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

• 1 of 3 Books received
  – Palm OS Programming Book
  – Came in Saturday so further reading still being done.
Work Completed

- PDA Casing Material Received
  - ABS
    - Slightly scratched
    - Impact resistance checked by hand
  - Polycarbonate
    - Clearness checked (excellent)
    - Impact resistance checked by hand also
Work Completed

• Medication Storage Box
  - General designs made and sent to client contact to receive feedback
  - Largest bottle Mrs. Smith owns is 7in tall
  - Due to large bottle, box may become slightly large
Future Work

- More reading for the program to be done from the new book
- 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 sizes changes
  – Programming
    • Palm Formatting
Shampoo/Conditioner Identification Device

Work Completed

- Debugging finished!
  - For the first block of code made

- Current circuit can distinguish incoming square waves to turn on 1 of 2 LEDs based on frequency

Figure 2: Color Identification by frequency and its relation to amount of Timer1 Overflows.
Future Work

• Begin working on the SSP module for serial data transfer between the PIC and the external memory chips.
• External memory chips received on Friday so work can be started.
Shampoo/Conditioner Identification Device

Project Review

- First phase of circuit done
- Work to get voice responses on memory chip to begin
- Overall schedule now back to as projected
Hours Worked

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

- Total: 42