

MICHIGAN STATE

U N I V E R S I T Y

Project Plan

Mobile Event App

The Capstone Experience

Team Auto-Owners

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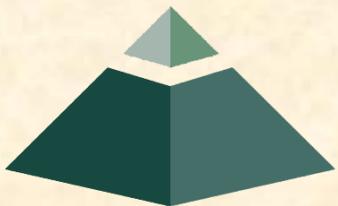
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Fall 2016



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

Functional Specifications

- Allows Auto-Owners to create and manage private or public events for conferences, recruitment events, etc.
- Supports maximum capacity for an event with a waiting list for those registered past capacity.
- Supports the construction of a personal itinerary for events as well as relevant media.
- Auto-Owners will be able to create customized notifications when events are modified and surveys for feedback on various parts of the event



Design Specifications

- **Event admin functionality**
 - Build an event
 - Create event survey(s), upload files to the event page, add links to external resources
 - Make changes to an existing event
 - View reporting\analytics on the event survey(s)

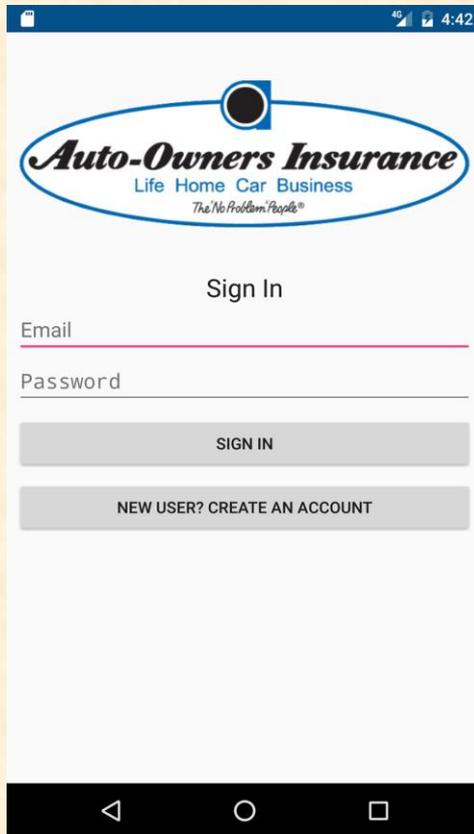


Design Specifications

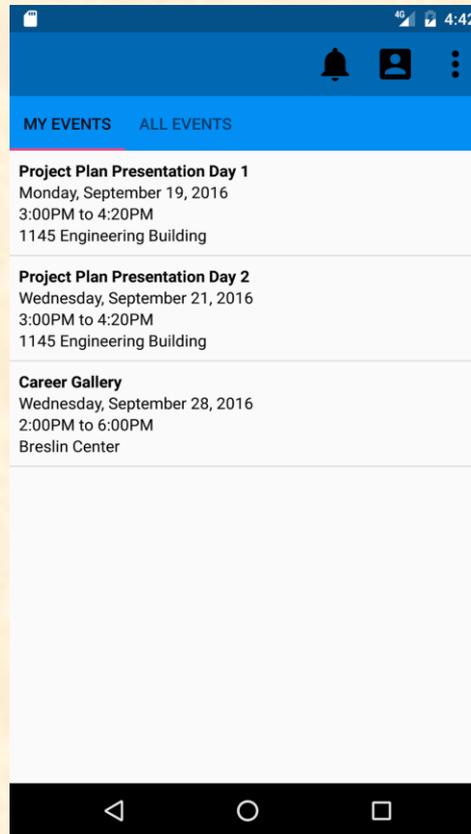
- Event attendee functionality
 - Register for an event
 - View event newsfeed
 - Create a personalized agenda for each event
 - Access any event materials that were uploaded via event admin
 - Give feedback via the event survey(s)



