Project Plan
Applications for Mobile Devices

Team 1. Auto-Owners Insurance
CSE 498, Collaborative Design

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Project Overview

- iPhone, Windows Mobile, Blackberry
- Locate Agencies
- Gather information
- Submit data to Auto-Owners
Functional Specifications

- Determine user type
  - Validate user if Agent or Insured
- Locate Agencies by GPS, address or ZIP code
- Gather information about potential claim
  - Includes taking pictures
- If user is insured or non-insured
  - Email information to an agent
- If user is an agent
  - Submit data to Auto-Owners
Design Specifications

- First-use screen to determine user type
- Main Screen
  - Options to Locate Agency or Gather Information
- Locate Agency
  - Display map with pins for agency locations
  - Clicking pin should display agency information
- Gather Information
  - Text input fields for main information needed
  - Ability to take and store pictures
  - Non-Agent: Send email to a located agent
  - Agent: Start first notice of loss
Screen Mockups

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Screen Mockups Cont.
Technical Specifications

• Connect to Auto-Owners web service to retrieve location of agents
• Retrieve policyholder information from Auto-Owners
• Connect to Auto-Owners web service to send information regarding first notice of loss
• Locally store accident/claim information
Architecture Illustrated

Team 1. Auto-Owners Insurance

- Agent Locator
- Collect Accident Info
- Submit First Notice of Loss
- Main Screen
- Map Viewer
- Accident Info Collection
- First Notice of Loss
- Auto-Owners Independent Agent
- Policyholder & Non-Policyholder
- Mobile Device GPS
- Mobile Device Camera
- Policyholder Info
- Webservices & Database
System Components

- **Hardware Platforms**
  - iPhone
  - Windows Mobile
  - Blackberry

- **Software Platforms / Technologies**
  - iPhone
    - Xcode 3.2 – iPhone 3.0 SDK – Objective-C
  - Blackberry
    - Eclipse 3.4 – BlackBerry 4.5 SDK – Java
  - Windows Mobile
    - Visual Studio 2008 – Windows Mobile 6.0 SDK – C#
  - Apache Web services
Testing

- Simulator testing only for BlackBerry and Windows Mobile
- Hardware testing for iPhone
- Web services stubs created for testing
  - No access to internal Auto-Owners databases
- Usability testing
Risks

- Displaying map in Windows Mobile
- Receiving data from Auto-Owners web services
- Sending data to Auto-Owners web services
- Internet connectivity on mobile devices
- Mobile platform design – usability
- Not having real hardware to test on
  - Handling devices without GPS or camera