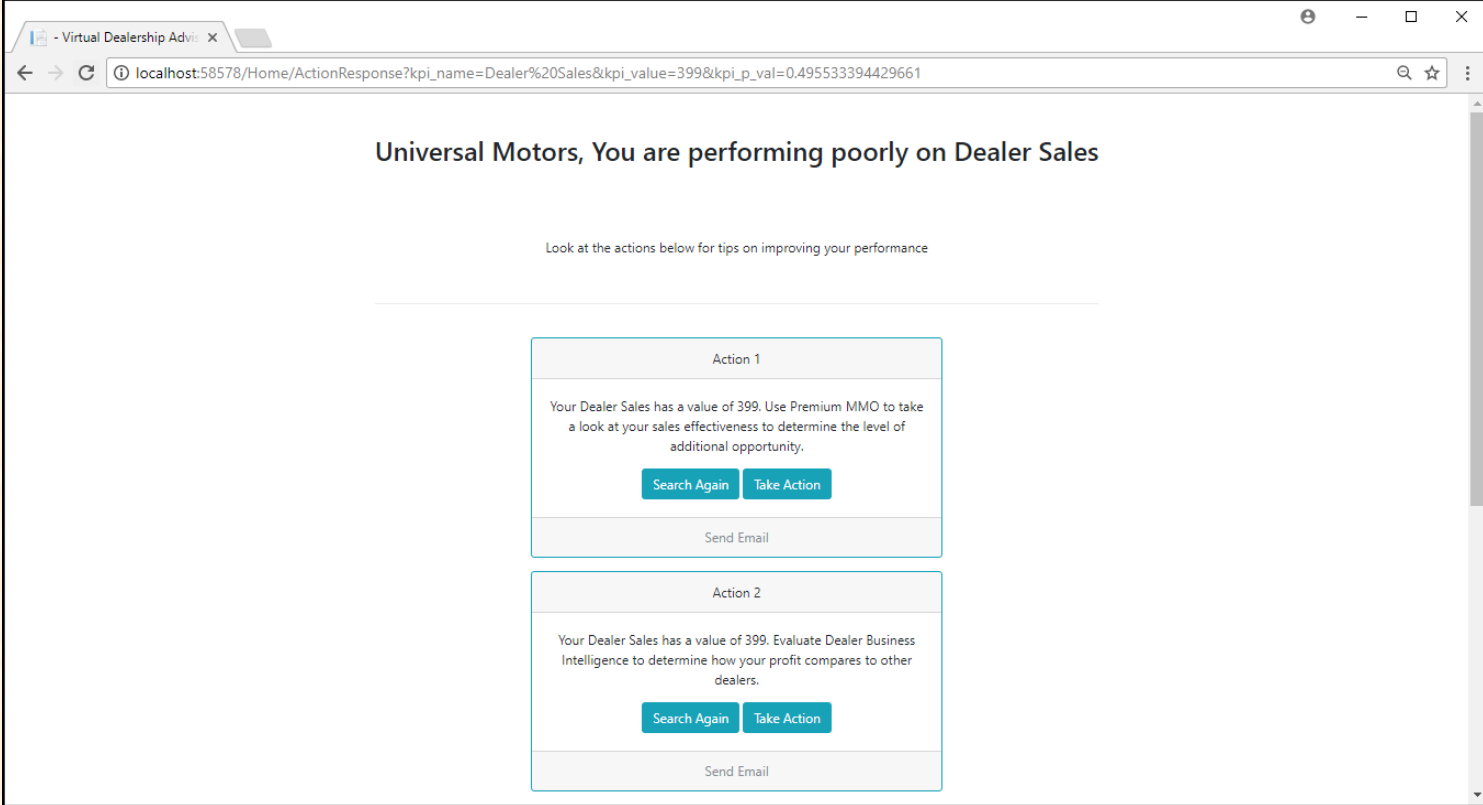
Home Screen (Android/iOS)



Team Urban Science Beta Presentation

2.

Actions Page (Web-App)



The screenshot shows a web browser window with the title "Virtual Dealership Advice". The address bar displays the URL: `localhost:58578/Home/ActionResponse?kpi_name=Dealer%20Sales&kpi_value=399&kpi_p_val=0.495533394429661`. The main content area has a heading "Universal Motors, You are performing poorly on Dealer Sales" and a subtext "Look at the actions below for tips on improving your performance". Below this, there are two action cards. Each card contains a title, a paragraph of feedback, two buttons ("Search Again" and "Take Action"), and a "Send Email" link.

Virtual Dealership Advice x

localhost:58578/Home/ActionResponse?kpi_name=Dealer%20Sales&kpi_value=399&kpi_p_val=0.495533394429661

Universal Motors, You are performing poorly on Dealer Sales

Look at the actions below for tips on improving your performance

Action 1

Your Dealer Sales has a value of 399. Use Premium MMO to take a look at your sales effectiveness to determine the level of additional opportunity.

[Search Again](#) [Take Action](#)

[Send Email](#)

Action 2

Your Dealer Sales has a value of 399. Evaluate Dealer Business Intelligence to determine how your profit compares to other dealers.

[Search Again](#) [Take Action](#)

[Send Email](#)

