AMAD Project 2 Milestone 2

For this milestone I took a similar approach to my last project and began by creating the initial view, including the calendar and creating a data model. It was a lot easier creating the calendar because Android already has a calendar view that is pre-built. The only that I had to add was a onChangedDate listener. Using this listener, whenever a date is selected a different activity is started. This activity will contain a list view containing the selected days entries and floating action button that will allow users to add a new entry. The data model that I created is also going to be the same as my previous project since I found that it worked well.

Data Model

Day{

Int condition;

Int timeofday;

String daycode;

String notes;

ArrayList<String> steps;

}

Data{

ArrayList<Day> alldata;

}

Pseudocode

**Main Activity**

onCreate

load alldata

for entry in all data

if entry code == day in calendar

get entry.condition

change day background

create onDateChangedListener

create new intent

pass year, month, day

start new intent

onAppear

reload data

change background of new/edited entry if necessary

**DayDetailActivity**

onCreate

setOnClicklistener

start addDay intent

pass year, month, day

load alldata

populate listview using EntryAdapter

**Entry Adapter**

Create viewholder class for conditionImage, conditionType, and entryTime

getView

if convertView == null

set convertview

get textviews, imageview

else

set viewholder

if adapterdata!=null

set textviews content

switch entry.condition

set imageview

**Add Entry View**

Contains image buttons for routine steps, togglebutton for timeofday, plaintextview for notes

onViewWillDisappear

new day

check if step is selected for each step

if selected add to newday.steps

set newday.condition with selected condition

set newday.timeofday

set newday.notes

set newday.daycode

add newday to realm database