MICHIGAN STATE
UNIVERSITY

Project Plan
Infographic Generator

The Capstone Experience

Team Urban Science

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From Students…
…to Professionals

Project Overview

- Standalone web app to display infographics

- Display information on vehicle sales, service and lead management

- Convey information to OEM's

- Building custom library to generate elements of the infographic
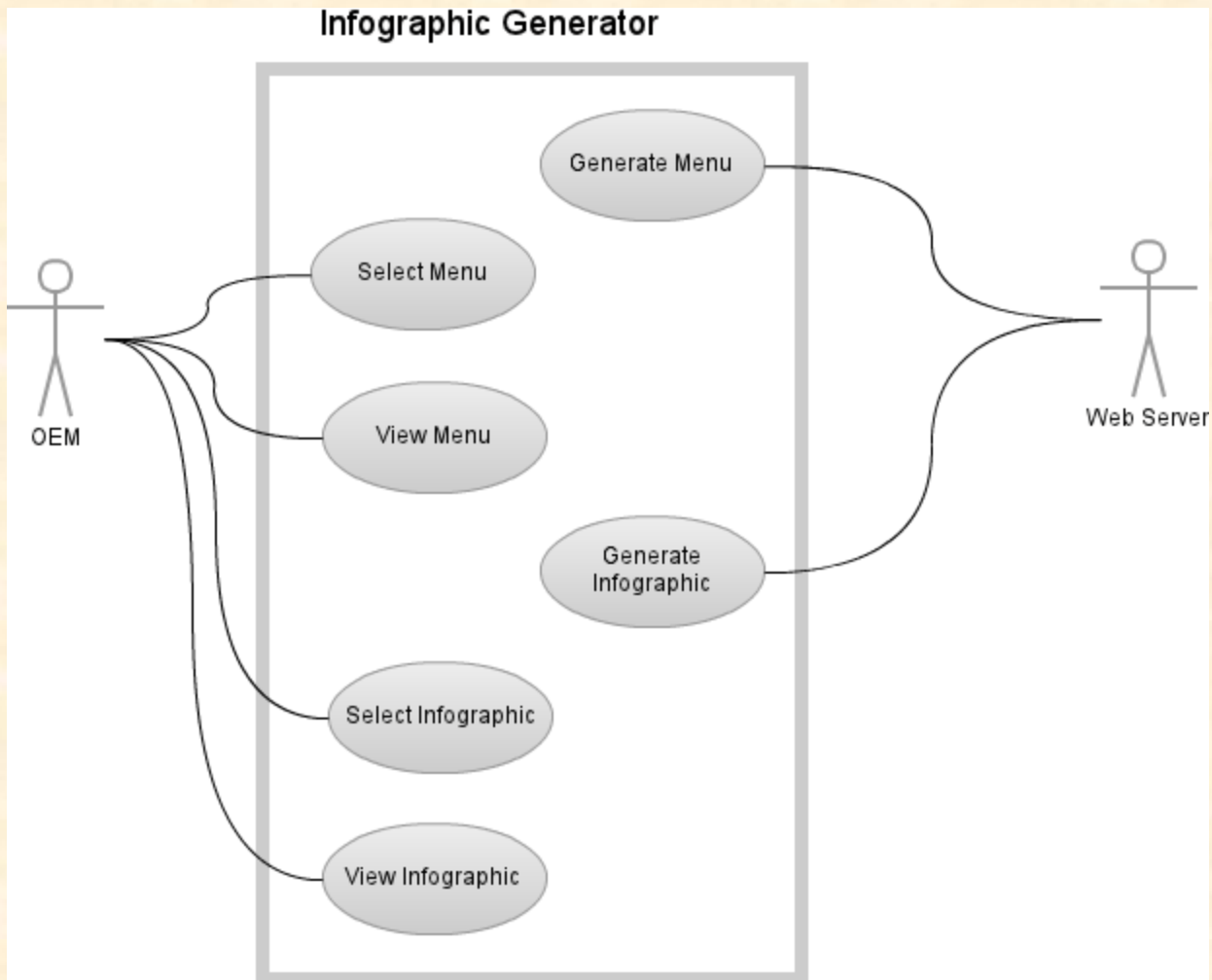
Functional Specifications

