

**MICHIGAN STATE**  

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**UNIVERSITY**

# Project Plan

## GM Mobile Companion App

### The Capstone Experience

#### Team GM

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

# Functional Specifications

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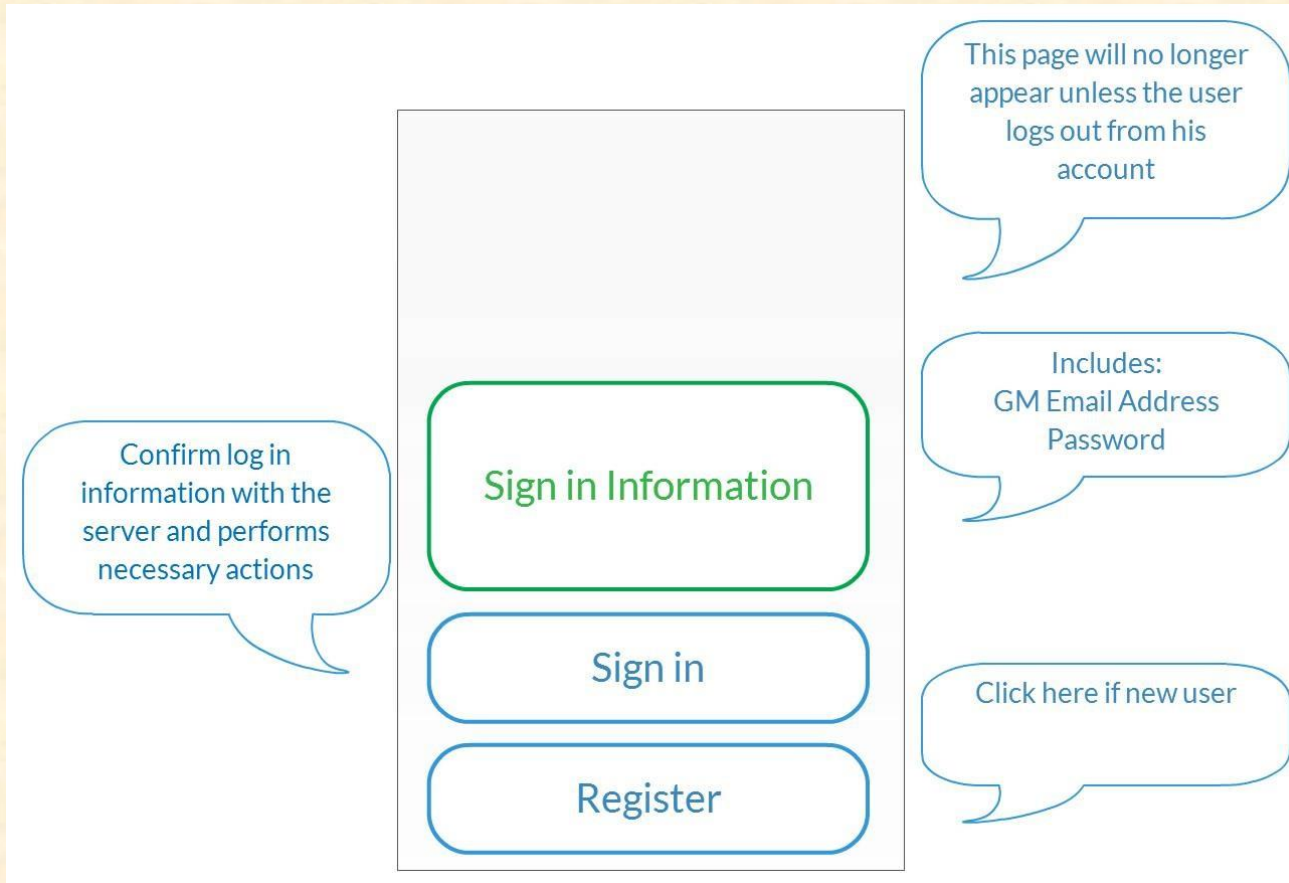
- Find & schedule appt. with tech specialists
- User can post questions. Techs will answer.
- FAQ page.
- Location Services.