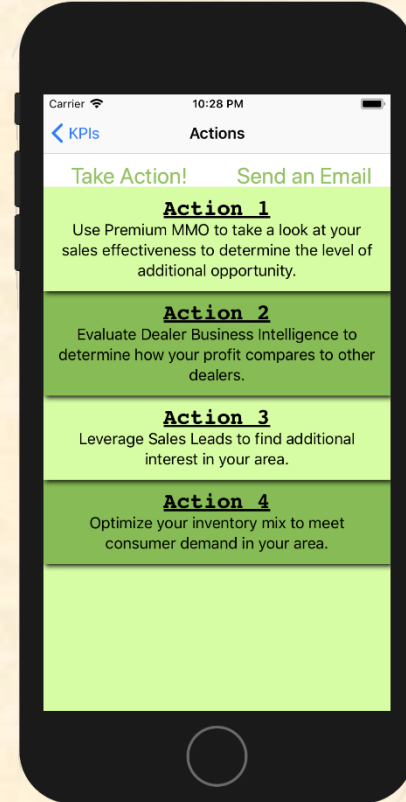
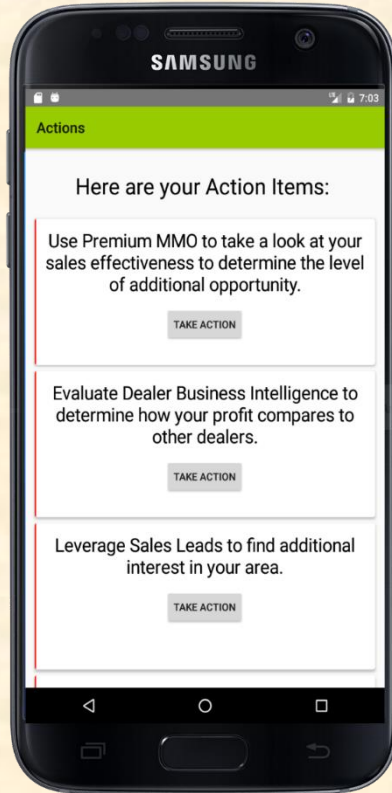


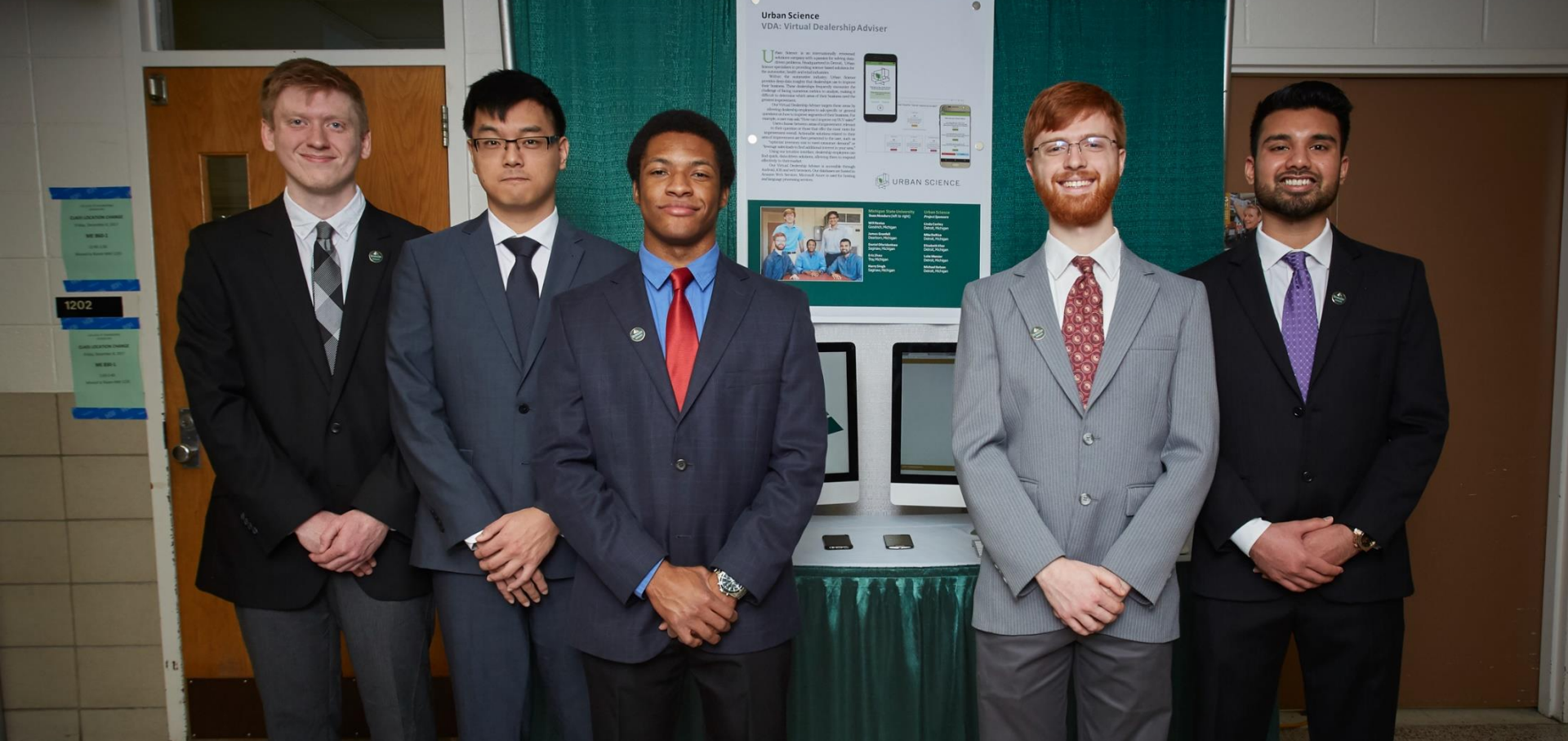
Team Urban Science Beta Presentation

Team Urban Science Beta Presentation

2.

Actions Page (Android/iOS)





Team Urban Science
Design Day

MICHIGAN STATE
UNIVERSITY

The Capstone Experience

Team Yello

Department of Computer Science and Engineering
Michigan State University
Fall 2017



*From Students...
...to Professionals*

yello



Campus Recruiting

Complete solution for robust campus recruiting teams

REQUEST A DEMO



Accurately report on the effectiveness of your campus recruiting efforts to make data-driven decisions on where to recruit in the future and why.

Team Yello

Project Overview

Automatic Resume Verification

- Functionalities
 - Verify Resume Information
 - Automatically and Instantly
- Features
 - Design and Build Two Web Apps
 - For Universities and Workplaces to Upload Credentials
 - For Candidates to Upload Resumes
 - Ensure Security and Privacy
 - Proof of Source
 - Proof of Existence / Timestamp
 - Proof of Work / Education / Military Service
 - Store and Access Credentials Using a Blockchain
 - Notify Candidates When Credentials Uploaded
 - Verify Resume Information Upon Uploading
 - Inform Recruiters re Resume Accuracy
- Technologies
 - Ruby on Rails
 - Blockchain
 - Transactional APIs



yello

Chicago, Illinois

The Capstone Experience





Team Yello

Wan Kim, Nathaniel Hagan, Giorgio Maroki, Brandon Burt, Ryan Nagy

Team Yello

Project Plan Presentation

a.

