

09/02: Capstone Overview

The Capstone Experience

Dr. Wayne Dyksen

Department of Computer Science and Engineering
Michigan State University

Fall 2015



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

Capstone Overview

➤ Course Logistics

- Client Projects
- Course Logistics (Continued)

CSE 498, Collaborative Design

- “The Capstone Experience”
- Instructors
 - Dr. Wayne Dyksen (“Dr. D.”)
 - Angela Sun
- Class Meetings
MW, 3:00-3:50pm, 2400 EB
- Syllabus
- Web Site
 - capstone.cse.msu.edu
 - Check it often.



Course Goals

(1 of 3)

- Give You Experience
 - Real World (As Possible)
 - In Corporate Setting
- Start Your Transition
 - From Student...
 - ...To Professional



Course Goals

(2 of 3)

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



Course Goals

(3 of 3)

- Build a Significant Software System
- Work in a Team Environment
- Learn New Tools and Environments
- Build and Administer Systems
- Develop Your Communication Skills
- Develop Interview Talking Points
- Learn to Do Stuff on Your Own
- Etc...



Project Deliverables

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

See [Major Milestones](#).



All-Hands Meetings

Presentations By

- Dr. D.
- Teams
 - Status Reports
 - Formal Presentations
 - Project Plan
 - Alpha
 - Beta
 - Project Videos
- Guest Speaker(s)



All-Hands Meeting Agendas

09/02: Capstone Overview
09/07: (Labor Day, No Meeting)
09/09: Project Plan
09/14: Risks and Prototypes
09/16: Team Status Report Presentations
09/21: Team Project Plan Presentations
09/23: Schedule and Teamwork
09/28: Team Project Plan Presentations
09/30: Career Gallery
10/05: Team Project Plan Presentations
10/07: Team Project Plan Presentations
10/12: Resume Writing and Interviewing
10/14: Creating and Giving Presentations
10/19: Team Alpha Presentations
10/21: Team Alpha Presentations
10/26: Team Alpha Presentations
10/28: Team Alpha Presentations

11/02: Design Day and the Project Videos
11/04: Camtasia Demo
11/09: Team Beta Presentations
11/11: Team Beta Presentations
11/16: Team Status Reports
11/18: Team Status Reports
11/23: Team Beta Presentations
11/25: Team Beta Presentations
11/30: Team Beta Presentations
12/02: Team Beta Presentations
12/07: Project Videos
12/09: Project Videos and All Deliverables
12/10: Design Day Setup
12/11: Design Day
12/17: Project Videos



Urban Science Capstone Lab

- 3352 EB
- Door Lock
 - Electronic Keypad
 - Code = #####
 - Do Not Give Out to Other Students
- Systems
 - Four PC's per Team
 - One Dell Rack-Mounted Server
 - Three Development Machines
 - ❖ Two 27" iMacs
 - ❖ One 13" MacBook Pro (Optional)
 - Team 100% Responsible
 - Building
 - Maintaining
 - Securing
 - Backing Up
- Books
- WiFi
 - SSID: CSE498, CSE498 5MHz
 - Key: ???????
- Conference Area
 - Team Meetings
 - Client Conference Calls
 - Google [Conference Calendar](#)
- Appliances
 - Water Cooler/Heater
 - Whirlpool Refrigerator (with Ice Maker)
 - Microwave
 - Keurig Coffee Maker
- Lockable Storage
 - One Drawer Per Team
 - Assigned and Labeled
 - Obtain Keys from CSE Office



Scheduled Lab Times

- No Formal Lab Sessions
- “Credit” for Scheduled Weekly Meetings
 - Team Meetings
 - Client Conference Calls
 - Triage Meetings with Angela
- Meeting Times TBA With
 - Team
 - Client
 - Angela
- Students must be available to meet.



Capstone Overview

✓ Course Logistics

➤ Client Projects

- Course Logistics (Continued)

Team / Project Generalities

- Clients
 - Vary in Size and Type
 - Client contacts/mentors are “volunteers”.
- Team Contact Person
 - Picked By Team
 - Main Point of Contact for Client



Team / Project Generalities

- Project Types
 - All Significant Software Development
 - Vary in Specifics
- Project Level of Difficulty
 - Hard Enough
 - But Not too Hard
- Deliverable
 - To the Client
 - By the Due Date



Team / Project Generalities

- Challenges
 - Very Short, Unforgiving Time Line
 - Client Contact
 - Team Dynamics
 - Project Plan (in Three Weeks)
 - Entirely New...
 - Languages
 - Environments
 - API's
 - SDK's
 - Processes
 - Protocols
 - Etc.
 - Project Management
 - Etc...



