Medicine Reminder & Shampoo/Conditioner Identification Device

Week 4 Progress Report
Team 5:
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Work Completed

• Medication Reminder Program
  – Further Reading from the general book done
  – Actual writing of the program to come in the future

• Palm OS Programming Book
  – First three chapters read
    • General Palm Information (Memory, OS, Screen, etc)
    • Creating an operating system application
    • Fields, Menus and Alerts
Work Completed

- Medicine Storage Box Planning
  - Wood material
    - To match the décor of the client’s house
  - Removable Shelves
    - To offer increased customizability for different bottle sizes
    - Choosing optimal shelf pins
  - Received client feedback on design
Future Work

• Last 2 chapters to be read from the new book
  – Creation of main routines
  – Adding application Icons
  – Reusable menu resources

• Further discussion of the medication storage box idea + accessory/additional features
Project Review

• Goals
  – Medication Storage Box
    • Give Mrs. Smith 1 box to keep all her medicine in
    • Allow for flexibility of bottle size changes (with shelves)
    • Continue looking at wood types for storage box material
  – Programming
    • Palm Formatting
Work Completed

- Audio output method chosen
  - SP03 for its modular capabilities as a speech synthesizer
    - Easy to use
    - Contains voice data synthesis, transfer and storage and all in one module.
Future Work

- Obtaining SP03 module
- Installing and setting up software
- Soldering RS232 connections
- Explore usage of SP03 and its compatibility with our waterproof speaker
- Programming SP03 module with “Shampoo”/“Conditioner” voice responses
- Write PIC code for parallel data transfer used to call voice responses from SP03
- Filter any residual noise
Project Review

- Audio output method chosen
- Project progress is at roughly 50% to completion
- SP03 module should arrive either this week or next
  - In the meantime, fine tuning of the sensor to PIC’s LED’s will be done along with planning of the device casing.
Hours Worked

- Sheldon: 12
- Karla: 15
- Kenta: 15

- Total: 42