Screen Mockup

Verify Portal - Main

http://verification.yello.co/credentialupload

University Credential Upload

Welcome, [university/workplace!](#)

Please Upload Credentials

Add Field

First Name John

Last Name Doe

e.g. GPA e.g. 3.65

Upload

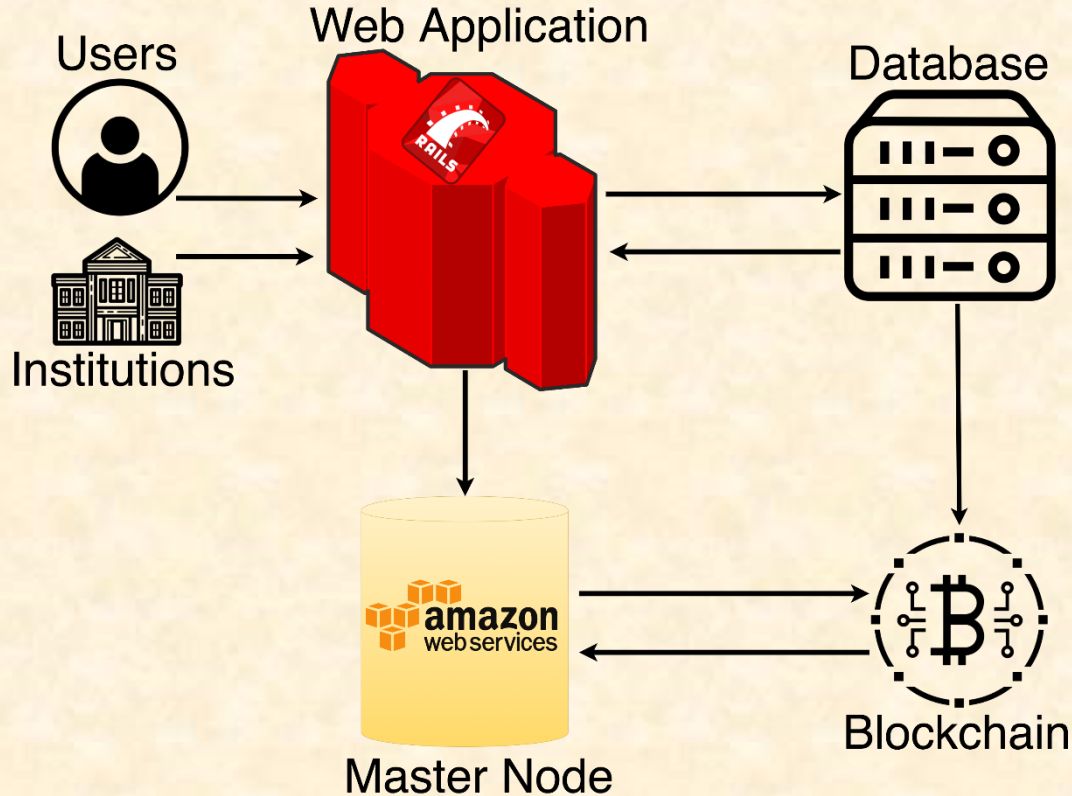


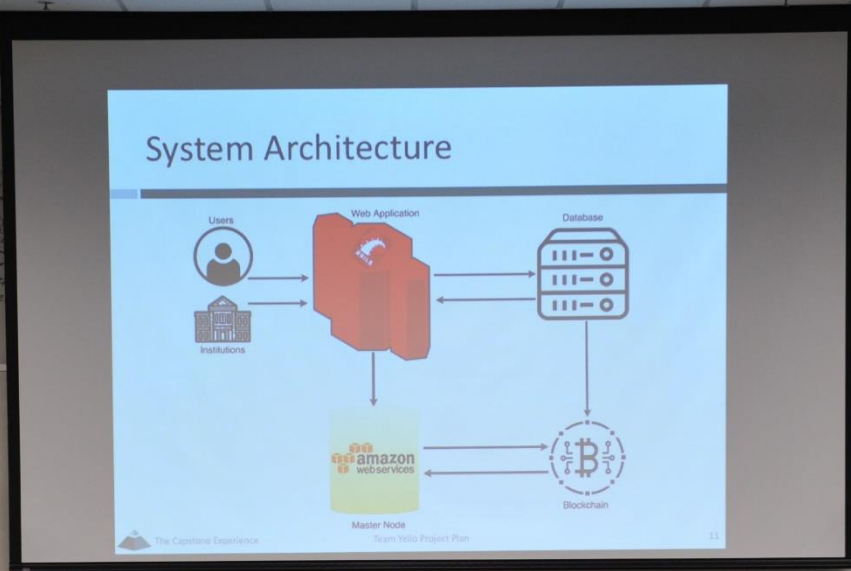
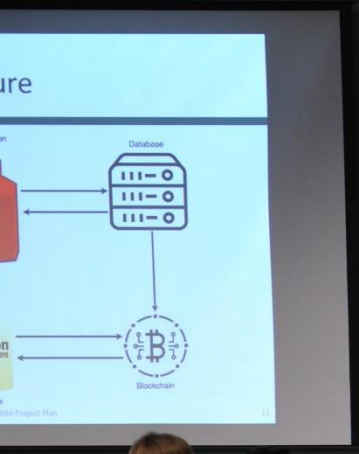
Team Yello Project Plan Presentation

Team Yello Project Plan Presentation

2.