Project Specifics

- Vary
 - Type
 - Current State of Specificity
- Challenge
 - Connect with Client
 - “Nail Down” the Project
 - Hard Enough
 - Not too Hard
 - Avoid Feature Creep
 - Course Feature, Not Bug

Project Teams

- Team Amazon
- Team Auto-Owners
- Team Ford
- Team GM
- Team Meijer
- Team MSUFCU
- Team Quicken Loans
- Team Spectrum Health
- Team Symantec
- Team TechSmith
- Team Urban Science
- Team Whirlpool

Team Amazon

Project Overview

Seller Forums Echo Companion

- Functionalities
 - Amazon Echo Companion
 - For Amazon Sellers
 - To Interact with Amazon Seller Forums
 - Hands-Free By Voice Using Alexa
- Features
 - Support Sellers' Hands-Free Ability To
 - Ask and Submit Questions
 - Submit Replies to Existing Threads
 - Have Threads Read by Alexa
 - Discover Intent by Creating Amazon Skill
 - Create Endpoint Web Service Using AWS Lambda
- Technologies
 - Amazon Web Services (AWS)
 - AWS Lambda
 - Amazon Echo and Alexa
 - Java



Seattle, Washington
Detroit, Michigan



Team Auto-Owners

Project Overview

HR Recruiting System

- Functionalities
 - Simplify Job Application Process
 - For Both Applicants and Auto-Owners
 - Using Mobile, Tablet and Web Apps
- Features
 - Support Multiple Input Methods
 - Text
 - LinkedIn
 - Resumes
 - Speech
 - Manage Entire Application Workflow Process
 - From Assignment of Recruiter
 - To Sending of Offer or Decline Letter
 - Handle Referrals by Existing Auto-Owners Associates
 - Use Google Analytics
- Technologies
 - Google Android Tablets and Phones / Java
 - Apple iPads and iPhones (iOS) / Swift or Objective-C
 - Web App Development
 - Database Technologies



Lansing, Michigan



Team Ford

Project Overview

Connected Vehicle Protocol Test Harness and Evaluation

- Functionalities
 - Evaluate Connected Vehicle Communication Protocols
 - For Suitability for Enhanced Customer Experiences
 - Faster Cellular Networks
 - Greater Customer Expectations
 - Using Software Test Harness
- Features
 - Execute Various Communication Protocols
 - Repeatable Consistently
 - Measurable
 - Store and Visualize Metrics Securely
 - Support Range of File Sizes From 10MB to 10GB
 - Interface with Various Ford Connected Vehicle Hardware
 - Provide Strengths and Weaknesses of Each Protocol
- Technologies
 - RESTful Web Services
 - Cloud Services (Microsoft Azure)
 - MQTT
 - JSON
 - XML
 - AMQP



Dearborn, Michigan



Team GM

Project Overview

Asynchronous Service Desk Callback App

- Functionalities
 - Submit Request for Help and Callback
 - By GM Employee
 - To Global Service Desk
 - Using Mobile App
- Features
 - Integrate with Knowledge Management System
 - Show Potential Solutions
 - Cancel Help Request if Problem Solved
 - Provide Intelligent Queueing Mechanism
 - Select Optimal Callback Time
 - Based on Availability of Service Desk Operator and Employee
 - Support both Apple and Android Devices
- Technologies
 - Google Android Tablets and Phones / Java
 - Apple iPads and iPhones (iOS) / Swift or Objective-C
 - RESTful Web Services
 - CSS / HTML / JavaScript
 - Exchange / Outlook



