Medicine Alert and Reminder System (MARS)

Team Number: 16

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Introduction

Medicine Alert and Reminder System is the system which provides the complete system for medicine management. It helps users to add their medicines with the recommended time and the app will remind to take medicines on specific time. If a medicine must have a minimum gap of hours, then app will remind of the next dosage of medicine after recommended gap between two dosages.

For more detailed information go through the Increment-I Documentation:

https://github.com/pareshkasare/ASE_Project/blob/master/Documentation/Increament-1%20Report.pdf

Increment Objectives

OBJECTIVES:

The main aim of this phase is to provide an overview of the project and the tasks that are completed till third increment.

Features of Third Increment

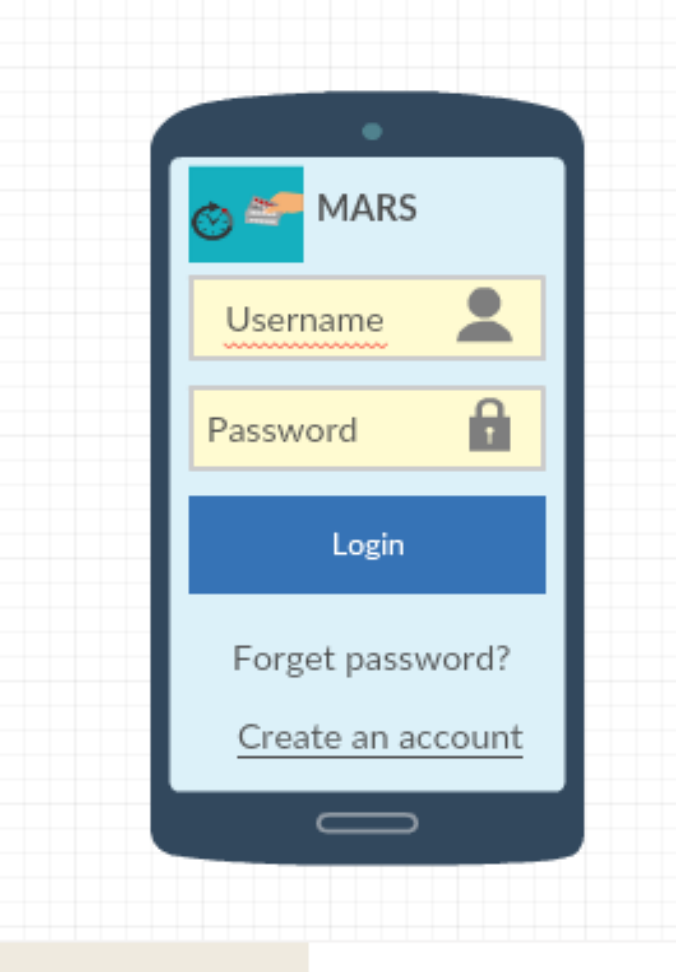
Features we are deploying are:

- Add notifications per day
- Display medicines
- Delete alarm manager in update activity
- Delete medicine
- Change medicine schedule
- Increase/Decrease medicine quantity