# Design Specifications

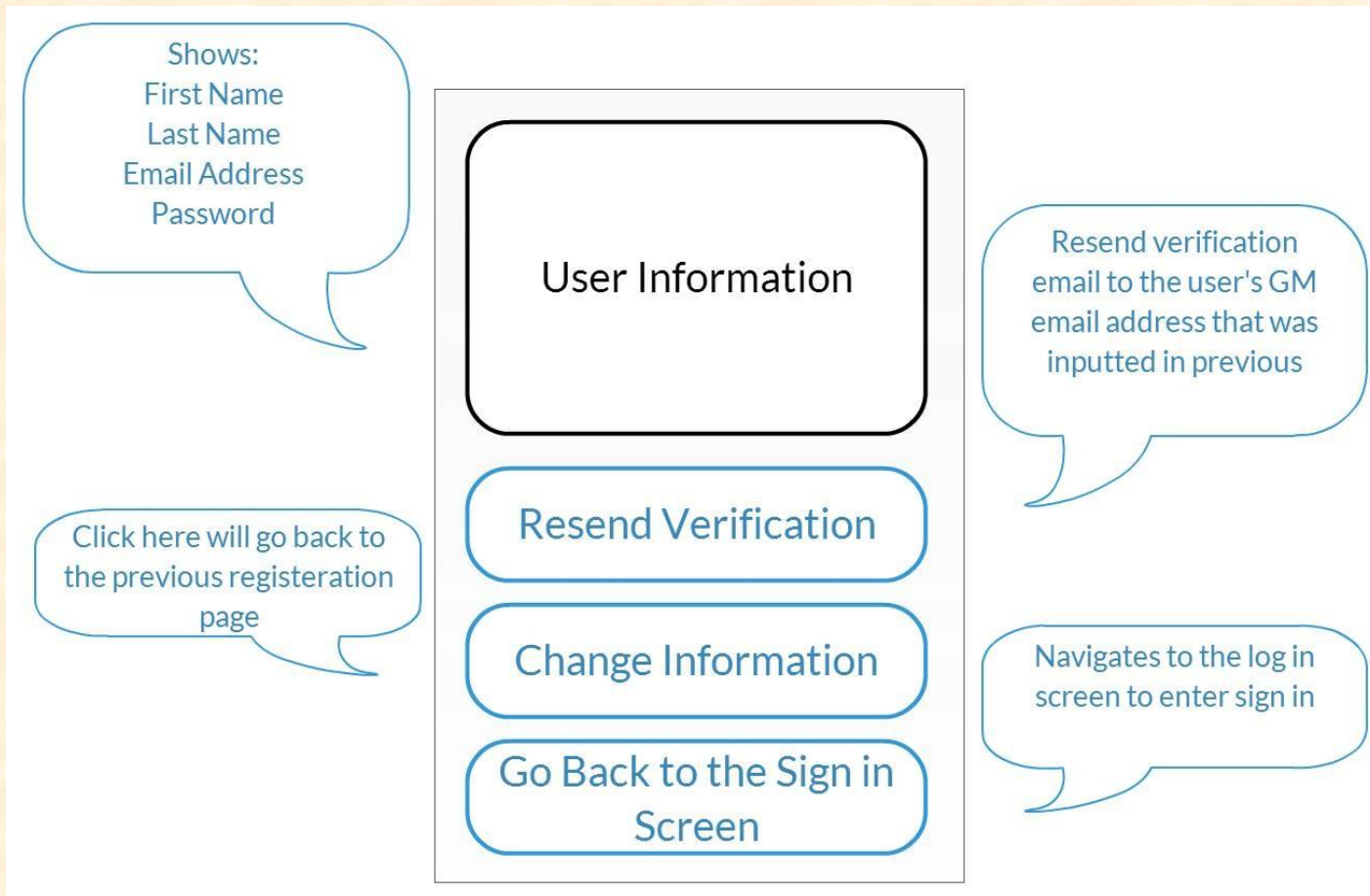
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- User is shown calendar of possible times
- Location is used to calculate distance to tech centers and IT help desks.
- FAQs are organized based on category.
- Post a question button.
- Schedule/edit appointment options.