Architecture Diagram



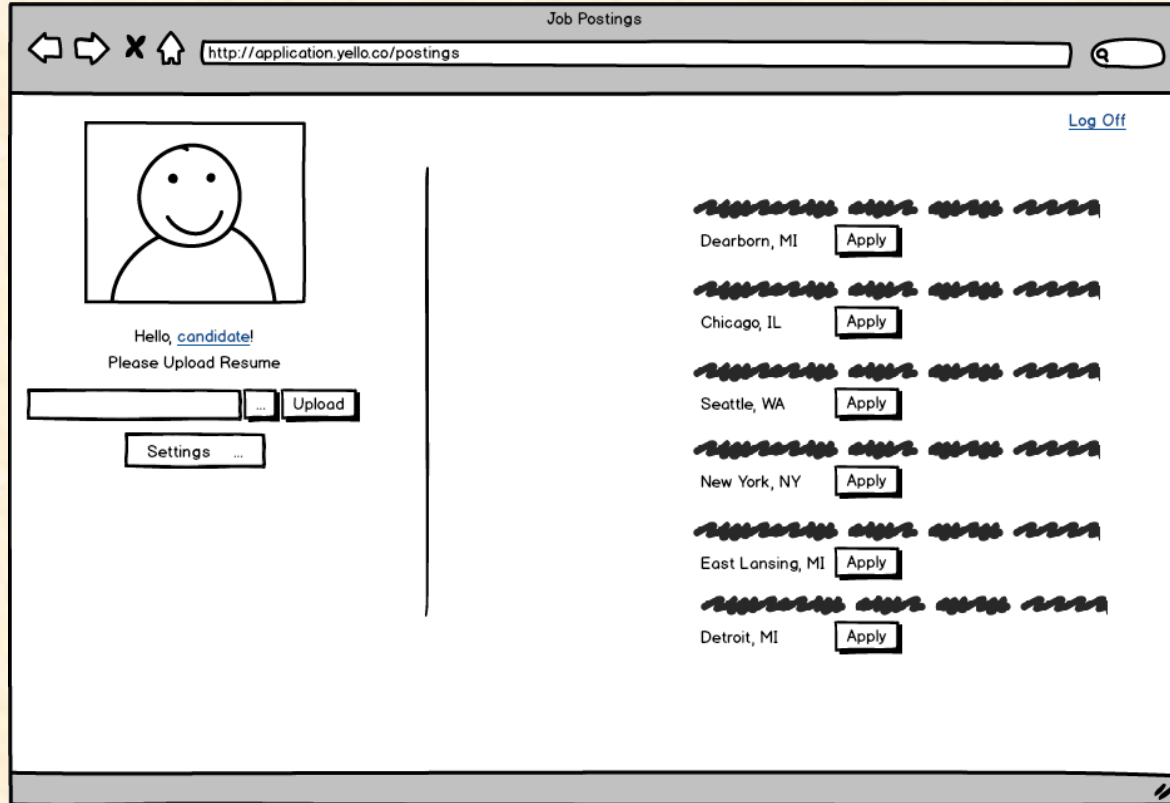


Team Yello
Project Plan Presentation

Team Yello Project Plan Presentation

2.

Screen Mockup



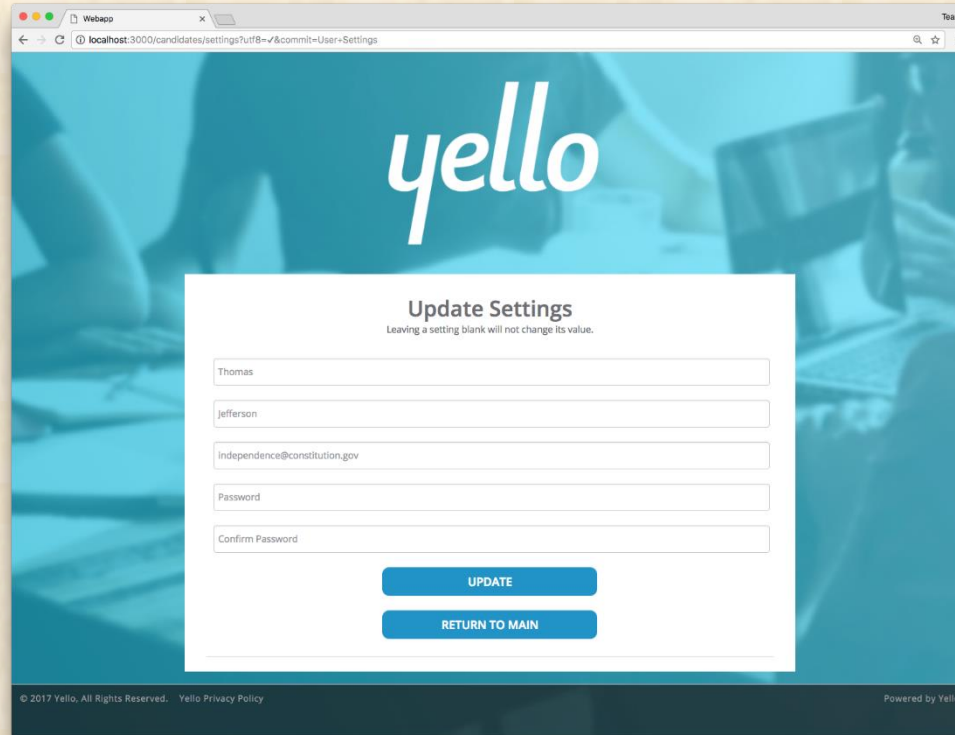


Team Yello Alpha Presentation

Team Yello Alpha Presentation

2.

Candidate Settings



The screenshot shows a web browser window with the URL `localhost:3000/candidates/settings?utf8=✓&commit=User+Settings`. The page features the 'yello' logo at the top. Below the logo is a white form titled 'Update Settings' with the subtitle 'Leaving a setting blank will not change its value.' The form contains five input fields: 'Thomas', 'Jefferson', 'Independence@constitution.gov', 'Password', and 'Confirm Password'. At the bottom of the form are two blue buttons: 'UPDATE' and 'RETURN TO MAIN'. The footer of the page includes the copyright notice '© 2017 Yello. All Rights Reserved. Yello Privacy Policy' and the text 'Powered by Yello'.

Update Settings
Leaving a setting blank will not change its value.