Detroit, Michigan
Warren, Michigan



Team Meijer

Project Overview

In-Store Price Compare

- Functionalities
 - Compare Meijer Price Against List of 3rd Party Stores
 - Brick and Mortar
 - Online
 - Near Me
 - By Scanning Barcode
 - Using Mobile Device
- Features
 - Provide Web Service to Interface with Devices
 - Support 3rd Party Services (Best Buy, Walmart, Amazon, Etc.)
 - Store Results and Provide Meijer Business Intelligence Web App
 - What products are being scanned the most?
 - Where are the largest price gaps?
 - What are the smallest and largest prices and what competitors have them?
 - Etc?
 - Possibly Provide Custom Meijer Coupon Based on Price Gap
- Technologies
 - Apple iPhones (iOS) / Swift or Objective-C
 - Xamarin or PhoneGap
 - Microsoft .NET Framework / C# / ASP.NET / Azure Mobile Services
 - SQL Server 2012
 - Meijer Web Services
 - Crashlytics
 - GitHub



meijer[®]

Grand Rapids, Michigan



Team MSUFCU

Project Overview

Virtual Dollar Dog Store

- Functionalities
 - Promote Financial Education of Children Everywhere
 - Deposits Earn Dollar Dog Coins
 - Can Be Redeemed in Dollar Dog Stores
 - But Currently Only in 13 Lansing Branches
 - By Expanding Dollar Dog Program
 - From Limited Physically Branch-Based
 - To Unlimited Virtually Mobile and Web-Based
- Features
 - Provide Access to Dollar Dog Program Online
 - View Dollar Dog Coin Balances
 - Award Coins for Participation in Online Educational Activities
 - Shop for Prizes at the Dollar Dog Store
 - Support Apple (iOS), Android and Web Apps
 - Integrate Seamlessly With Existing MSUFCU Software
 - Provide MSUFCU Management Web App
 - Add/Remove and Inventory Prizes
 - Adjust Dollar Dog Coin Balances
 - Send Text Messages to Users
 - Ensure High Level of Security
- Technologies
 - Google Android Tablets and Phones / Java
 - Apple iPads and iPhones (iOS) / Swift or Objective-C
 - CSS / HTML
 - PHP
 - JavaScript
 - Encryption Based on SQL Standards

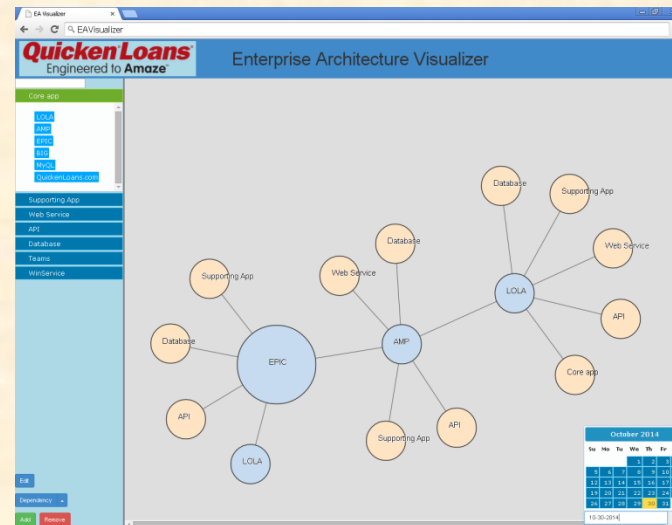


Team Quicken Loans

Project Overview

Enterprise Roadmap Tool

- Functionalities
 - Visual Computer Systems Enterprise Road Mapping Tool
 - For Senior Leadership
 - To Show Future
 - Major Computer System Changes
 - New Application Development
 - Replacing Word Documents
- Features
 - Model Initiatives
 - High Level Features
 - Business Value
 - Size
 - Start Date
 - Dependencies
 - Show Interdependencies and Roadmaps
 - Provide Search Capabilities
 - Generate Reports
 - Roadmaps for Initiatives
 - Reports on Business Values
- Technologies
 - .NET / Web Development
 - SQL Server
 - UI / UX Expertise



