Alpha Presentation
Medtronic Wellness Portal

The Capstone Experience

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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

User
Web Browser
Web Application
RESTful Web Service
Database
Web Services
- DailyBurn
- Google Health
- Other Interfaces
- Medtronic Device
User
iPhone App
Web Application
Network
- RESTful Web Service
Medical Data
Measurements
Nutrition Facts
HTTP
Web Application Dashboard

The Capstone Experience

Team Medtronic Alpha Presentation
Web Application Graphs
iPhone App Screen Shots

- Baby Back Ribs (Chilis)
- Baby Back Ribs (PLUMRO...
- Baby Back Ribs (Tony Ro...
- Pork Baby Back Ribs (But...
- Pork Baby Back Ribs (Gen...
- Baby Back Pork Ribs (Gen...
- Generic BBQ Baby Back...

Baby Back Ribs (Chilis) Details:
- Calories: 970
- Calories from Fat: 594
- Total Fat: 66
- Saturated Fat: 24
- Trans Fat: 0
- Cholesterol: 0
- Sodium: 3970
- Total Carbohydrate: 33
- Dietary Fiber: 3
- Sugars: 0
- Protein: 56

I ate this
Add to Fav
What’s left to do?

• Web App
  ▪ Goal Creation and Triggers
  ▪ Presentation and Aesthetics
  ▪ Integrate Google Health changes
  ▪ Automatic import of mocked Minimed data

• iPhone App
  ▪ UI Improvements
  ▪ Remaining API calls to Web App