Thomas

Jefferson

Independence@constitution.gov

Password

Confirm Password

UPDATE

RETURN TO MAIN

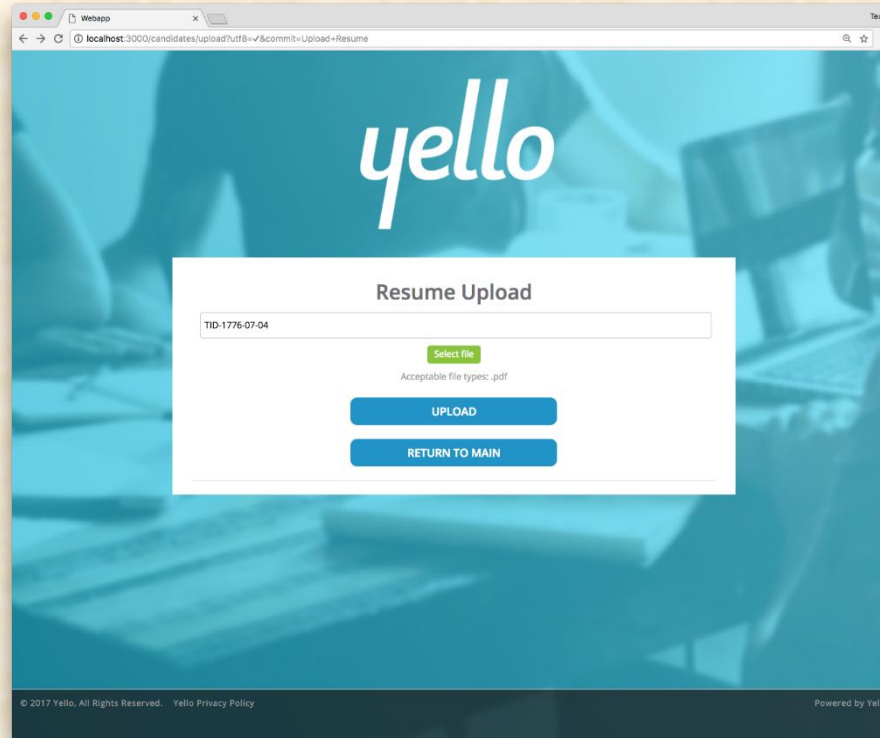
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Powered by Yello

Team Yello Alpha Presentation

2.

Resume Upload



The screenshot shows a web browser window with the URL `localhost:3000/candidates/upload?utf8=✓&commit=Upload+Resume`. The page features a blue header with the 'yello' logo. A white modal box titled 'Resume Upload' is centered on the page. Inside the modal, there is a text input field containing 'TID-1776-07-04'. Below the input field is a green 'Select file' button. Underneath the button, it says 'Acceptable file types: .pdf'. At the bottom of the modal are two blue buttons: 'UPLOAD' and 'RETURN TO MAIN'. The footer of the page contains the text '© 2017 Yello, All Rights Reserved. Yello Privacy Policy' on the left and 'Powered by Yello' on the right.

Resume Upload

TID-1776-07-04

Select file

Acceptable file types: .pdf

UPLOAD

RETURN TO MAIN

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Powered by Yello



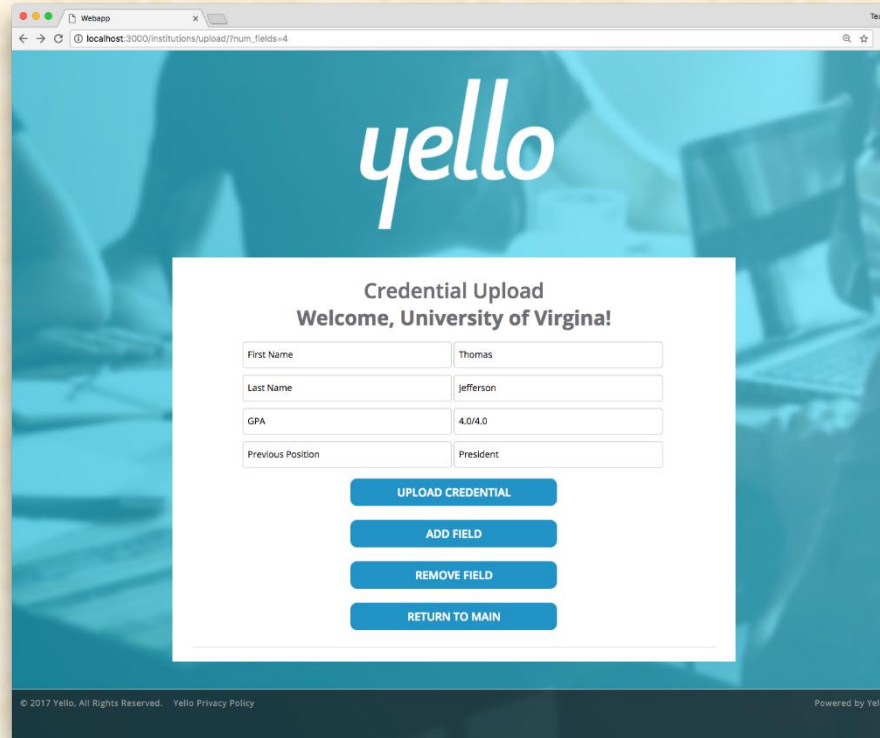
Team Yello Alpha Presentation

Team Yello

Alpha Presentation

2.

Credential Upload



The screenshot shows a web browser window with the URL `localhost:3000/institutions/upload/?num_fields=4`. The page features a blue header with the 'yello' logo. Below the header, a white box contains the title 'Credential Upload' and a welcome message 'Welcome, University of Virginia!'. The form includes four input fields for 'First Name' (Thomas), 'Last Name' (Jefferson), 'GPA' (4.0/4.0), and 'Previous Position' (President). Below the form are four blue buttons: 'UPLOAD CREDENTIAL', 'ADD FIELD', 'REMOVE FIELD', and 'RETURN TO MAIN'. The footer contains copyright information and a 'Powered by Yello' note.

Webapp x Team

localhost:3000/institutions/upload/?num_fields=4

yello

Credential Upload
Welcome, University of Virginia!