Quicken Loans®
Engineered to **Amaze®**
Detroit, Michigan

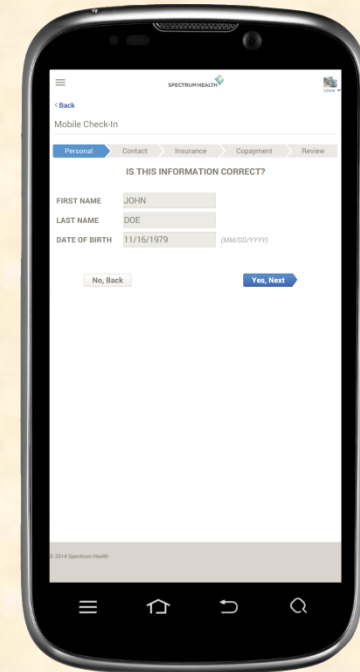


Team Spectrum Health

Project Overview

Patient Service Delivery Planning

- Functionalities
 - Optimize Patient Care Service Delivery
 - For Patients By Identifying Facilities with Shortest Wait Times
 - For Spectrum Health By Predicting Staffing Needs In Advance
- Features
 - Gather and Integrate Data from Multiple Sources
 - Spectrum Health Census Web Service
 - Center for Disease Control
 - Weather Services
 - Track Patient Loads at Facilities
 - Build Predictive Model of Staffing Two Weeks in Advance
 - Provide
 - Mobile App for Patients
 - Web App for Spectrum Health
- Technologies
 - CSS / HTML / JavaScript / AngularJS
 - ASP.net Web API (C#)
 - Microsoft IIS 7.5
 - NoSQL / Cassandra
 - RESTful Web Services
 - Browser-Based Visualization



SPECTRUM HEALTH 

Grand Rapids, Michigan

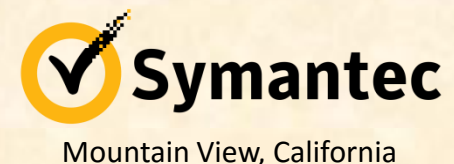
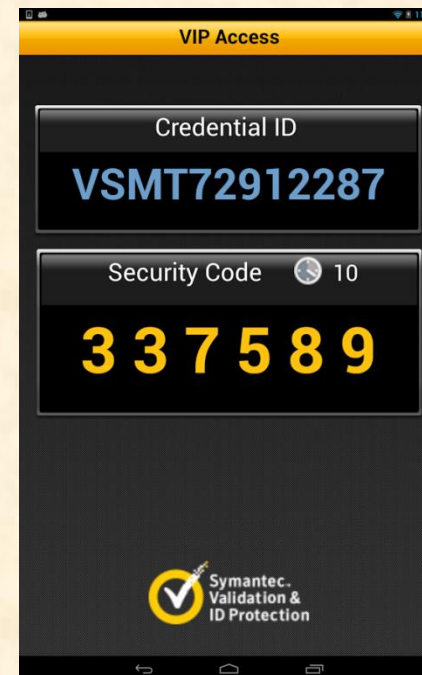


Team Symantec

Project Overview

Integrated Silent Dynamic Authentication through Symantec VIP

- Functionalities
 - Embed Two Factor Authentication
 - Into Native Mobile Apps
 - Sending Six-Digit Authentication Code
 - Automatically
 - “Silently”
- Features
 - Require User to Enter Only Userid and Password
 - Send Six-Digit “Second” Factor
 - Without Direct User Interaction
 - Using Symantec VIP SDK
 - Demonstrate on Both Android and iPhone
- Technologies
 - Google Android Tablets and Phones / Java
 - Apple iPads and iPhones (iOS) / Swift or Objective-C
 - Symantec VIP



Team TechSmith

Project Overview

Intelligent Real World Text Recognition

- Functionalities
 - Using Mobile Device (Camera)
 - Recognize Text in the Real World
 - Perform Useful Actions
 - Call a Phone Number
 - Go to a URL
 - Map a Street Address
 - Tweet a Hashtag
 - Etc.
- Features
 - Highlight Recognized Text in Camera View
 - Offer to Take Action on Recognized Text
 - Save Recognized Text in Appropriate Places
 - Use Windows 10 UWP OCR Engine API
 - Demonstrate Raspberry Pi “Reading Station”
 - Visually Impaired
 - Learning to Read
 - Store Things Seen in Cloud Backend
- Technologies
 - Windows 10 Universal Windows Platform Apps
 - Raspberry Pi
 - CSS / HTML5 / JavaScript
 - C#/.Net and XAML
 - Microsoft Azure Cloud Computing

