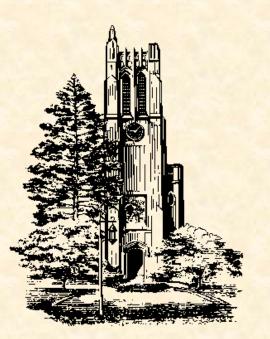


Project Plan Applications for Mobile Devices



Team Urban Science CSE 498, Collaborative Design

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Project Overview

- Develop iPhone and Blackberry app to assist automotive companies in placing dealerships and evaluating their performance.
- Generate media-rich content (maps, charts, tables) that is easy-to-view on mobile devices (Blackberry Bold and iPhone).
- Create novel design that allows for usability but also aesthetics ("sizzle factor").



Functional Specifications

- Login
- Search
- Bread Crumb Trail
- Chart View
- Data Maps
- Dedicated Menu



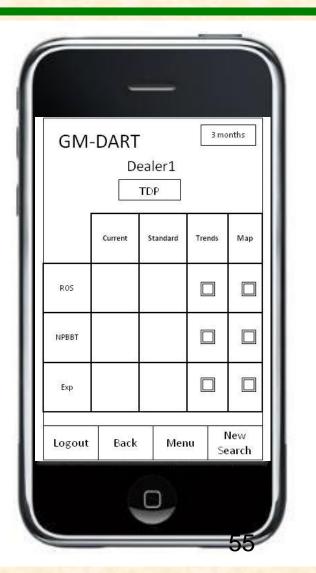


Design Specifications

- Use Cases
 - Field Employee
 - Dealership
 - Corporate Worker
- Screen Mockups
 - Blackberry
 - iPhone
- Data Flow Diagram

Screen Mockups

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	Current	Standard	Trends	Мар
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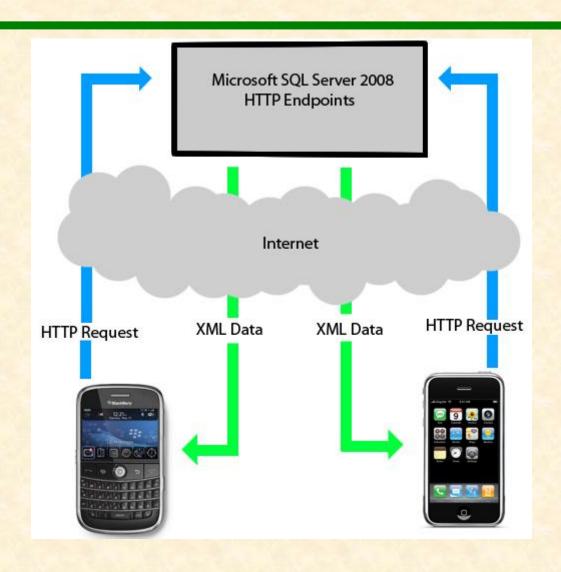


Technical Specifications

- Server Setup
 - Microsoft SQL Server 2008
 - HTTP endpoints used to access stored procedures in database
- Client Setup
 - iPhone Client
 - Written in Objective C with the iPhone SDK
 - BlackBerry Client
 - Written in Java with the BlackBerry plug-in for Eclipse
 - Communication with server
 - HTTP calls are used on each client to connect with the SQL server and retrieve XML data

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Architecture Illustrated



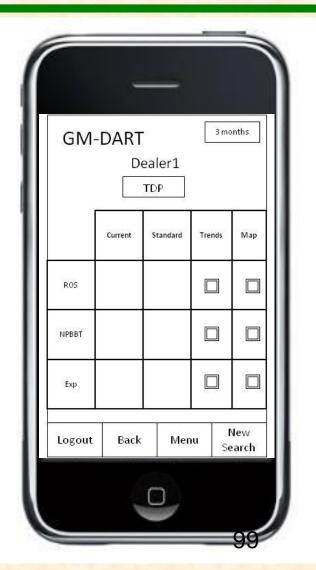


System Components

- Hardware Platforms
 - Virtual Windows XP Professional on Intel Core 2
 Extreme with 4 GB RAM and NVIDIA 8800 gt
 - Windows 2003 Server with 1 GB RAM
 - Blackberry Bold 9000 and iPhone 3Gs
- Software Platforms / Technologies
 - Eclipse 3.4 with Blackberry SDK 1.7
 - iPhone SDK 3.1.2 with Xcode
 - Blackberry Bold 9000 and iPhone simulators

Testing







Risks

- iPhone and Blackberry SDKs
- Bing Maps API
- Accessing database from mobile device
- Developing easy-to-use apps for two very different devices