First Name	Thomas
Last Name	Jefferson
GPA	4.0/4.0
Previous Position	President

UPLOAD CREDENTIAL

ADD FIELD

REMOVE FIELD

RETURN TO MAIN

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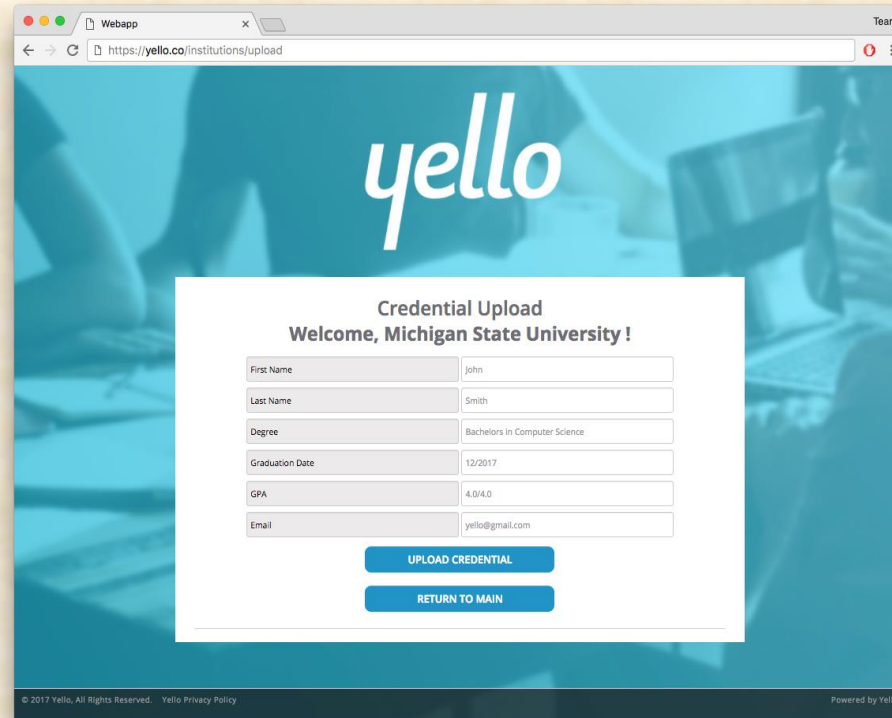


Team Yello Beta Presentation

Team Yello Beta Presentation

2.

Credential Upload



The screenshot shows a web browser window with the address bar displaying `https://yello.co/institutions/upload`. The page features a blue header with the 'yello' logo. Below the header, a white box contains the title 'Credential Upload' and a personalized welcome message 'Welcome, Michigan State University!'. A form with six input fields is displayed, containing the following data:

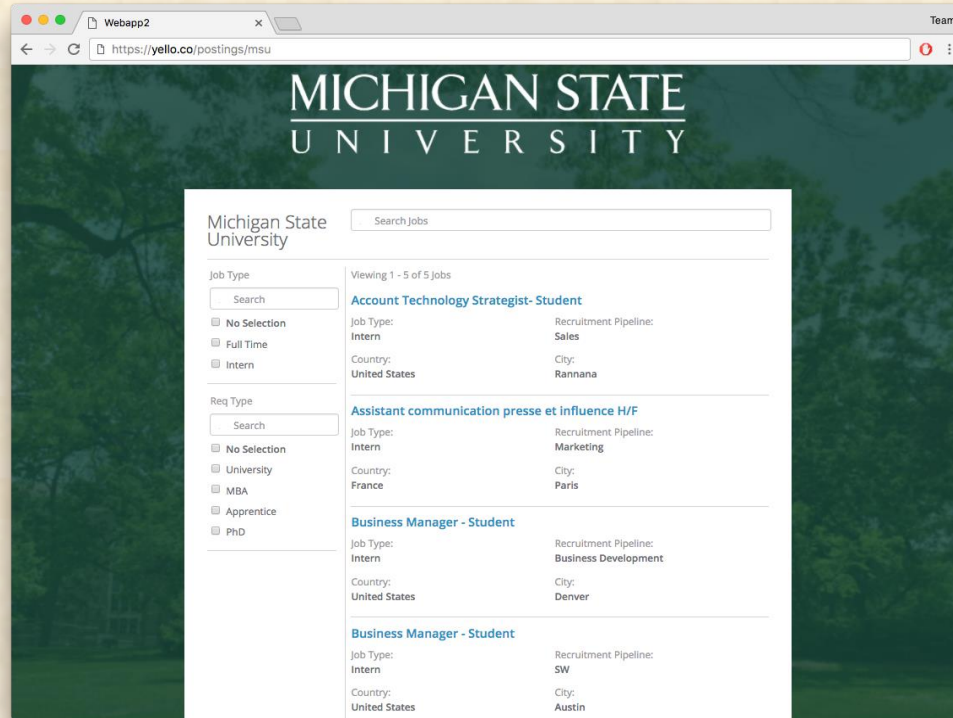
Field	Value
First Name	John
Last Name	Smith
Degree	Bachelors in Computer Science
Graduation Date	12/2017
GPA	4.0/4.0
Email	yello@gmail.com

Below the form are two blue buttons: 'UPLOAD CREDENTIAL' and 'RETURN TO MAIN'. The footer of the page includes the text '© 2017 Yello, All Rights Reserved. Yello Privacy Policy' on the left and 'Powered by Yello' on the right.

Team Yello Beta Presentation

2.

