Project Identity

Shampoo/Conditioner Identification Device & Medication Reminder
Week 6
Karla Sittnick

Work Completed

The past weeks have been spent researching and creating programs for the Palm OS operating system. The following chapters were read throughout the past week and the information contained within the chapters was used through the Palm OS Developer Suite. The following will cover important aspects of the reading and how it was utilized in the beginning stages of writing a program.

Chapter four covers important aspects of design including the creation of generic main routines, reusable menu resources, reusable menu code, adding application icons with respect to color and resolution of the Palm OS and big versus small icons. The chapter also discusses running your application on the Palm OS and finally concludes with code listings.

Chapter five contains information regarding bitmaps, labels, and buttons. It covers changes with respect to form bitmaps, labels, and button resources, as well as, button code and how to display forms that are changing in size. The chapter goes on to explain how to test the about form and change data forms. It concludes with another section on code listings including fabout.c and fabout.xrd.

Chapter six covers information about selector triggers, repeating buttons and sliders. The beginning of the chapter covers changes to fdetail.xrd. The section covers selector trigger buttons, repeating button resources, and slider control resources. The next section covers changes to fdetail.c and includes information regarding the creation of util.h, how to enable and disable controls, selector trigger code, repeating button code, slider control code, custom drawings on a form, and feedback sliders. The chapter concludes with a section outlining how to test a detail form and additional code listings.

Chapter seven covers pushbuttons and check boxes. The chapter included a section on adding ftime.xrd with respect to pushbutton resources, check box resources, and finishing touches. The next section included additional support for the time form. This section discussed displaying a complex modal dialog within the function call, push button code, check box
code, repeating buttons, and testing. The final sections concluded with testing the time form and final results.

Throughout the past weeks, the Palm OS programming book has been used to navigate through the Palm OS Developer suite. The resource has proven to be a great help in understanding how to create a program for the Palm Operating System. The Developer Suite has been used to begin creating sample portions of program that execute tasks similar to portions of the Medication Reminder Program Description. Research has also been done on the Eclipse workbench, as it may play a role in the creation of the Medication Reminder Program.

**Future Work**

The following weeks will be spent reading the rest of the resource on the Palm Operating System. The Palm OS Developer Suite will continue to be used along with the addition of the Eclipse workbench to create sections of the Medication Reminder Program. Once a sample portion of the Medication Reminder Application has been written and tested to work appropriately under the simulated conditions, the sample Medication Reminder Application will be loaded onto the Palm device.

The next chapters within the Palm OS reference book include information on schema databases, lists, tables, categories, and classic databases. The book concludes with chapters on creating effective user interfaces, summary of tools and solutions, and information for older Palm OS operating systems in the case that the application would be loaded to a device without a Palm OS Cobalt operating system.

**Project Review**

In review, the research for the Medication Reminder Program has been coming along at a rigorous pace. The amount of information needed to write the program is an important part of the project. The research will continue throughout the project, as the actually writing of the program has begun. Sample sections will be written and completed in the following weeks and then may be loaded on to the Palm device being used for this project.

**Hours Worked**

20 hours