Title: Medication Task Allocator

Problem

Medication tracking can become very complicated and time consuming for people, especially for people who have medical conditions. This app strives to alleviate stress for people taking medication through the use of the scheduling features and task descriptions for each drug. This will help the users because throughout the day they can check to see which medications they need to take and when, also with descriptions. One example of a task description would be the client needing to eat with a certain drug. These features will make tracking medication easy for all ages and ensure healthy living.

Users

The primary users for this tool would be everyone that needs to take medicine. This means technically everyone could be a potential user at one point in time. The primary users of this tool would probably be older adults who may need extra assistance in remembering schedules because of either loss of memory or simply because an extremely busy schedule. Because this tool is rather general in its functionality and the user inputs the information needed, there wouldn’t need to be specific information sought out from medical professionals for development. Although specific information on drugs isn’t needed from professionals, advice on design and functionality could be very helpful information.
Tasks

The main task for this tool will be adding pills to the application. Within this process there could be many different types of functions, but I will focus on the schedule of when the pill are to be taken and a description for the pill. Because these functions are correlated I believe a single task hierarchy with two separate paths makes most sense.

1) The user opens up the application

2) The user then can add a pill
   a. They can specify the schedule when to take the pill
   b. They can add a description to the pill
   c. They then submit the pill and its added to the schedule

3) Once the “add a pill” section is closed they are moved back to the main screen and can either add another pill or look through the schedule
Problem Scenario’s

Problem Scenario: Removing Medications

Bob has just started using the Medication Task Allocator and realizes that he added a pill with some wrong information. Looking for a section to edit the event he only finds an area to completely delete the event – which he doesn’t want to do. This is an issue because on can be assured that users will make mistakes therefore there needs to be systems in place to edit or delete medication events. To alleviate this issue there can be an edit a pill section where the users can go back and see their listed pills. In this area they will have the ability to view and edit the medications they inserted into the UI. Because of this issue Bob decides that he must delete the event and recreate it from scratch, wasting his precious time.
Problem Scenario: Elderly

Pop is an elderly grandfather who sometimes has issues reading what is on small screens. Usually older people require more medication then the average person; therefore, tailoring to their needs is crucial. For many of the elderly they all can confirm that eyesight is an issue, among other things. The standard text for Pop is way too small and currently there is no option to help him see the screen better. Because of this issue Pop is forced to use his monocle to read the screen – this can strain his eyes and may even force him to make mistakes while adding medications.

Usability Requirements

The user will need a smart phone to run the application and have necessary room on there phones memory to download the application. Other obvious requirements would be the ability to interact and see the screen for the tool to be effective.