Candidate Application View



Michigan State University

Search Jobs

Job Type

Search

☐ No Selection

☐ Full Time

☐ Intern

Req Type

Search

☐ No Selection

☐ University

☐ MBA

☐ Apprentice

☐ PhD

Viewing 1 - 5 of 5 Jobs

Account Technology Strategist- Student

Job Type: Intern Recruitment Pipeline: Sales

Country: United States City: Rannana

Assistant communication presse et influence H/F

Job Type: Intern Recruitment Pipeline: Marketing

Country: France City: Paris

Business Manager - Student

Job Type: Intern Recruitment Pipeline: Business Development

Country: United States City: Denver

Business Manager - Student

Job Type: Intern Recruitment Pipeline: SW

Country: United States City: Austin

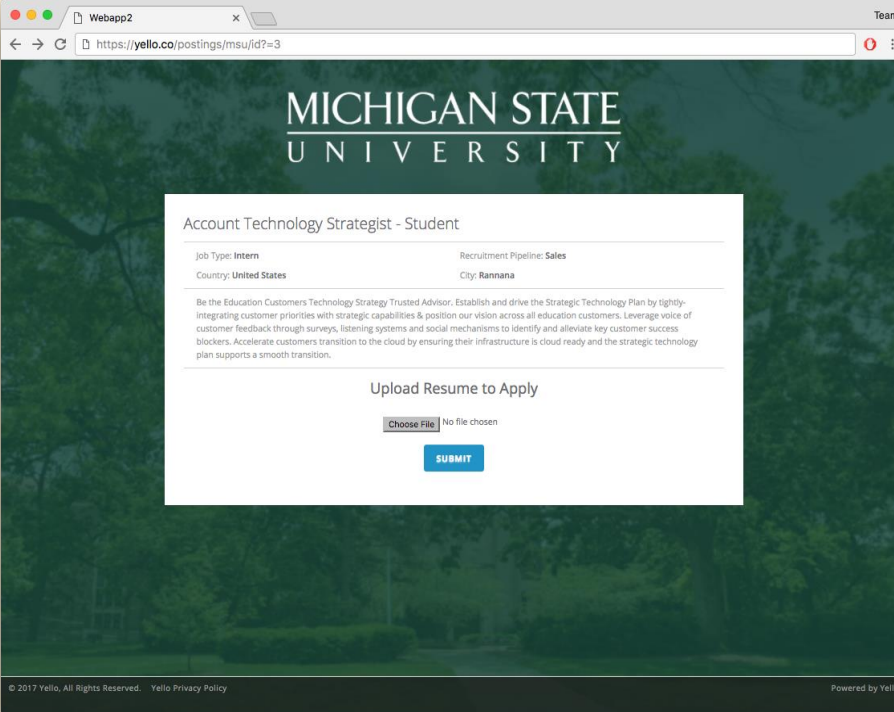


Team Yello Beta Presentation

Team Yello Beta Presentation

2.

Candidate Job Posting View



The screenshot shows a web browser window with the address bar displaying `https://yello.co/postings/msu/id?=3`. The page features a dark green background with a blurred image of a university campus. At the top, the text "MICHIGAN STATE UNIVERSITY" is displayed in a white, serif font. Below this, the job title "Account Technology Strategist - Student" is shown. The job details include "Job Type: Intern", "Recruitment Pipeline: Sales", "Country: United States", and "City: Rannana". A paragraph of text describes the role: "Be the Education Customers Technology Strategy Trusted Advisor. Establish and drive the Strategic Technology Plan by tightly-integrating customer priorities with strategic capabilities & position our vision across all education customers. Leverage voice of customer feedback through surveys, listening systems and social mechanisms to identify and alleviate key customer success blockers. Accelerate customers transition to the cloud by ensuring their infrastructure is cloud ready and the strategic technology plan supports a smooth transition." Below the text, there is a section titled "Upload Resume to Apply" with a "Choose File" button and a "SUBMIT" button. The footer of the page contains the text "© 2017 Yello, All Rights Reserved. Yello Privacy Policy" and "Powered by Yello".

MICHIGAN STATE
UNIVERSITY

Account Technology Strategist - Student

Job Type: Intern Recruitment Pipeline: Sales
Country: United States City: Rannana

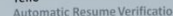
Be the Education Customers Technology Strategy Trusted Advisor. Establish and drive the Strategic Technology Plan by tightly-integrating customer priorities with strategic capabilities & position our vision across all education customers. Leverage voice of customer feedback through surveys, listening systems and social mechanisms to identify and alleviate key customer success blockers. Accelerate customers transition to the cloud by ensuring their infrastructure is cloud ready and the strategic technology plan supports a smooth transition.

Upload Resume to Apply

Choose File No file chosen

SUBMIT

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Team Yello Design Day

The Capstone Experience

Dr. Wayne Dyksen

Department of Computer Science and Engineering
Michigan State University
Fall 2017



*From Students...
...to Professionals*



The Capstone Experience Lab



The Capstone Experience Lab



The Capstone Experience Lab



The Capstone Experience Lab



The Capstone Experience Lab
View of Spartan Stadium

MICHIGAN STATE
UNIVERSITY

The Capstone Experience

Design Day Award Winners

April 28, 2017



*From Students...
...to Professionals*



All-Hands
Design Day, April 28, 2017



Auto-Owners Exhibition Award

Team TechSmith, Spring 2017

Teacher's Virtual Toolbelt

Alex Crimin, Zeke Zandbergen, Yang He, Ryan Cornillie

Presented by Scott Lake of Auto-Owners Insurance



MSU Federal Credit Union Praxis Award

Team Union Pacific, Spring 2017

Learning New Train Routes

Matthew Schleusener, Kangjie Mi, Nick Summers, Jon Wild

Presented by Liam Petraska of MSU Federal Credit Union



TechSmith Screencast Award

Team Amazon, Spring 2017

ACRA: Amazon Customer Review Analyzer

Jie Wan, Jason Liu, Ian Whalen, Ankit Luthra, Tess Huelskamp

Presented by Wendy Hamilton of TechSmith



Urban Science Sigma Award

Team Michigan State University, Spring 2017

CATALyst: Mapping CATA Buses in Real-Time

Charlie Ward, Cathy Dinsmoor, Tom Beaver, Jimmy Mkude, James Dodge

Presented by Linda Koepp and Luke Mercier of Urban Science

MICHIGAN STATE
UNIVERSITY


The Capstone Experience

Design Day Award Winners

December 8, 2017



*From Students...
...to Professionals*



Auto-Owners Exhibition Award Team Amazon, Fall 2017

Faia: Fashion Artificial Intelligence Assistant

David He, Dominic Zottolo, Zizhen Wang, Danielle Schugars, Nikhil Ramu

Presented by Ross Hacker and Scott Lake of Auto-Owners Insurance



MSU Federal Credit Union Praxis Award

Team Yello, Fall 2017

Automatic Resume Verification

Brandon Burt, Ryan Nagy, Giorgio Maroki, Nathaniel Hagan, Wan Kim

Presented by April Clobes of MSU Federal Credit Union

MICHIGAN STATE
UNIVERSITY



College of Engineering
MICHIGAN STATE UNIVERSITY

MICHIGAN STATE
UNIVERSITY

MICHIGAN
Des
COLLEGE C

Day
ERING

TechSmith Screencast Award

Team Union Pacific, Fall 2017

RailBuilder: The Great Race to Promontory

Declan McClintock, Jacob Young, Zachary Brenz, Kyle Bush, Trevor Daniels

Presented by Matt Dupuis of TechSmith



Urban Science Sigma Award

Team Michigan State University, Fall 2017

SEA: Spartan Experience App

Nayana Kodur, Patrick Pale, Roy Perryman, Ryan Johnson, Scott Swarthout

Presented by Elizabeth Klee of Urban Science

<tbm-team-placeholder>

Do not delete this textbox.

