Medicine Reminder & Shampoo/Conditioner Identification Device

Week 6 Progress Report
Team 5:
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Work Completed

- **Medication Reminder Program**
  - Further Reading from the general book done
  - Sample Portion of Medication Reminder Program Written

- **Palm OS Programming Book**
  - Chapters Four through Seven read
    - Generic Main Routines (Reusable Code Resources)
    - Bitmaps Labels and buttons
    - Selector Triggers, Repeating Buttons, Sliders
    - PushButtons and CheckBoxes
Work Completed

- **Medicine Storage Box Planning**
  - **Shelf Pins**
    - Metal over Plastic (Inexpensive)
  - **Removable Shelves**
    - Four adjustable/removable shelves
    - One or two door design
  - **Additional Storage Box Items**
    - Magnets
    - Glue
    - Hinges
Future Work

- Finish reading Palm OS Book
  - Schema Databases
  - Lists
  - Tables
  - Classic Databases
  - User Interfaces
- Debugging Sample portion of Medication Reminder Application
Project Review

- **Goals**
  - Medication Storage Box
    - Decide on Number of doors
    - Prices for Glue, Hinges, Pins
    - Evaluation of Production Time for Storage Box
  - 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
Shampoo/Conditioner Identification Device

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: 20
- Karla: 20
- Kenta: 24

- Total: 64