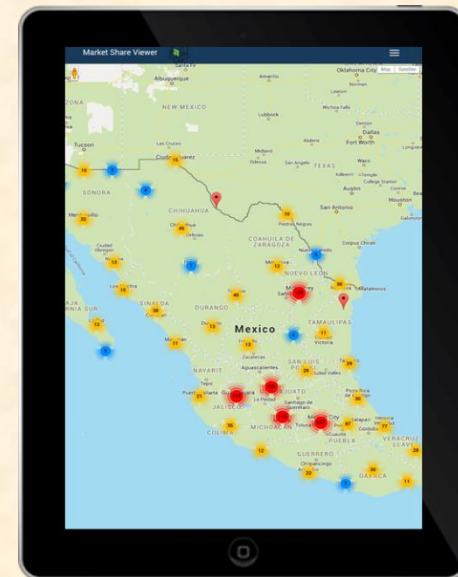


Team Urban Science

Project Overview

Who Buys My Vehicles? Tracking Brand Loyalty

- Functionalities
 - Visualize Brand Loyalty
 - For OEM Loyalty Managers
 - Using Native Tablet Apps
- Features
 - Visualize
 - Repurchase Loyalty Rates by Brand and Segment
 - Conquest / Defector Ratios for All Brands
 - Trends on All Key Performance Indicators (KPIs)
 - Support KPI Grouping by Geographic Region
 - National
 - Regional
 - Market
 - Provide Native Apps for Both Android and Apple iOS
 - Send Intelligent Alerts
- Technologies
 - Google Android Tablets and Phones / Java
 - Apple iPads and iPhones (iOS) / Swift or Objective-C
 - SQL Server 2012
 - Visual Studio 2013



URBAN SCIENCE.

Detroit, Michigan

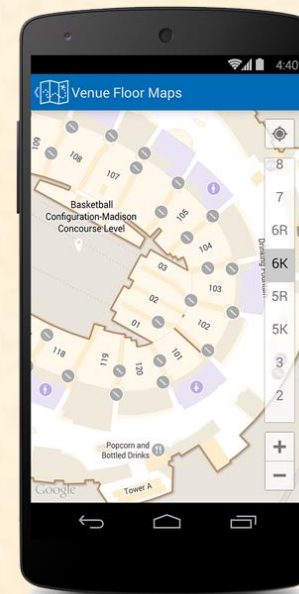


Team Whirlpool

Project Overview

Whirlpool Indoor Maps

- Functionalities
 - Help Whirlpool Employees Navigate Buildings
 - By Providing
 - Search by Room and Employee
 - Maps
 - Turn-By-Turn Directions
 - Using Mobile Apps
- Features
 - Authenticate Users with Google Authentication
 - Display Whirlpool Facility Maps
 - Gather Room Details from XML Data
 - Locate Available Conference Rooms
 - Integrate with Google Calendar
 - Support Both Native Android and Apple iOS Apps
 - Provide Web App
- Technologies
 - Google Android Tablets and Phones / Java
 - Apple iPads and iPhones (iOS) / Swift or Objective-C
 - Google Maps SDKs (for iOS and Android)
 - Google Enterprise Authentication
 - Micello JavaScript API
 - SQL Server
 - Custom XML Parser
 - RESTful Web Services



Benton Harbor, Michigan



First Assignments

- Read the Syllabus.
- Check out the Lab (3352 EB).
 - See if you can find it.
 - See if you can get in.
- Check out the Web Site.
- Research your Project.
 - Client
 - Technologies

What's Next?

- Teams
 - Assignments by Email Tonight
 - Meet Initially by Tomorrow Afternoon
 - Lab Machine Assignments in Lab
 - Start Configuring Lab Machines
 - Team Photos
 - Wednesday 09/09, After All-Hands Meeting
 - Dress Casual (But Appropriate)
- Client
 - Contact by Email by Tomorrow COB (Close of Business)
 - Conference Call by Phone by Friday
 - Review Project Proposal

Capstone Overview

✓ Course Logistics

✓ Client Projects

➤ Course Logistics (Continued)

