

Project Plan

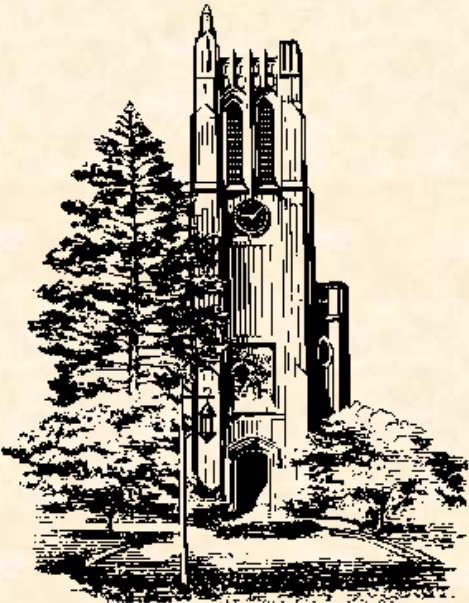
Automobile Dealership Dashboard

Team 8. Urban Science
CSE 498, Collaborative Design

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Michigan State University

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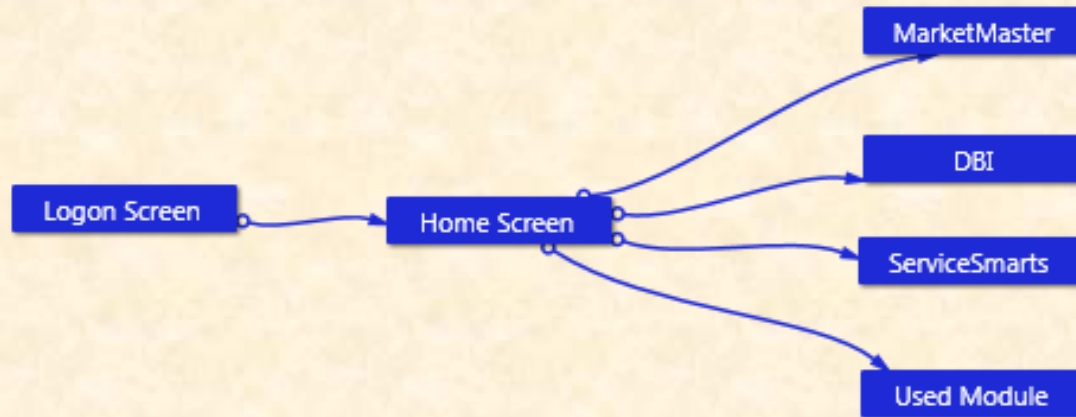
Project Overview

- Automotive Dealership Dashboard
- Consolidate business intelligence from other Urban Science products
- Web-Hosted Silverlight Application
- To be utilized by OEM field personnel and dealership management
- Provide up to date and easy to read business intelligence data

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Functional Specifications

- Login screen for accessing data
- Provide linking to other Urban Science products (if they have access)
- Pull information from central ISS database





Design Specifications

- Adhere to Urban Science company image
- Display data in text, chart, gauges
- Customized views for different user roles
- Ability to save custom dashboard layout
- Dynamic windows capable of being moved around, resized, and removed
 - Tabbed windows for more information, less clutter
- Charts and gauges drill-down to more specific information
 - Link to other Urban Science applications



Screen Mockups

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URBAN SCIENCE Welcome, [username](#)
[My Products](#) | [Settings](#) | [Logout](#)

Navigation Navigation Navigation Navigation DealerBizIntel MarketMaster ServiceSmarts UsedSmarts

Widget 1: Empty box

Widget 2: List of items with colored circles

- Lorem Ipsum Dolor ●
- Lorem Ipsum Dolor ●
- Lorem Ipsum Dolor ●
- Lorem Ipsum Dolor ●

Widget 3: Summary statistics

Lorem Ipsum Dolor	1800	Lorem Ipsum Dolor	39%
Lorem Ipsum Dolor	45%	Lorem Ipsum Dolor	2259

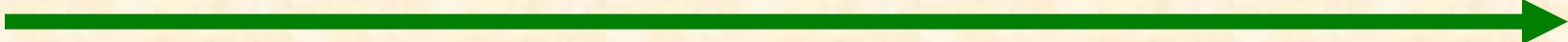
Widget 4: Line charts

Column	Column	Column	C	Column	Column	Column
Lorem	Ipsum	Lorem		Ipsum	Lorem	Ipsum
Lorem	Ipsum	Lorem		Ipsum	Lorem	Ipsum
Lorem	Ipsum	Lorem		Ipsum	Lorem	Ipsum
Lorem	Ipsum	Lorem		Ipsum	Lorem	Ipsum
Lorem	Ipsum	Lorem		Ipsum	Lorem	Ipsum
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Lorem	Ipsum	Lorem		Ipsum	Lorem	Ipsum
Lorem	Ipsum	Lorem		Ipsum	Lorem	Ipsum
Lorem	Ipsum	Lorem		Ipsum	Lorem	Ipsum
Lorem	Ipsum	Lorem		Ipsum	Lorem	Ipsum
Lorem	Ipsum	Lorem		Ipsum	Lorem	Ipsum
Lorem	Ipsum	Lorem		Ipsum	Lorem	Ipsum