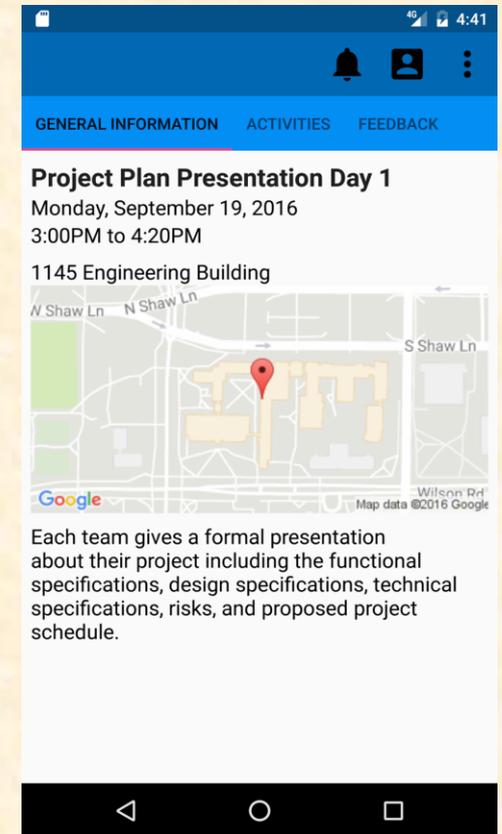
Screen Mockup: Mobile Interface



Login Page

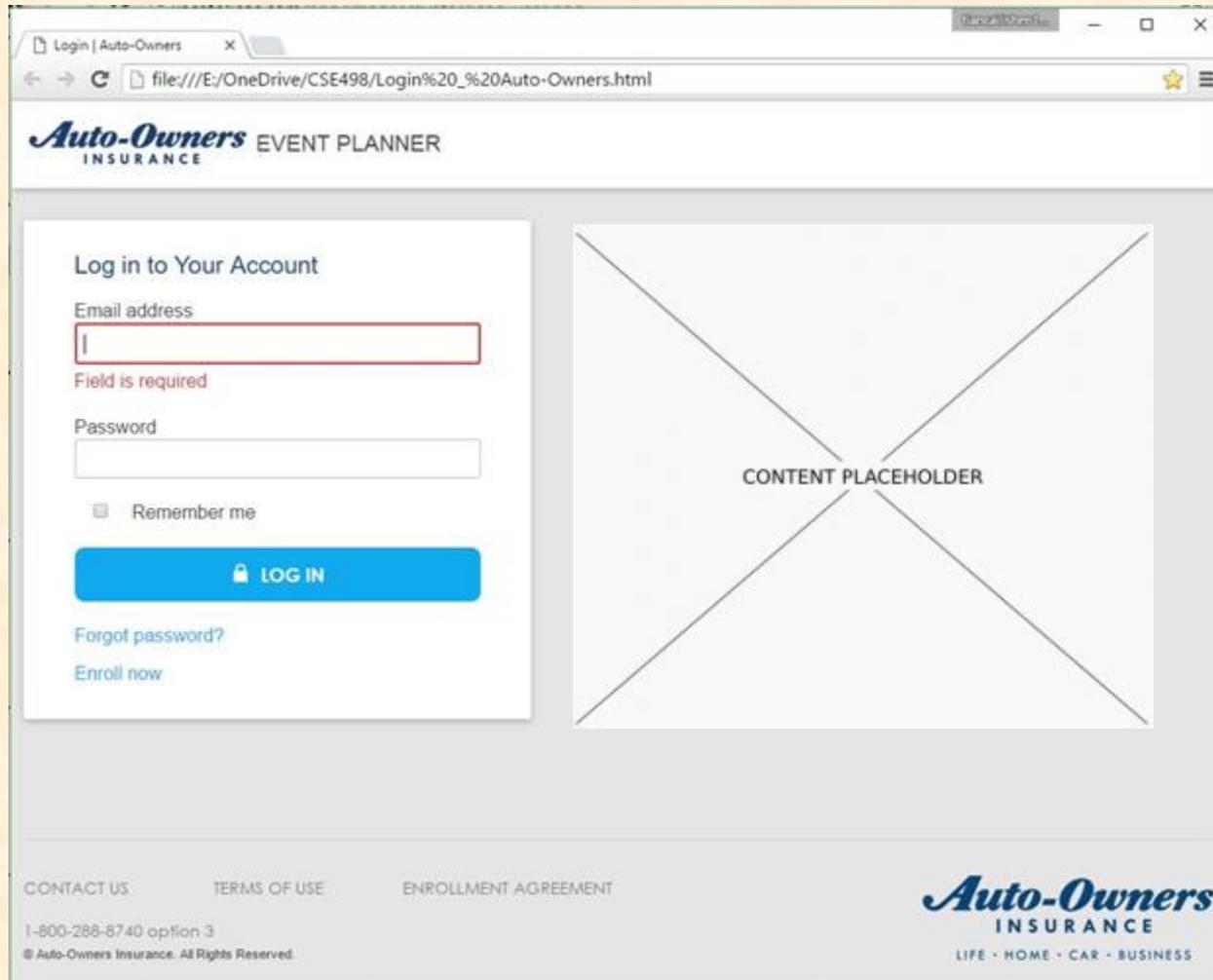


Upcoming Events



Event Page

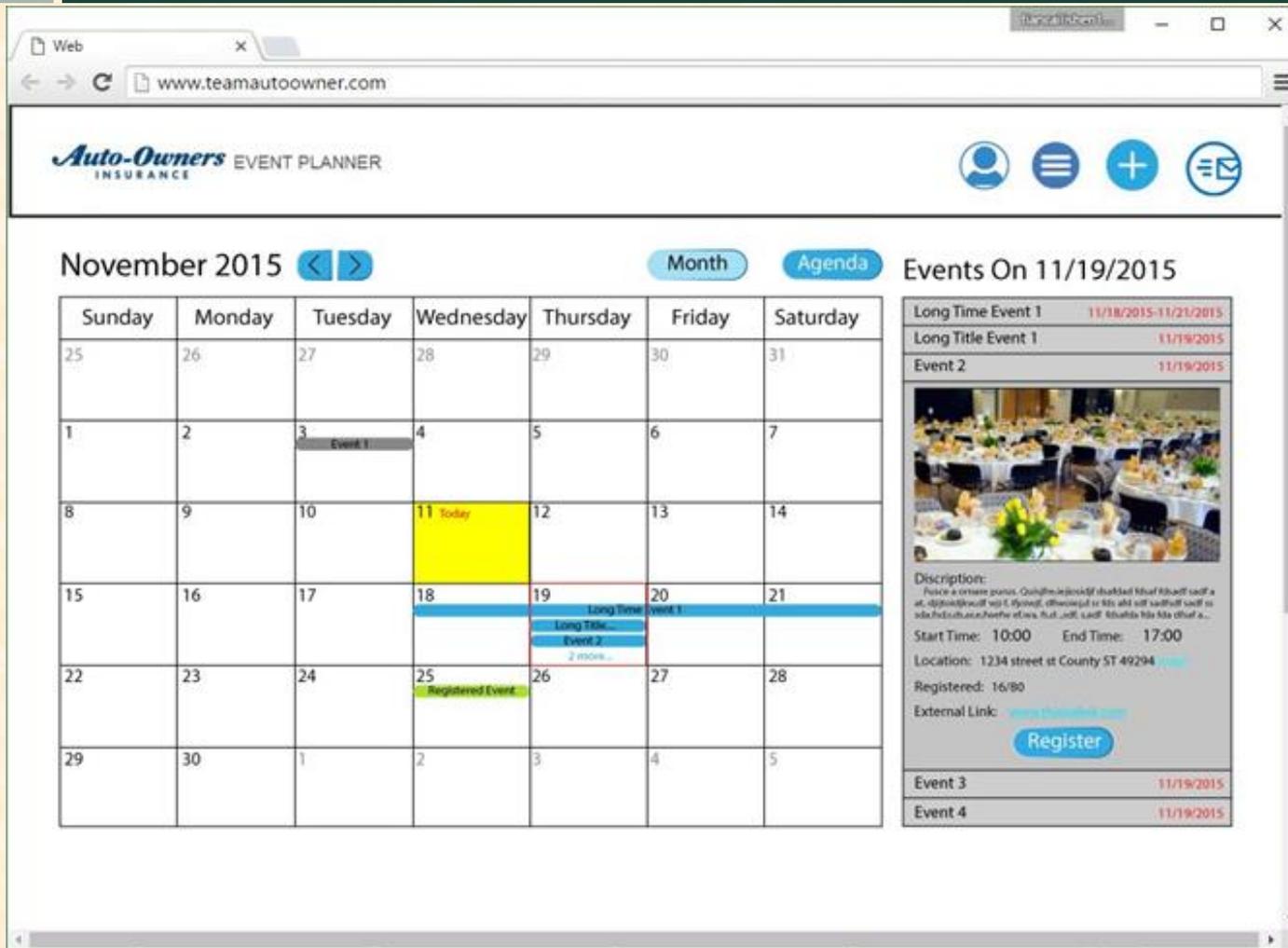
Screen Mockup: Web Application



Login page



Screen Mockup: Web Application



Main Page Calendar View



Screen Mockup: Web Application

Main Page Agenda View

Web x
www.teamauto-owner.com

Auto-Owners EVENT PLANNER
INSURANCE

November 2015 < >

Month Agenda

Long Time Event 1	11/18/2015
Long Title Event 1	11/19/2015
Event 2	11/20/2015