Urban Science Capstone Lab Machines

- Four Per Team
 - One Rack-Mounted Dell Server
 - Connected to the Outside World
 - Keep Secure
 - Two 27" iMacs
 - One 13" MacBook Pro (Optional)
- Operating Systems on iMacs and MBPs
 - Run OS X Yosemite
 - Install VMware Fusion (from [here](#))
 - Create Virtual Machines As Needed
 - Windows Vista, 7, 8, 10 (!Windows XP)
 - Linux



Capstone Lab Miscellany

(1 of 2)

- Security
 - Keep lab doors closed.
 - Do not open doors for strangers
 - Do not give out door key code to others.
 - Do not invite non-capstone students to work in the lab with you.
 - Email Dr. D. if door becomes unlocked.
- Wireless
 - SSID: CSE498
 - Key: ??????
- Coffee
 - Some Provided by Dr. D.
 - Bed, Bath & Beyond (Get 20% Off Coupon)
- Game Playing / Video Watching
 - Not On Monitors Facing Hallway
 - Not If Other Team Members Need Machine



Capstone Lab Miscellany

(2 of 2)

- Wires, Cables and (Black) Grommets
 - Do not “maniac” them.
 - Do not play with the (black) grommets.
- Keep the lab neat and clean.
 - Lived In, Okay.
 - Messy, Not Okay.
- Respect other teams’ spaces.
- Garbage Containers
 - Empty the small one by the coffee maker into a larger one.
 - Put larger ones out in the hall at night if near full.
 - Put back in the lab in the morning.
- Turn the lights out if you’re the last one out.
- Be careful with cabinet drawers; don’t “maniac” them.



Mobile Devices Available

- For Capstone Project Use
- By Team for the Semester
- iOS
 - 4 iPads
 - 1 iTouch
- Android
 - 1 Tablet
 - 1 Phone
- Surface Pro 3

Expectations & Workload

- Extremely High For Both
- Your MSU Career Capstone
- Addition to Your Personal Portfolio
- Experience Viewed Like an Internship
- Interview Talking Points
- Leverage Into a Job Offer



Schedules

- Schedules > All-Hands Meeting

- Schedules > Major Milestones

- 09/16: Status Report Presentations
- 09/21: Project Plan Presentations
- 10/19: Alpha Presentations
- 11/23: Beta Presentations
- 12/07: Project Videos
- 12/09: All Deliverables
- 12/10: Design Day Setup
- 12/11: Design Day

- Attendance is required.
- No excuses are accepted.
- Do not schedule anything including during these times interviews, travel home, etc.
- Will coordinate with your interviews.



Meeting Attendance

- Required
 - All-Hands (Class) Meetings
 - Team Triage Meetings
 - 5% of Final Grade
 - Late == Absent
 - Almost No Excuses Accepted
 - One or Two Excused Possible for Interviews
 - Must Provide Information In Advance
(Date, Company, Recruiter Name & Contact Info)
 - Must Attend (No Excuses Accepted)
 - Your Team Presentations
 - All Project Video Viewing
 - Design Day
- Do NOT schedule interviews.
Do NOT schedule ANYTHING.
Do NOT buy plane tickets.



Team Organization

- Up to Each Team
- Organize into Roles
 - Client Contact
 - Program Manager
 - Developer
 - Tester
 - Systems Administrator
 - Etc...
- Everyone Must Make Technical Contributions

Team Dynamics

- Key to Success
- Significant Component of Course Grade
- Address Problems Immediately
 - Within Team
 - With Dr. D. and/or Angela
- Be Ready to Discuss During Interviews



Grading

(1 of 3)

• Team (70%)	
▪ Project Plan Document & Presentation	10
▪ Alpha Presentation	10
▪ Beta Presentation	10
▪ Project Video	10
▪ Project Software & Documentation	25
▪ Design Day	<u>05</u>
▪ Total	70
• Individual (30%)	
▪ Technical Contribution	10
▪ Team Contribution	10
▪ Team Evaluation	05
▪ Meeting Attendance	<u>05</u>
▪ Total	30



Grading

(2 of 3)

- Final Grade Sum Of...
 - Individual Total
 - % of Team Total Based on Team Contribution
- Grand Total =
$$\begin{aligned} &(\text{Individual Total}) \\ &+ \\ &(\text{Team Total}) * (\text{Team Contribution}) / 10.0 \end{aligned}$$
- *Nota Bene*: Your Team Contribution will have a very significant effect on your final grade.



