# MICHIGAN STATE UNIVERSITY Project Plan Mobile Audit Itinerary

### The Capstone Experience

### **Team Auto-Owners**

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From Students... ...to Professionals

### **Project Overview**

- Underwriting Field Service Representatives
- Updates Policy Information via Excel Sheets
- Cannot update policies on the go

Mobile Audit Itinerary App

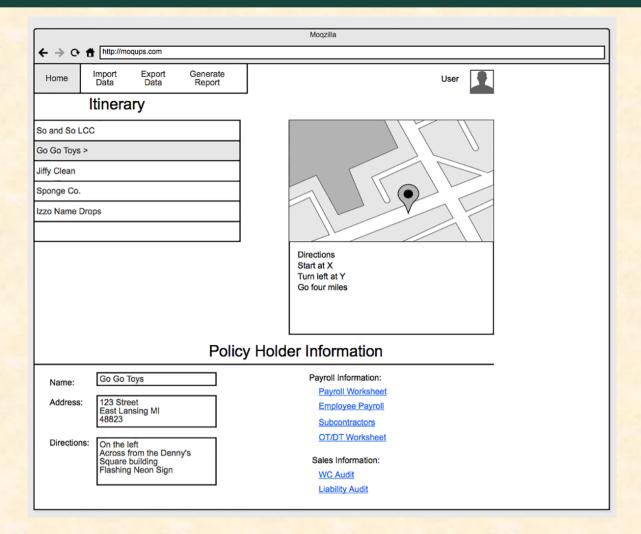
# **Functional Specifications**

- Login System
- Collect and update policy holder information
- Manage Itinerary
- Google Map with Driving Directions
- Generate PDF Report
- Import and Export files
- Available both on and offline
- Cached locally for offline use
- Responsive Design

## **Design Specifications**

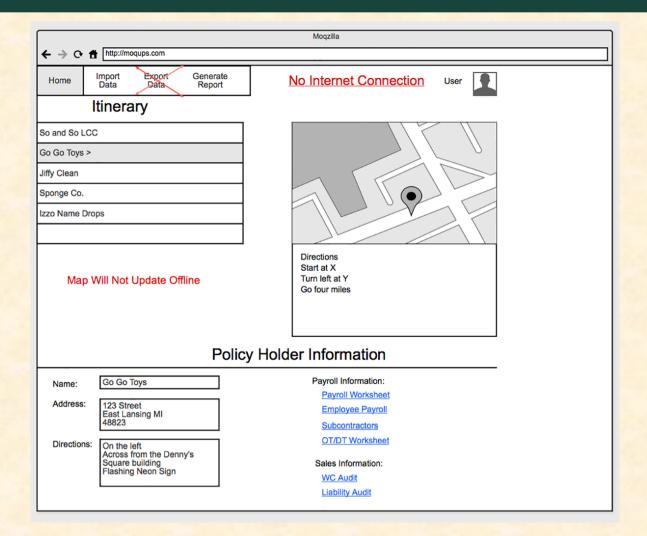
- Login Page
- Main Page
- Main Page Offline
- Mobile
- Mobile Offline
- Generate Report
- Import Data