Event 3	11/21/2015
Event 4	11/22/2015
Long Time Event 2	11/23/2015-11/30/2015
Long Title Event 3	11/23/2015
Event 5	11/24/2015
Event 6	11/25/2015
Event 7	11/26/2015
	11/26/2015

Event 2 11/19/2015

Discription:
Fusce a ornare purus. Quisjfre,jejosidjif dsafdad fdsaf fdsadf sadf a at, djjtoidjkw,df wji t, ifjoiwjf, dfwoiej,d sr fds afd sdf sadfsdf sadf ss sda,fsd,r,ds,ace,fwefw ef,wa, fs,d ,sdf, s,adf fdsafda fda fda dfsaf a...

Start Time: 10:00 End Time: 17:00

Location: 1234 street st County ST 49294

Registered: 16/80

External Link: [www.fbsizealink.com](#)

[Register](#)



Screen Mockup: Web Application

The screenshot shows a web browser window displaying a form titled "Add Event" for "Auto-Owners Insurance Event Planner". The form includes the following fields and controls:

- Title:
- Discription:
- Date:
- Time:
- Location:
- Capacity:
- Fee:
- External Link:
- Image:

At the bottom of the form are two buttons: "Add" and "Reset".

Add Event Page
Administrator Only



Screen Mockup: Web Application

Edit Profile



"Upload Image Locally" 

Name:

Job Position:

Department:

.....