It's used as a marker in VB code.

See VB Module UTL_TextBoxMarkerSetZOrder.

Keep this slide here. It's a placeholder for the beginning of the Team Sponsor Logos section.

MICHIGAN STATE
UNIVERSITY

The Capstone Experience

Dr. Wayne Dyksen

Department of Computer Science and Engineering
Michigan State University
Fall 2017



*From Students...
...to Professionals*

amazon



Auto-Owners **INSURANCE**

LIFE • HOME • CAR • BUSINESS



Avata

INTELLIGENCE

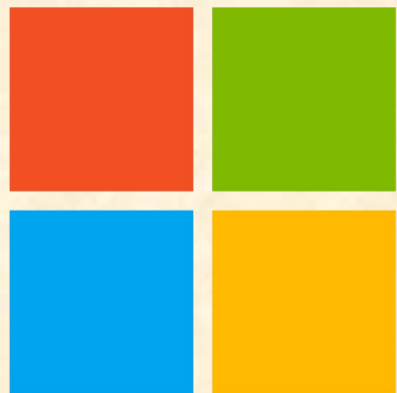




Humana

meijer®





Microsoft

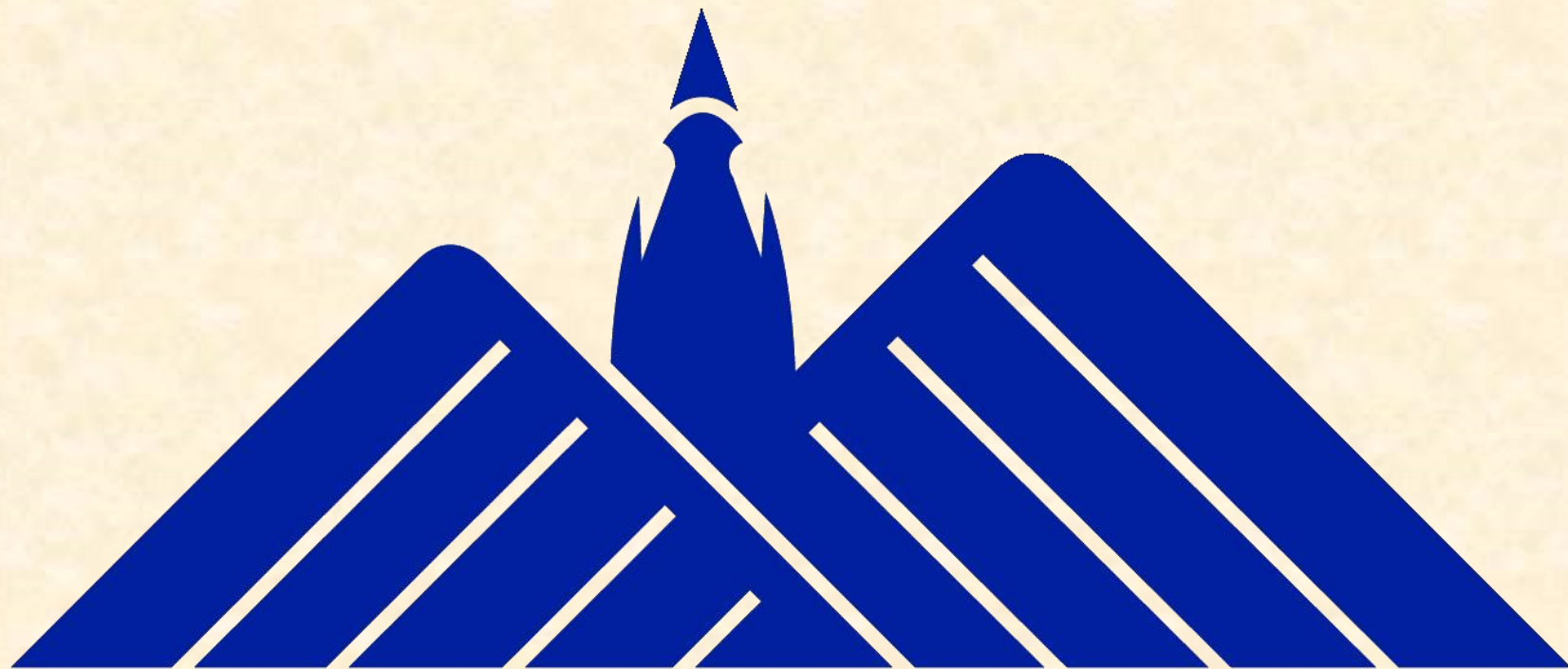


Firefox®

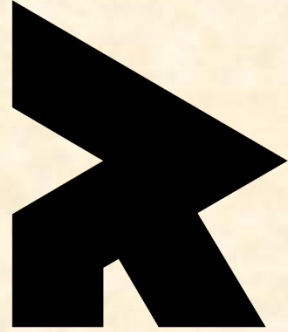


F E D E R A L C R E D I T U N I O N

Building Dreams *Together*



THE PHOENIX GROUP



ROOK SECURITY

SPECTRUM HEALTH





Symantec



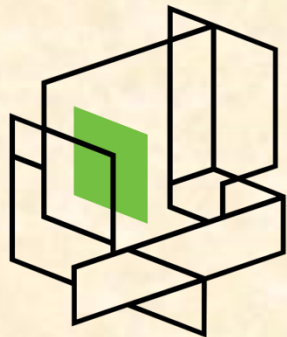


TWO MEN AND A TRUCK®

“Movers Who Care®”



BUILDING AMERICA[®]



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