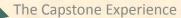
# Screen Mockup: Main Page



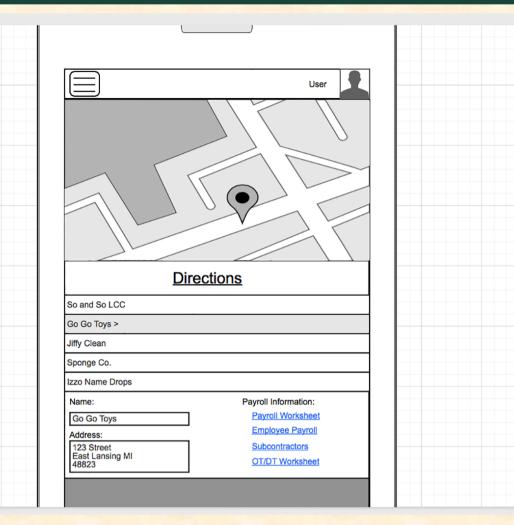


## Screen Mockup: Main Page (Offline)





### **Screen Mockups: Mobile Application**



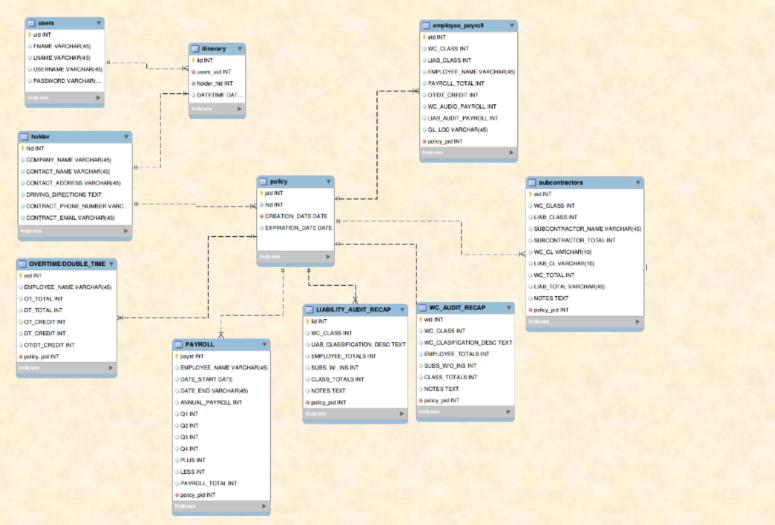
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#### Team Auto-Owners Project Plan

# **Technical Specifications**

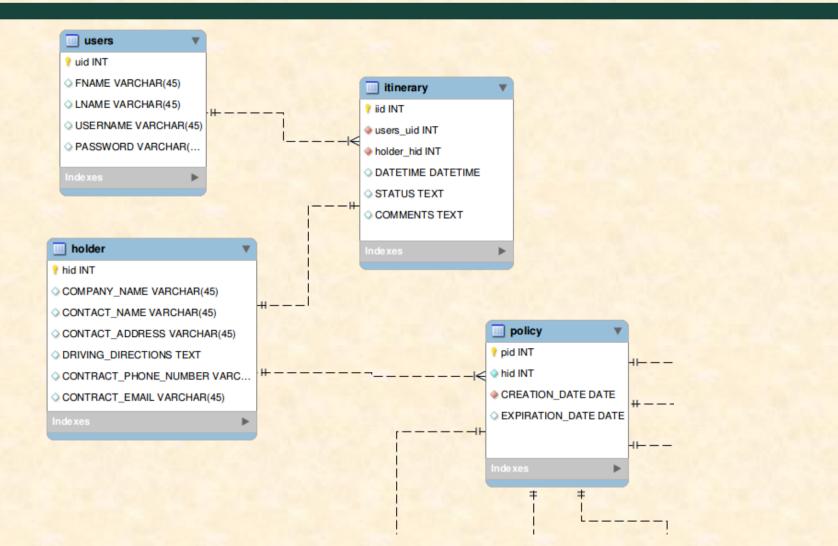
- HTML5
- CSS3
- Javascript
- jQuery
- JavaServer Pages
- Bootstrap

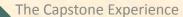
### **Technical Specifications**



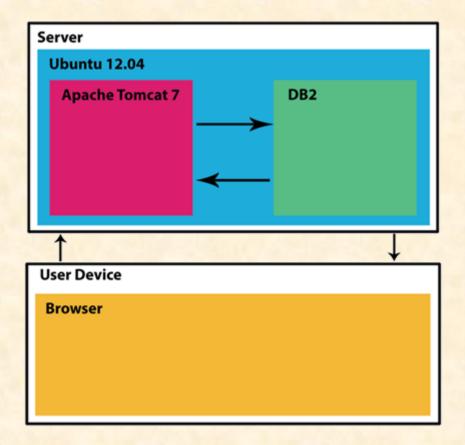
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# **Technical Specifications**





# System Architecture





### System Components

- Hardware Platforms
  - Dell PowerEdge R210
  - 2.8 GHz Intel Xeon X3460
  - 8GB 1333 MHz Dual Ranked UDIMM
- Software Platforms / Technologies
  - Apache Tomcat7
  - Ubuntu 12.04
  - IBM DB2

### Testing

- Rapid Prototyping
  - Offline Caching
  - User-Interface
  - PDF Generation
  - XML Import/Export
- Frequent Check-ins with Client
  - Verify Standards

### Risks

• DB2 database

Client-Side PDF Generation

- HTML5 Caching
- Excel Spreadsheet Migration