Profile Page

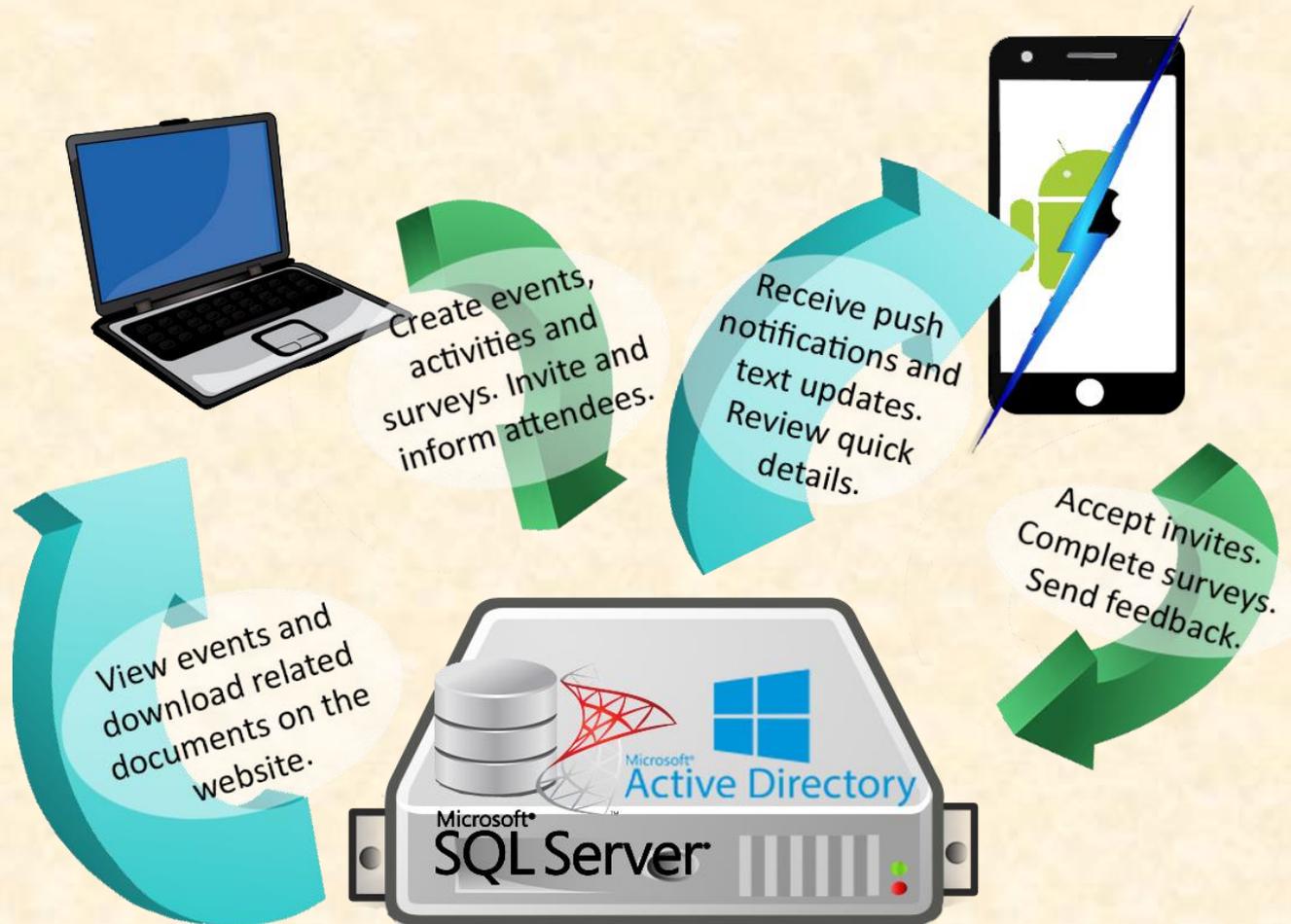


Technical Specifications

- Event and User Information Storage
 - Event information will be stored in an instance of Microsoft SQL 2014
 - User information
 - Basic user information such as name and email will be stored in an instance of Microsoft Active Directory
 - More complex user information, such as personalized agendas, will be stored in the same Microsoft SQL 2014 instance as the event information
- The SQL and Active Directory information will be interfaced with via PHP 5.5.9



System Architecture



System Components

- Hardware Platforms
 - All desktop PCs
 - Android devices capable of running Jelly Bean (4.1) or higher
 - Apple devices capable of running iOS 8 or higher
 - A rack mounted server
- Software Platforms / Technologies
 - Native iOS app developed in XCode
 - Native Android app developed in Android Studio
 - Responsive web app compatible with most browsers
 - Windows Server 2012 R2
 - Microsoft SQL Server 2014
 - Microsoft Active Directory



Testing

- Create a variety of dummy administrator and attendee accounts and test their access by logging in as each one and attempting to access features that should only be available for other users
- Use Kali Linux to perform penetration testing on the SQL database and PHP websites using tools such as SQLMAP and Grabber



Risks

- iOS Development
 - None of the team members has experience developing for iOS
 - Read documentation and view online tutorials
- Database Development
 - Team has very little experience with SQL and Active Directory
 - Read documentation
- User access control
 - All events will be stored in the same database, which will be readable by anyone authenticated by Active Directory
 - Lots and lots of testing to make sure that the way we are restricting users works correctly