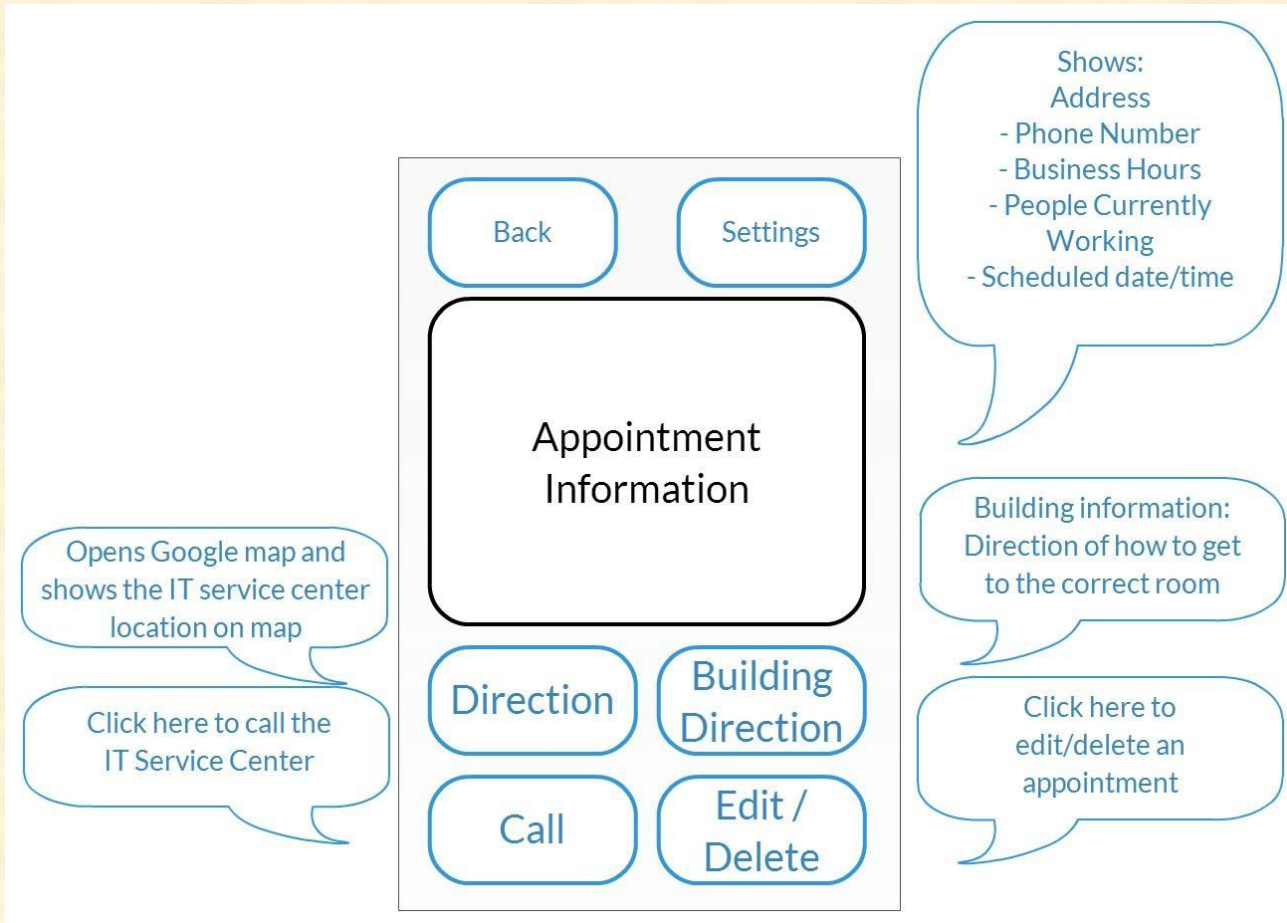
# Screen Mockup: Login



# Screen Mockup: Registration



# Screen Mockup: Appointments

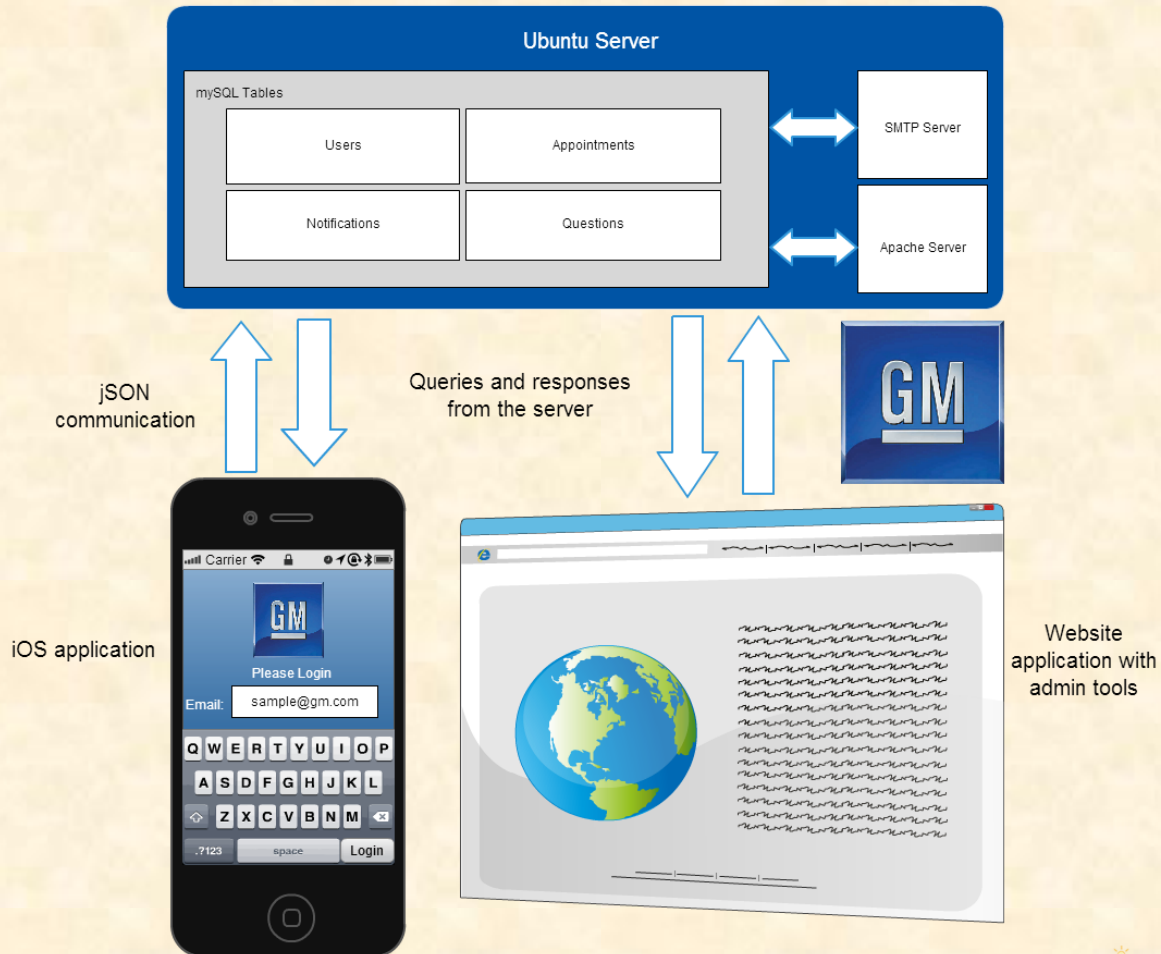


# Technical Specifications

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- HTML/PHP/CSS based website
- Swift mobile application
- Ubuntu Server
- SMTP SSH SFTP MYSQL
- Website $\Leftrightarrow$ Server
- Server $\Leftrightarrow$ App

# System Architecture





# System Components

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- Hardware Platforms
  - Ubuntu Server 14.04 w/ LAMP
  - MySQL Database for User Info
- Software Platforms / Technologies
  - Xcode 6.1
  - Web Editor 2.0
  - PHPMyAdmin
  - App designed in Swift 1.0 for IOS 8

# Testing

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- iPhones & iPad
- Xcode Simulator
- Test making appointments from devices

# Risks

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- Email Verification
- User Questions
- Embedding Images
- Push Notifications
- Feature Creep