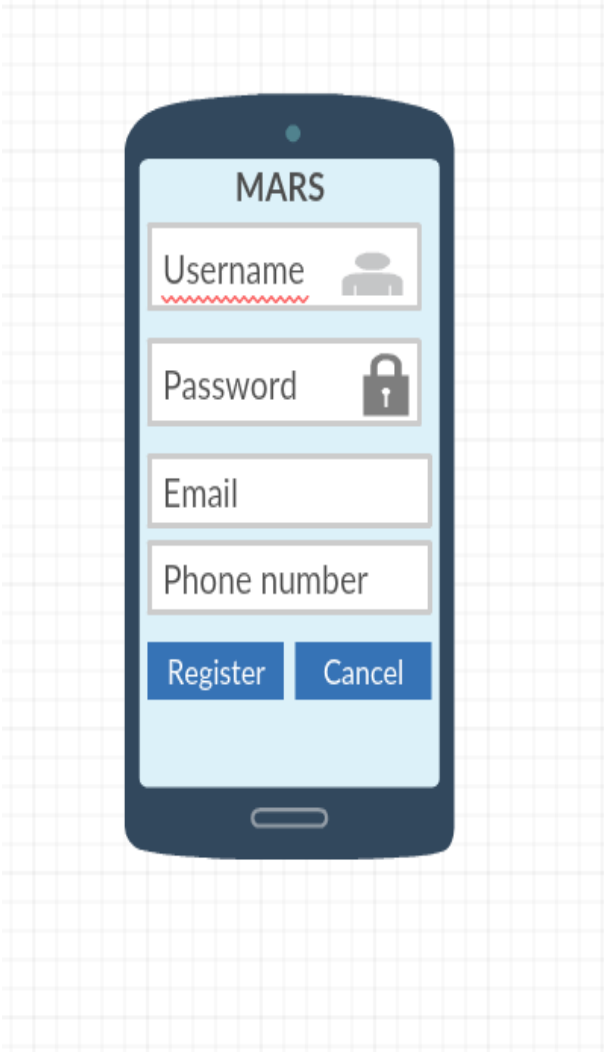
Detailed Design Features (Wireframes & UML)

First Increment:

Login Wireframe:

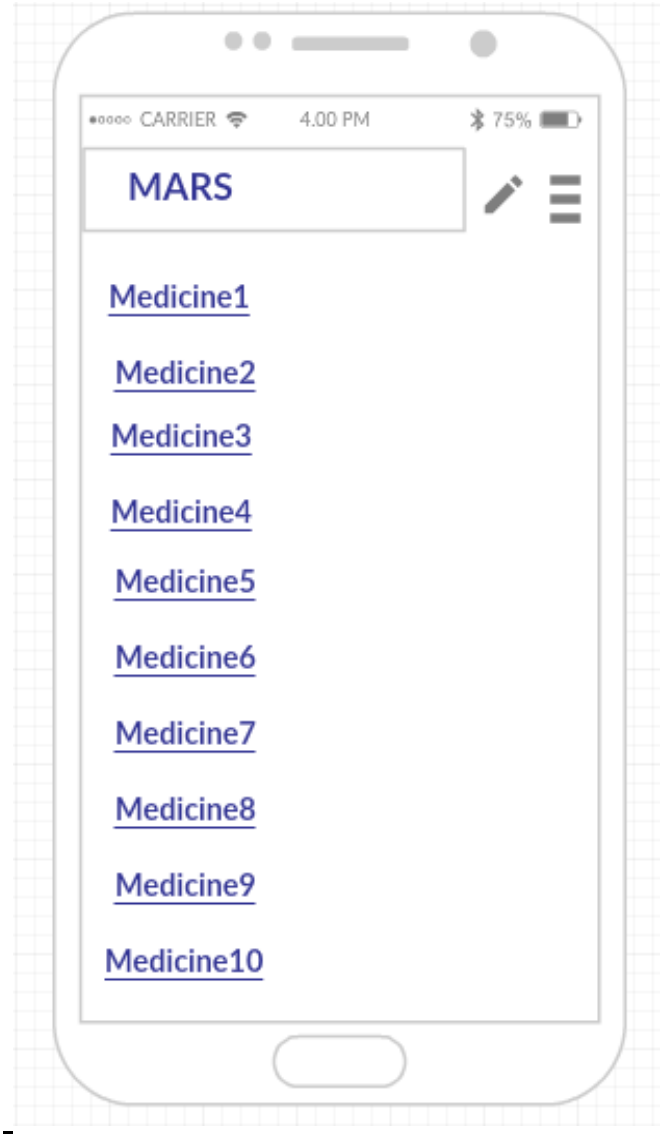


Register Wireframe:

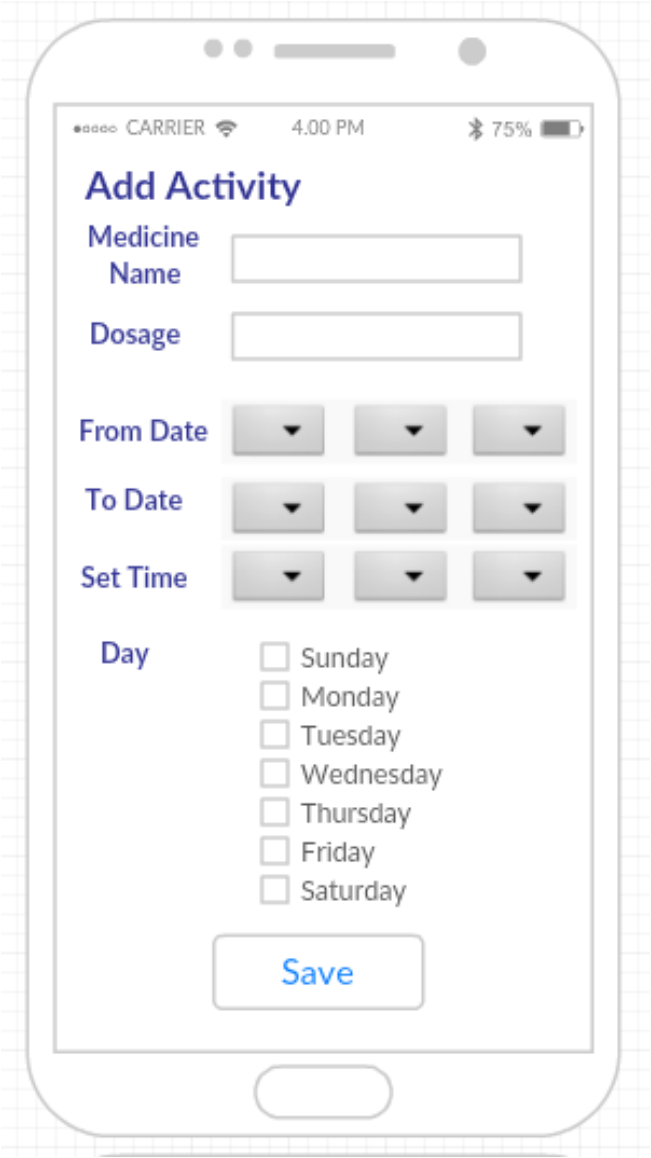


Second Increment:

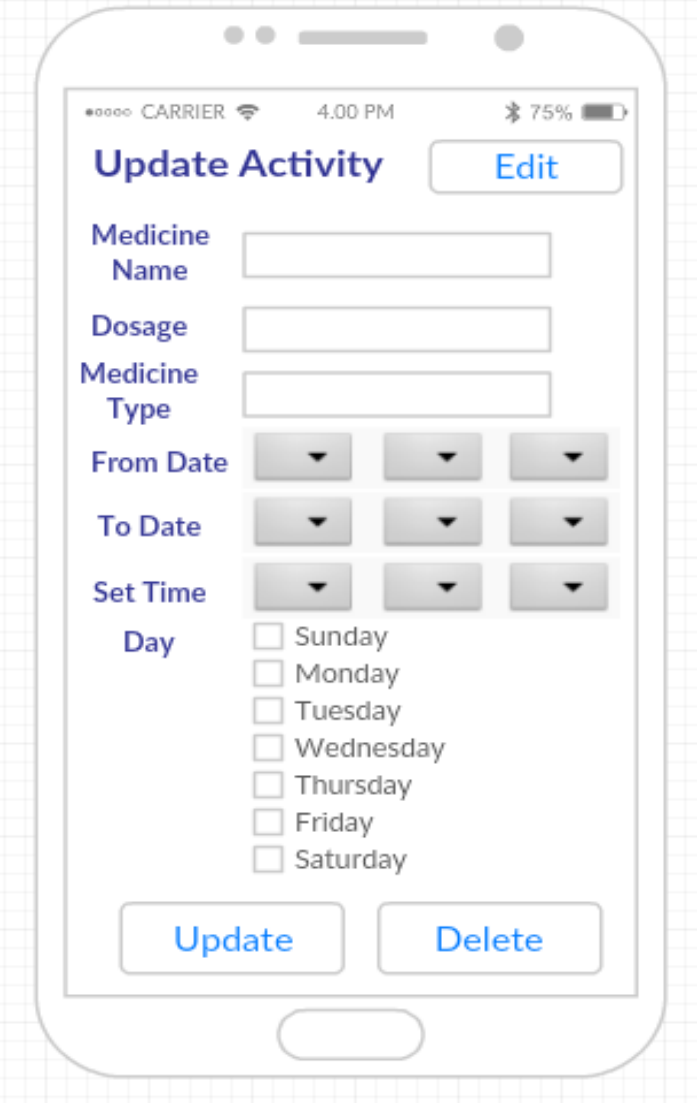
MainActivity Wireframe:



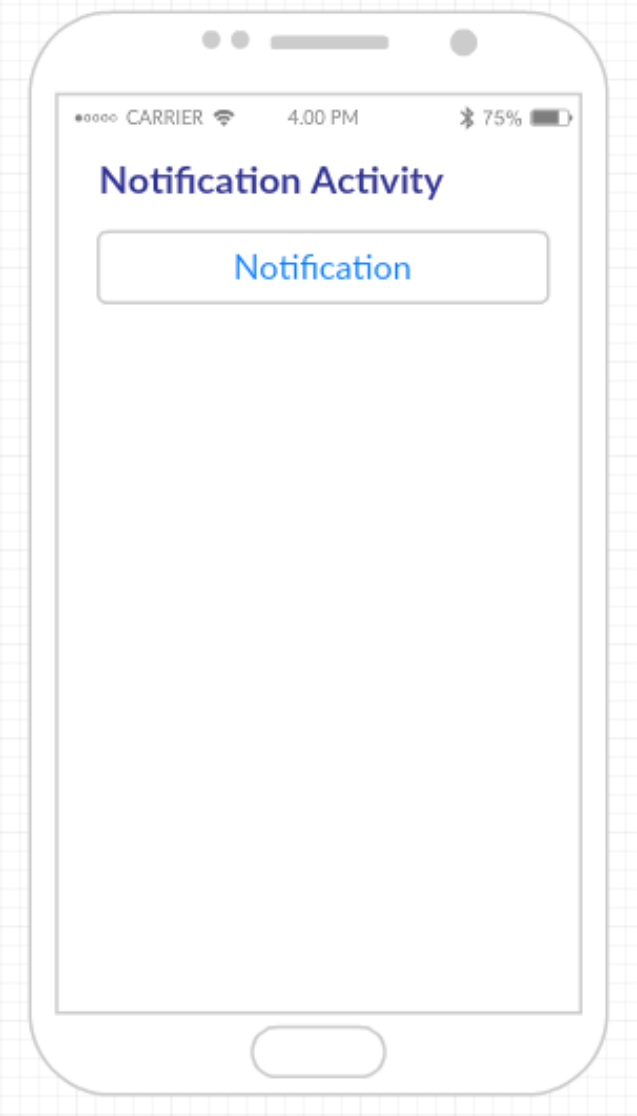
AddActivity Wireframe:

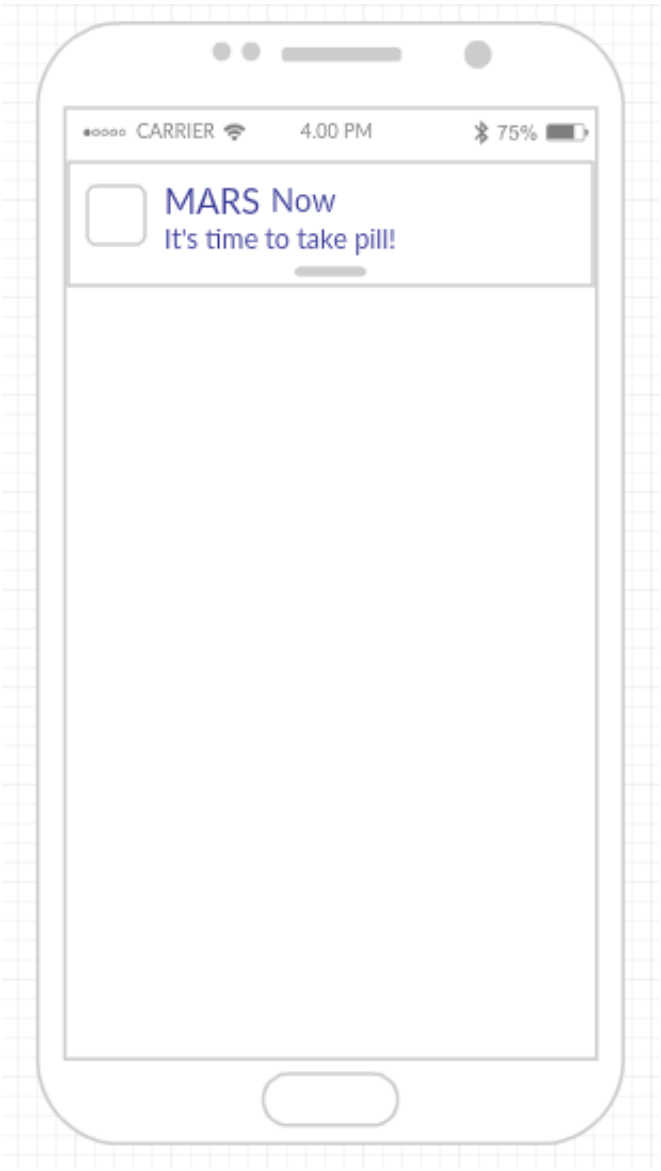


UpdateActivity Wireframe:



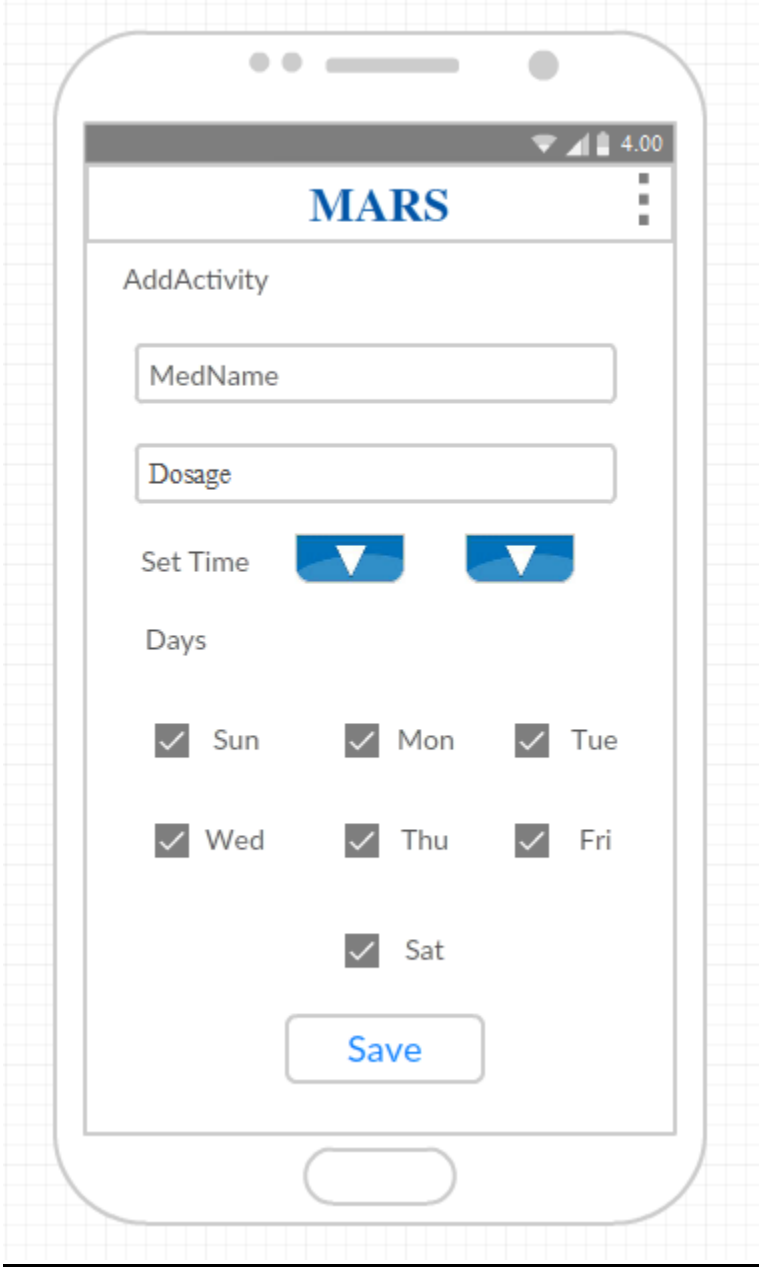
NotificationActivity Wireframe:

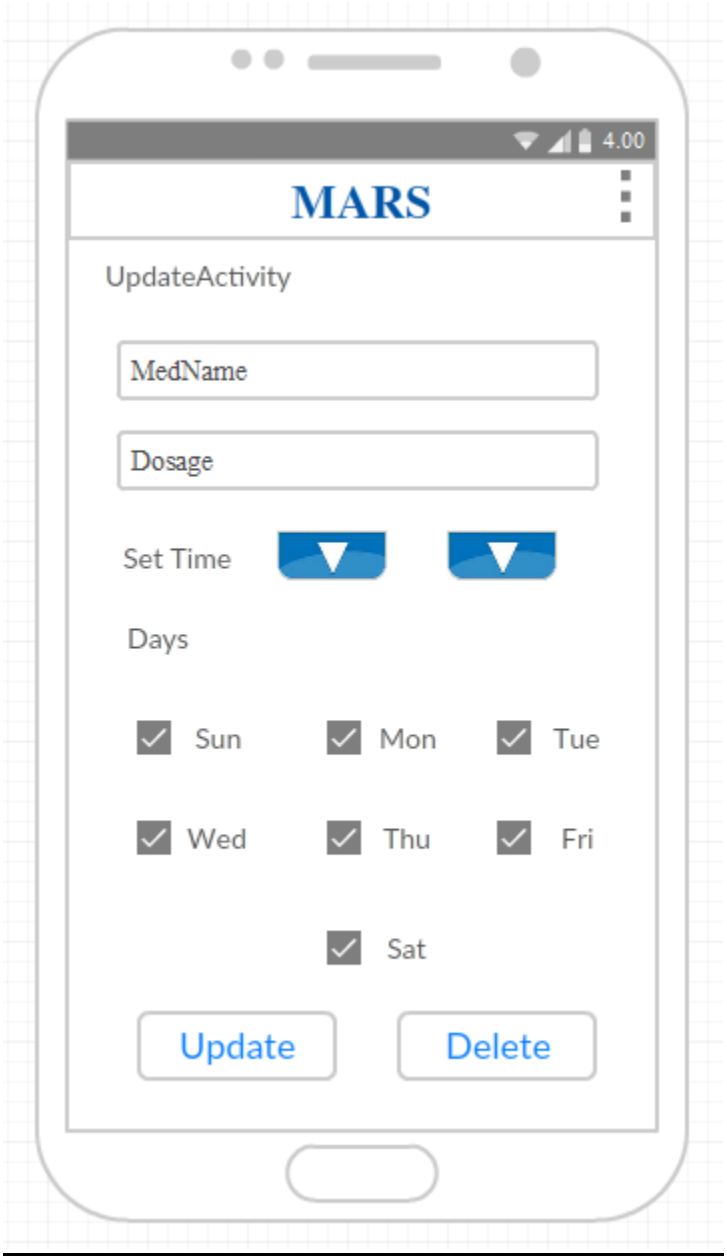



CARRIER
4.00 PM
75%
MARS Now
It's time to take pill!