Widget 5: Bar charts



Screen Mockups

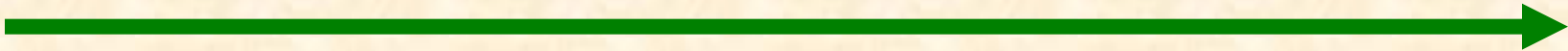


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Screen Mockups



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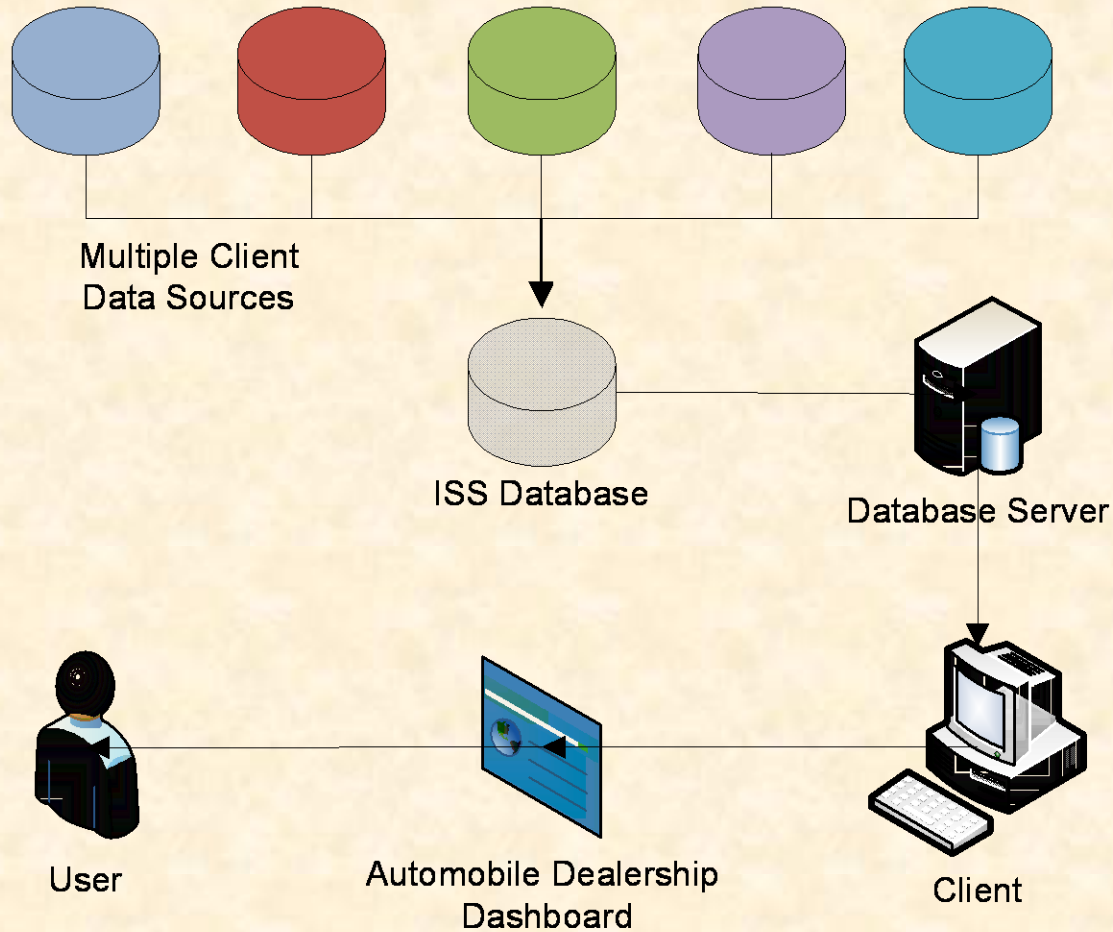


Technical Specifications

- XAML defines user interface
- C# defines the behavior behind user controls
- ISS database hosted on SQL Server 2008
- Development Software
 - Expression Blend 3
 - Visual Studio 2005
- Silverlight Toolkits
 - Microsoft Silverlight Toolkit
 - Telerik RadControls for Silverlight



Architecture Illustrated





System Components

- Hardware Platforms
 - PC
 - Mac
- Software Platforms / Technologies
 - Windows Operating Systems
 - Mac OSX
 - Microsoft Silverlight
 - SQL Server 2008
 - All Silverlight Supported Browsers



Testing

- Login Screen/User Preferences
 - Security Testing
 - Valid User/Password
 - Preferences Saved
- Dashboard Functionality
 - Navigation
 - Drill-Down Features
 - Data Confirmation
- Urban Science Product Linking
 - Hyperlink Integrity
 - Pass Login Credentials



Risks

- Unfamiliar with Technologies
 - Team has little experience with .NET, XAML, C#, and Silverlight
 - Documentation online will provide a working knowledge on how each fits together
- Open Ended-ness
 - Very few requirements provided by client
 - Close client contact to ensure a product that satisfies client expectations
- Reliance on Client Provided Prototype Database
 - Provided database is currently in developmental stage (40% done)
 - Dynamic software that will allow for additional components