Beta Presentation
Medtronic Wellness Portal

The Capstone Experience

Team Medtronic
Vu Bui
Joseph Heldt
Zach Riggle
Chris Van Wiemeersch

Department of Computer Science and Engineering
Michigan State University
Fall 2010
Project Overview

• Goal
  ▪ Assist Medtronic patients manage health through objective measurements and displaying the effects of behaviors and choices

• Solution
  ▪ Create a Web and iPhone application which track patient health data as automatically and seamlessly as possible, displays useful recommendations based on that data, and assists patients in tracking and achieving health-related goals
System Architecture
Goals Screenshot

- Protein Consumed: 73 / 50, 146%
- Carbs Consumed: 169 / 300, 56%
- Fat Consumed: 42 / 65, 65%
- Net Calories: 297 / 2000, 15%
- Sodium Consumed: 3931 / 2300, 17.1%
Search Screenshot
Food Log Screenshot

- **Wednesday, Nov 10, 2010**
  - Strawberries, raw (1 cup, whole) (Generic)
    - 12:17 PM - Consumed Servings: 1
  - Coke Zero (Coke)
    - 12:18 PM - Consumed Servings: 2
  - 6in Italian BMT (Subway)
    - 12:19 PM - Consumed Servings: 1

- **Thursday, Nov 11, 2010**
  - Mountain Dew, Can (Mountain Dew)
    - 12:18 PM - Consumed Servings: 2
  - Cheddar Cheese (Generic)
    - 12:19 PM - Consumed Servings: 1
Scan Food Screenshot
Goal Graph Screenshot
Exercise Duration Screenshot
Data List Screenshot
Search Screenshot
Goal List Screenshot
Food Log Screenshot
What’s left to do?

- Minor bugs fixes
- Styling web-app layouts
- Recommendations for additional data types
- Interface polish
- iPhone app optimizations