Grading

(3 of 3)

- We reserve the right to make changes with sufficient notice.
- No special consideration will be given for final grades including but not limited to
 - status in any academic program including CSE,
 - financial aid,
 - rank in the armed forces,
 - job,
 - graduation,
 - mortgage,
 - wedding,
 - visa status,
 - or anything else.



Integrity of Scholarship

- MSU's policies will be enforced.
- Individual and team work must be original.
- Violators...
 - ...will be referred to the appropriate deans.
 - ...may receive a grade of F in the course.



IP & NDA's

- IP: Intellectual Property
 - By Default, Owned by You
 - Client May Request
 - Right to Use
 - Assignment of Ownership
 - Etc.
- NDA: Non-Disclosure Agreement
 - May Be Required by Client
 - You will...
 - ...respect/protect intellectual property.
 - ...respect/protect source code.
 - ...etc.
- Normally Not an Issue
- Use MSU Agreements
- Always Contact Dr. D. Before Signing Anything



Using Resources

- Ok For “Help”
 - People
 - Past Capstone Teams
 - Other Capstone Teams
 - Faculty Members
 - Articles
 - Sample Code
 - Etc...
- Not Ok For “Entire” Project
- If Unsure, Ask Dr. D. and/or Angela



Using Existing Code

- Ok
 - Examples
 - Prototypes
 - Open Source Code
 - Fragments
 - Libraries
 - Utilities
- Not Ok
 - Vast Amounts of Your Project
 - Not Open Source
- Ask Client in Advance
- Document and Report All Existing Code Used
- Be Careful!
- If Unsure, Ask Dr. D. and/or Angela and/or Your Client

Design Day

- College of Engineering Event
 - Engineering Building
 - Friday, December 11, 2015
- Displays (Booths) of Design Projects
 - CSE Capstone
 - ECE Capstone
 - ME Capstone
 - Etc...
- Presentations and Awards
 - Panel of Judges
 - CSE Team Project Videos



VISA

- Verified Individualized Services and Accommodations
- Let us know immediately.
- We will work with you.

Office Hours

- Any Time...
 - Visit: 3149 EB
 - Call: 353-5573
 - Email: (dyksen@cse.msu.edu)
- Make Appointment



Capstone Overview

✓ Course Logistics

✓ Client Projects

Questions?

✓ Course Logistics (Continued)

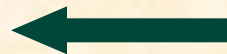


What's ahead?

(1 of 4)

- Team Photos
 - Informal: After Meeting Monday, September 14
 - Formal: After Each Project Plan Presentation
- Setup
 - Team Machines
 - Dell Server (Ask Angela)
 - Apple iMacs, MacBook Pro (Optional)
 - Team Software
 - Microsoft Office
 - ❖ Word and PowerPoint
 - ❖ Microsoft Windows Version
 - Web Server
 - Code Repository
 - SDK's
 - Etc.

Required.
Get from Angela.



What's ahead?

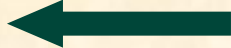
(2 of 4)

- All-Hands Meetings
 - ~~W, 09/02: Capstone Overview~~
 - ~~M, 09/07: (Labor Day, No Meeting)~~
 - ~~W, 09/09: Project Plan~~
 - M, 09/14: Risks and Prototypes
 - W, 09/16: Team Status Report Presentations
 - M, 09/21: Team Project Plan Presentations
 - W, 09/23: Schedule and Teamwork
 - M, 09/28: Team Project Plan Presentations
 - W, 09/30: Career Gallery
 - M, 10/05: Team Project Plan Presentations
 - W, 10/07: Team Project Plan Presentations



What's ahead?

(3 of 4)

- Team Status Report Presentations
 - [PowerPoint Template](#)
 - Due 4:00 a.m., Wednesday, September 16
 - 1 Week  Panic!
 - Email to Dr. D.
 - Subject: Team <Company Name>: Status Report
Subject: Team Auto-Owners: Status Report
 - Attachment: team-<company-name>-status-report-presentation.ppt
Attachment: team-urban-science-status-report-presentation.ppt
- Dr. D. Will Combine Into Single PowerPoint
 - To Speed Things Up During Meeting
 - Do NOT Modify Master Slide
 - Must Use Windows Version of Microsoft Office
- Each Team Presents
 - Using Dr. D.'s Laptop
 - At Most 5 Minutes (Rehearse Timing)
 - Single or Multiple Presenters (Your Choice)



What's ahead?