- Spreadsheet data

- Creative presentation with animations

- Intuitive display of relevant data

- Easy navigation through main categories

Design Specifications

- Lazy Susan style menu

- Native app feel with touch gestures

- Each infographic displays monthly data

- An Infographic contains many infographic elements

Use Case Diagram

Screen Mockup: Lazy Susan Menu

Screen Mockup: Infographic Screen

Screen Mockup: Infographic Screen
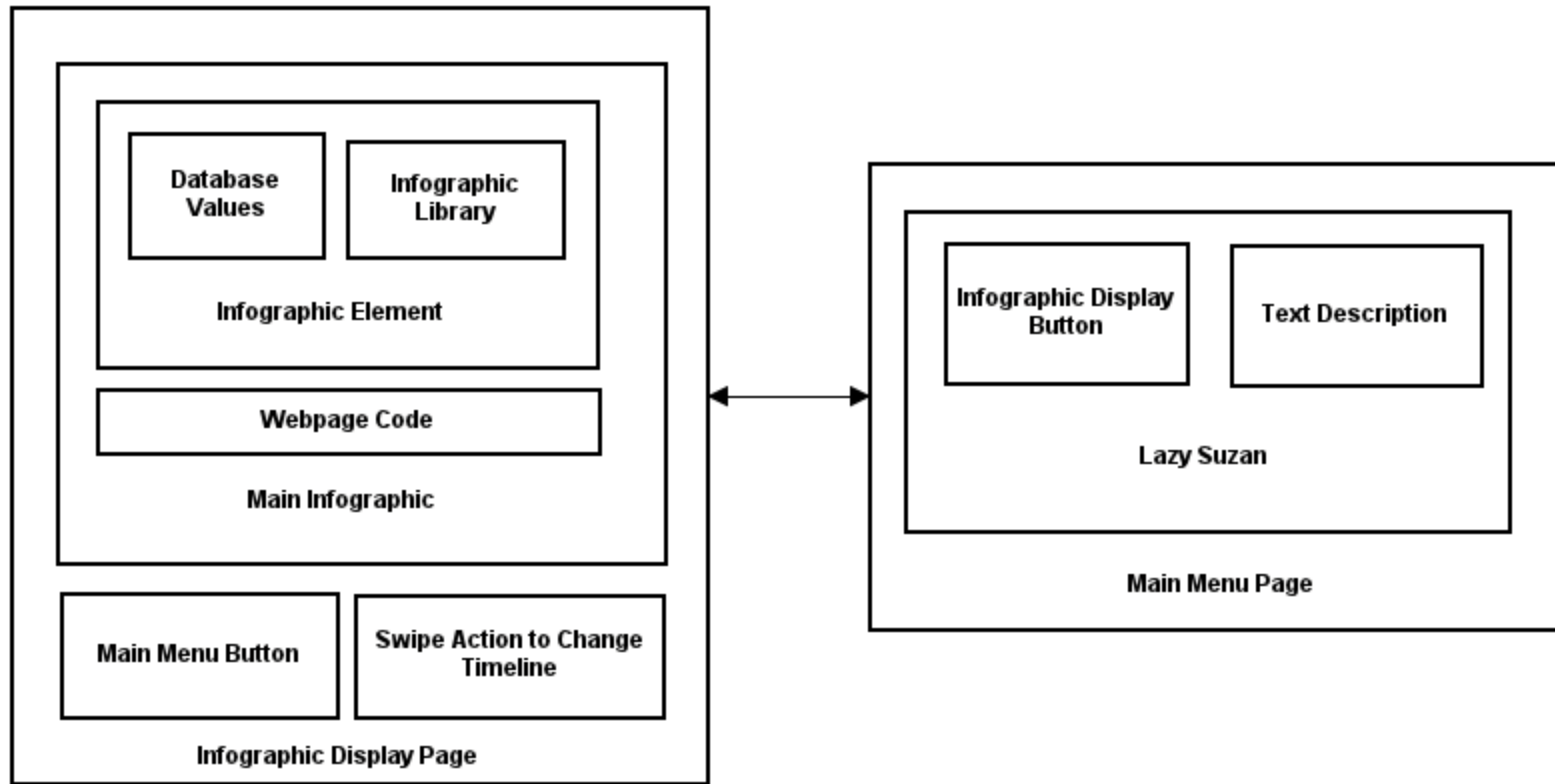

Team Urban Science Project Plan

Screen Mockup: Infographic Screen

Technical Specifications

- Infographic will be based on Key Performance Indicator (KPI) data from SQL database

- Pass database information to infographic via XML file

- Each infographic written in HTML5 and JavaScript

- Supported on iPad via Safari

System Architecture

System Components

- Hardware Platforms
  - iPad
  - Personal Computer
  - Web Server - IIS7
- Software Platforms / Technologies
  - JavaScript and HTML5
  - ASP.Net
  - SQL database

Testing

- Safari for iPad Browser Compatibility

- User experience

- Web-app performance

- Orientation display

Risks

- Languages
- Ambiguous Requirements
- Scheduling
- Artistic Ability