# **Project Medication Tracker**

Richard Terry, Alice Smith, Eric Mott | June 8, 2019

# Overview:

Allow users to enter, view history and track medication usage, and recieve reminders.

#### Core Features:

- Add New medication
- View current and past medications
- tracking and reminders of current medication
- assign medication to current or past

#### Stretch:

- Refil reminders
- Remind later option on reminders
- Cloud storage
- Pictures

# Design Approach:

Create a medication object that will filled in by the user. It will get stored in a in app database allowing for history display and tracking. The medication db will be stored in a user object that is password or passcode protected.

User object calls up database and initiates all calls to update or view medication objects stored.

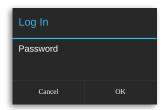
Medication object holds description, dosage, taking interval or time.

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Richard Terry, Alice Smith, Eric Mott | June 8, 2019 AddNewMedication <<interface>> <<interface>> UserAuthentication MedicationHome + Medication:type = text + dose:type = text + New Medication (onClick) button + day:type = date + Authentication(user):returnBool + Submit(onClick) button - Authentication(password):returnBool + time: type = h:m + history( onClick) button + toast print for new medication + getMedicaiton(medication) successful + setMedicaiton + getDose(dose) UserAuthuntcation +setDose +getDay(day) - userName:type = text +setDay + password:type = text (tbd) +getTime (time) + getUserName(onClick):bool +setTime - getPassword(onClick):bool + toast scussful (Toast) - verifyPassword(bool):bool <<interface>> <<interface>> Notification NewMedication + medication(type):view + medication(onClick):editText + dose(amount):view + dose(onClick):editText + date(day):view +day(onClick):editText + time(hh:mm):view + checkBox: button +time(onClick):editText + submit(onClick):button + notes(text):editText + homeButton:button HistoryMain UserNotifications + Medication:text + Day:date + alarm = defaultValue false <<interface>> + Time:hh:mm History -+ notes:text + getAlarm(alarm):bool +getMedicaiton - homeButton(onClick):home + showHistory(onClick):Medication,Day,Time,Notes - notes(onClick);enternotes +setMedicaiton + homeButton(onClick):MedicaitonHome +getDay + historyHome(onClick):newHistory +setDay +getTime +setTime +getNotes +setNotes +printHistory Stretch <<interface>> <<interface>> <<interface>> RefillNotification MedicationPicture CloudStorage +capturePicture(camera):image + Notification(text):text + CloudStorage(Medication): + Complete(onClick);button home(onClick):button + home(onClick):button RefillNotification MedPicture CloudStorage + newImage = blank + alarm(notification) + medication(medication) + getImage +savelmage + getMedication(text) + alarm(notification)bool = false + setMedication(text) + hetImage() + clear(onClick):button - setImage() + homeButton(onClick):button

- printImage()

# Login Page



Requires the user to enter a password before access the database

# Home Page



Main landing page. Links to all other functionality.

View Medications

Add Medication

If Taken

#### View Medications Page



A brief list of all medication objects in the database with a link to view the individual details.

#### Medication Detail Page

HEADER		
Item 1		
Item 2		
Item 3		

Displays full details of the selected medication with possible option to update time and reminders.

#### Add new Medication

Text			
Text			

Inputs to create a new medication object an add to database.

Add Medication