(4 of 4)

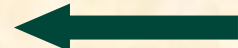
- Project Plan Presentations

- PowerPoint Template

- Download Now
 - Read the Read Me Slide (Over and Over and Over...)

- Submission

- Both Project Plan Document and PowerPoint Slide Deck
 - Due 4:00 a.m., Monday, September 21
 - See Submission Instructions in Template

 Panic!

- Presenting

- 3 Teams Per Meeting Over 4 Meetings
 - Schedule Posted Sunday Evening
 - Strict 15 Minute Time Limit
 - Use Team Member Laptop
 - ❖ Bring Power Cord
 - ❖ Test In Meeting Room (in Advance)
 - Rehearse
 - 5% of Final Grade
 - Business Casual Dress

- Formal Team Photos

- Immediately Following Meeting
 - In Capstone Lab

- Schedule Conflicts

- Only for Interview Trips
 - Notify Dr. D. Well In Advance



09/16: Team Status Reports

The Capstone Experience

Dr. Wayne Dyksen

Department of Computer Science and Engineering
Michigan State University

Fall 2015

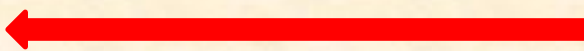


*From Students...
...to Professionals*

Instructions

Delete this slide.

(Delete this slide before submitting.)

- Required Template
 - Do not edit the master slides.
 - Do not change the organization or number of slides.
 - Make your presentation fit within these four slides.
- Content
 - For the slide titles, replace <Company Name> with your company name as in “Team Auto-Owners”.
 - All presentations will be posted on the course web site so do not include company confidential information or anything that your client would not want posted.
 - Delete this slide from the presentation.
- Presenting
 - The order of the presentations during our meeting will be team numerical order.
 - The time limit for your presentation is 5 minutes, which will be strictly enforced. Practice your presentation to ensure that you will finish within the allotted time.
- Submission by Email  **Read this carefully.**
 - All presentations are due via email to me by 4:00 a.m., Wednesday, September 16.
 - For subject, use “Team <Company Name>: Status Report” as in “Team Urban Science: Status Report”.
 - Attach the PowerPoint source file named “team-<company-name>-status-report-presentation.pptx” as in team-auto-owners-status-report-presentation.pptx.



Team <Company Name>

Status Report

(1 of 4)

<Project Title>

- Project Description
 - Description Point 1
 - Description Point 2
 - Description Point 3
 - Description Point 4
- Project Plan Document
 - Status Point 1
 - Status Point 2
 - Status Point 3
 - Status Point 4

Include status information.
What's the status of your project plan document?
Have you started it?
How much have you written?
What percentage complete is it?
Delete this text box and the brace to the left.



Team <Company Name>

Status Report

(2 of 4)

<Project Title>

- Server Systems / Software
 - Description &/or Status Point 1
 - Description &/or Status Point 2
 - Description &/or Status Point 3
- Development Systems / Software
 - Description &/or Status Point 1
 - Description &/or Status Point 2
 - Description &/or Status Point 3

Include status information.
Are all systems up and running?
Have you tested everything?
**Delete this text box and the
brace to the left.**



Team <Company Name>

Status Report

(3 of 4)

<Project Title>

- Client Contact
 - Status Point 1
 - Status Point 2
- Team Meetings
 - Status Point 1
 - Status Point 2
- Team Organization
 - Description Point 1
 - Description Point 2

Include status information.

Have you talked with/met with your client?

Have you scheduled a weekly conference call? When?

Have you schedule an in-person meeting? When?

How many times has your team met so far?

Have you scheduled team meetings? How often?

Delete this text box and the brace to the left.



Team <Company Name>

Status Report

(4 of 4)

<Project Title>

Risks

- Risk 1
 - Description
 - Mitigation
- Risk 2
 - Description
 - Mitigation
- Risk 3
 - Description
 - Mitigation
- Risk 4
 - Description
 - Mitigation

