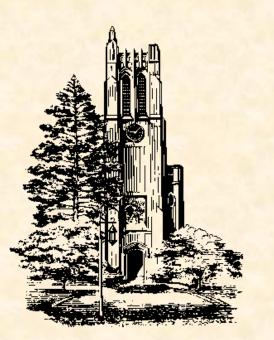


Project Plan Mobile Health Management System



Team Medtronic CSE 498, Collaborative Design

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Project Overview

- Portable Health Management System
- Improve health and prevent future health problems
- Two applications to track health:
 - iPhone Application
 - Web Application



Functional Specifications

- Collect food and exercise information from user
- Create goals
- Track progress:
 - Quick progress meter on home page
 - Individual goal progress graphs
- Display current nutrition counts
- View device data
- Easy to use!!!

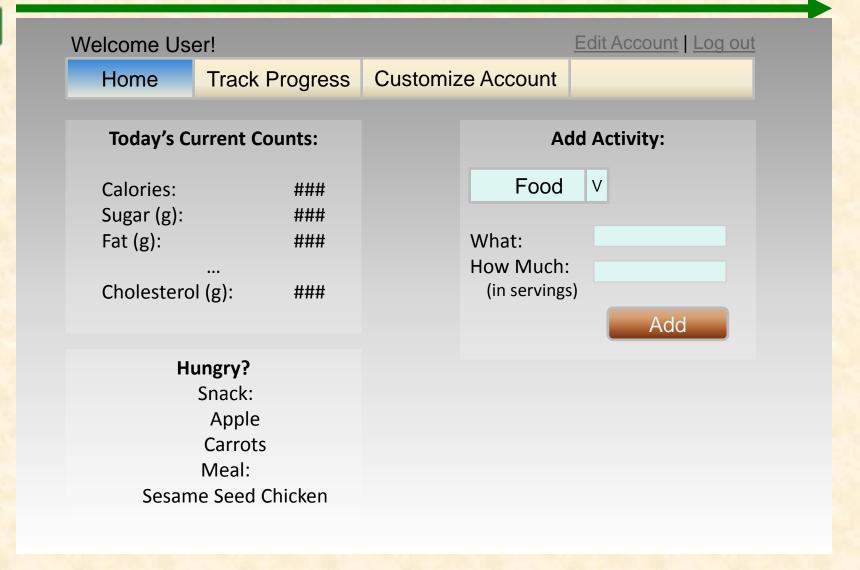


Design Specifications

- Most used functionality on the home page
 - Inputting food and exercise
 - Viewing daily nutrition counts
 - Progress quick view
- Graphs displayed are based on goals the user selected to track
 - Less cluttered
 - More user specific

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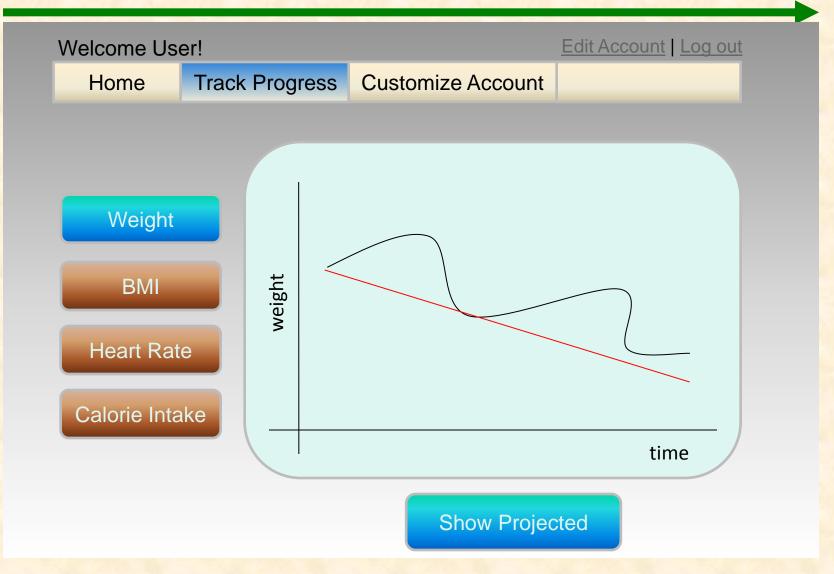
Web Application Screen Mockups



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Web Application Screen Mockups



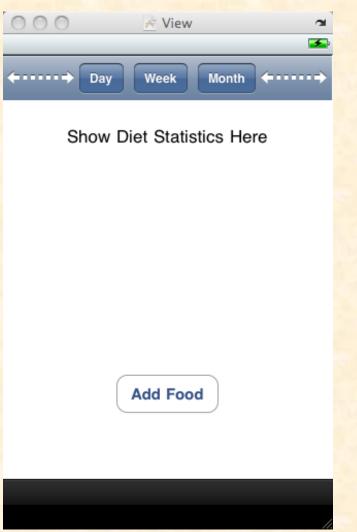


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iPhone Application Screen Mockups









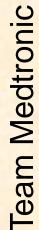
Technical Specifications

iPhone:

- Will be run on all iPhone OS
- Will use touch screen along with other hardware features
- Developed using iPhone SDK

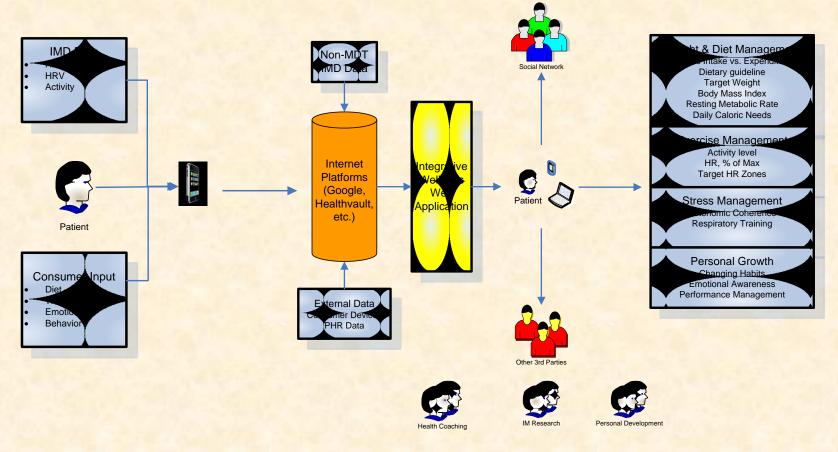
Web:

- IE7, IE8, Firefox 2.*, 3.*, Safari
- Compatible with 800x600 to 1280x1024 screen resolutions
- Developed with Java and HTML
- Use of Apache Tomcat





Architecture Illustrated

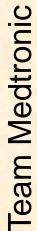






System Components

- Hardware Platforms
 - Windows Sever 2003
- Software Platforms / Technologies
 - Apache Tomcat
 - Grails/Groovy
 - MySQL



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Testing

- iPhone:
 - Personal use
 - Unit testing
 - Cross over regression testing
- Web:
 - Use debuggers through Grails
 - Line by line checking
 - Cross over regression testing



Risks

- Communicating Between iPhone and Server
 - Insert data into iPhone and save in database
- iPhone SDK
 - Graphic class
- Setting up Sever
 - Apache tomcat
 - MySQL
- Import information from Microsoft HealthVault