Third Increment:

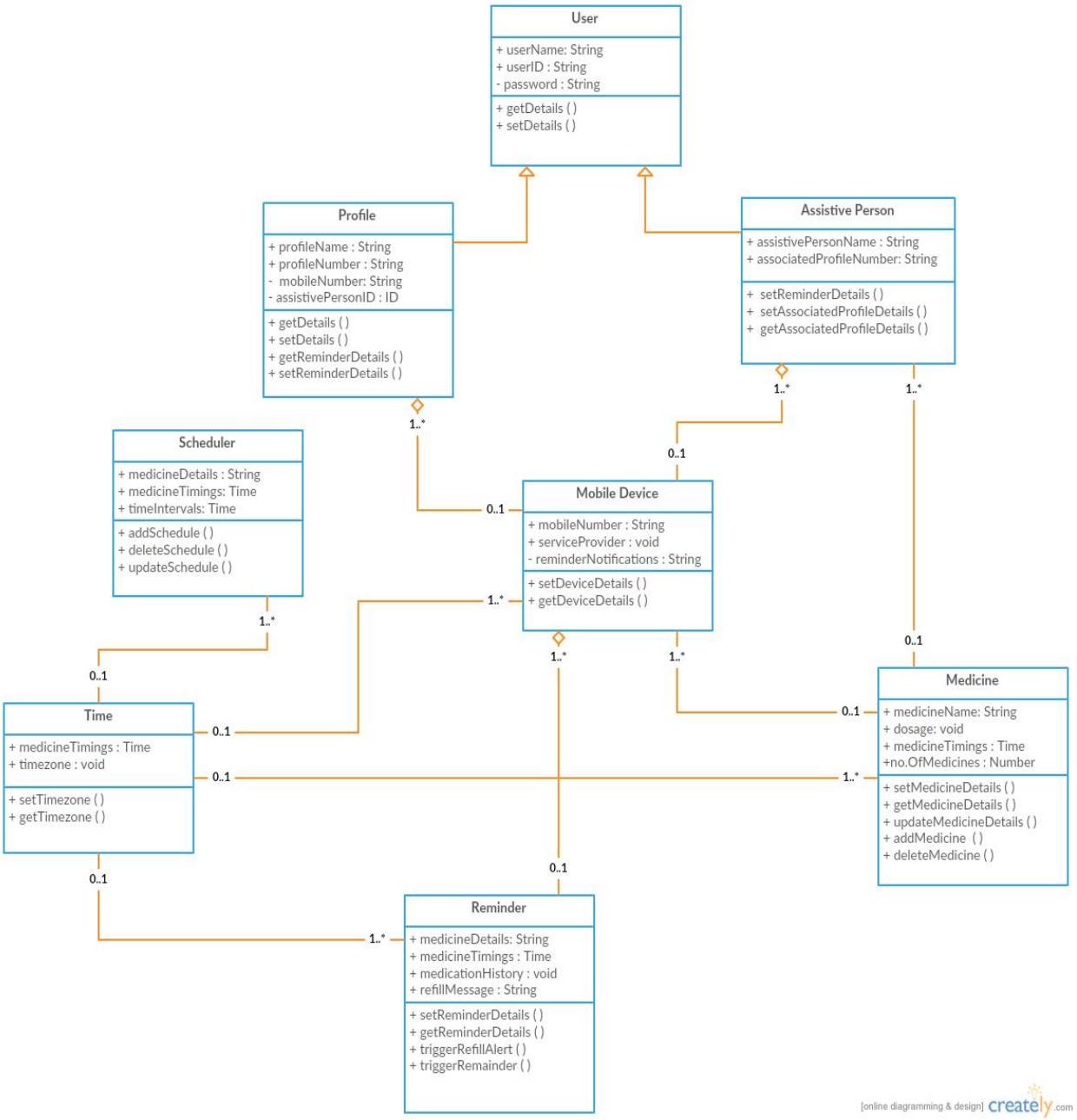
Updated the AddActivity and UpdateActivity Wireframes:



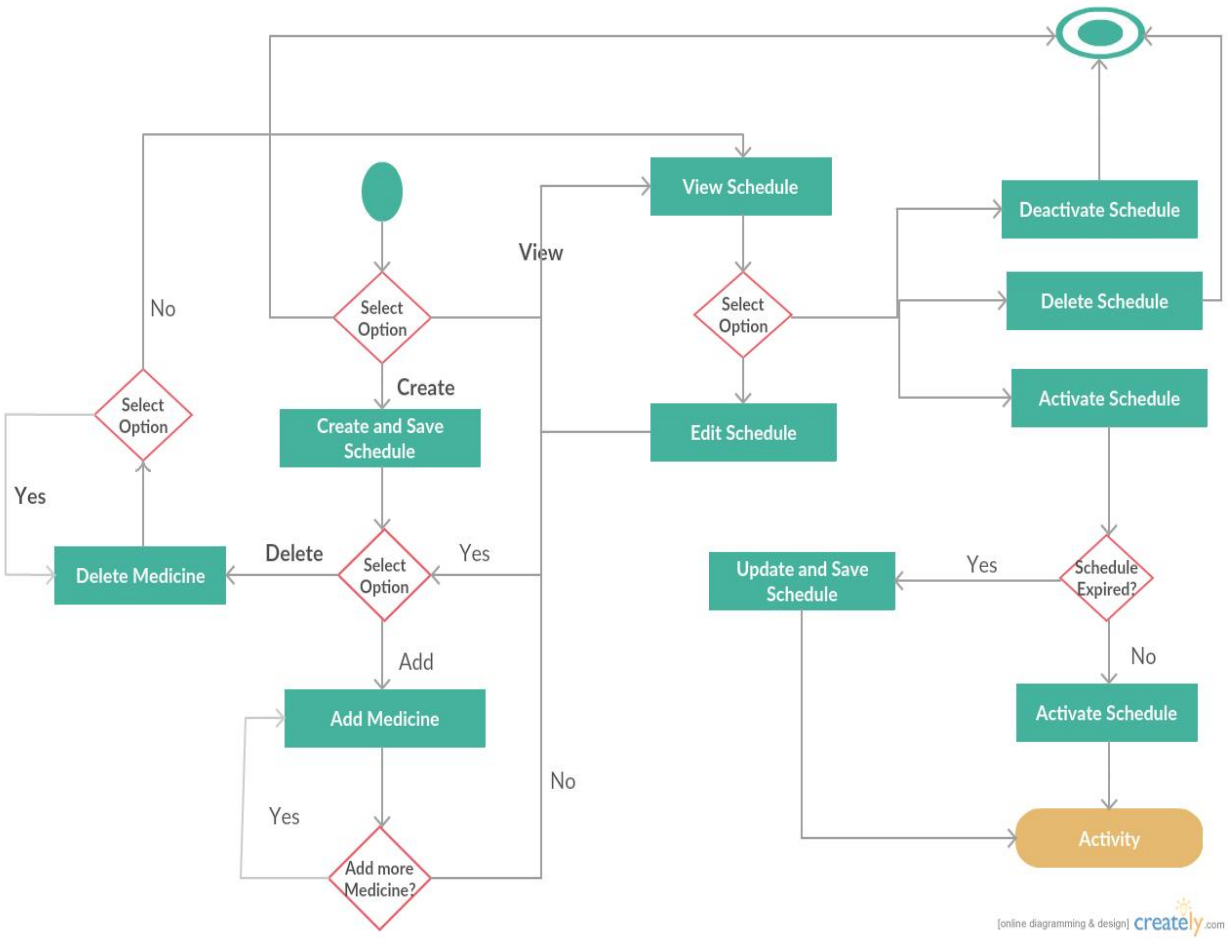

4.00
MARS
UpdateActivity
MedName
Dosage
Set Time
Days
Sun
Mon
Tue
Wed
Thu
Fri
Sat
Update
Delete

First Increment(UML):

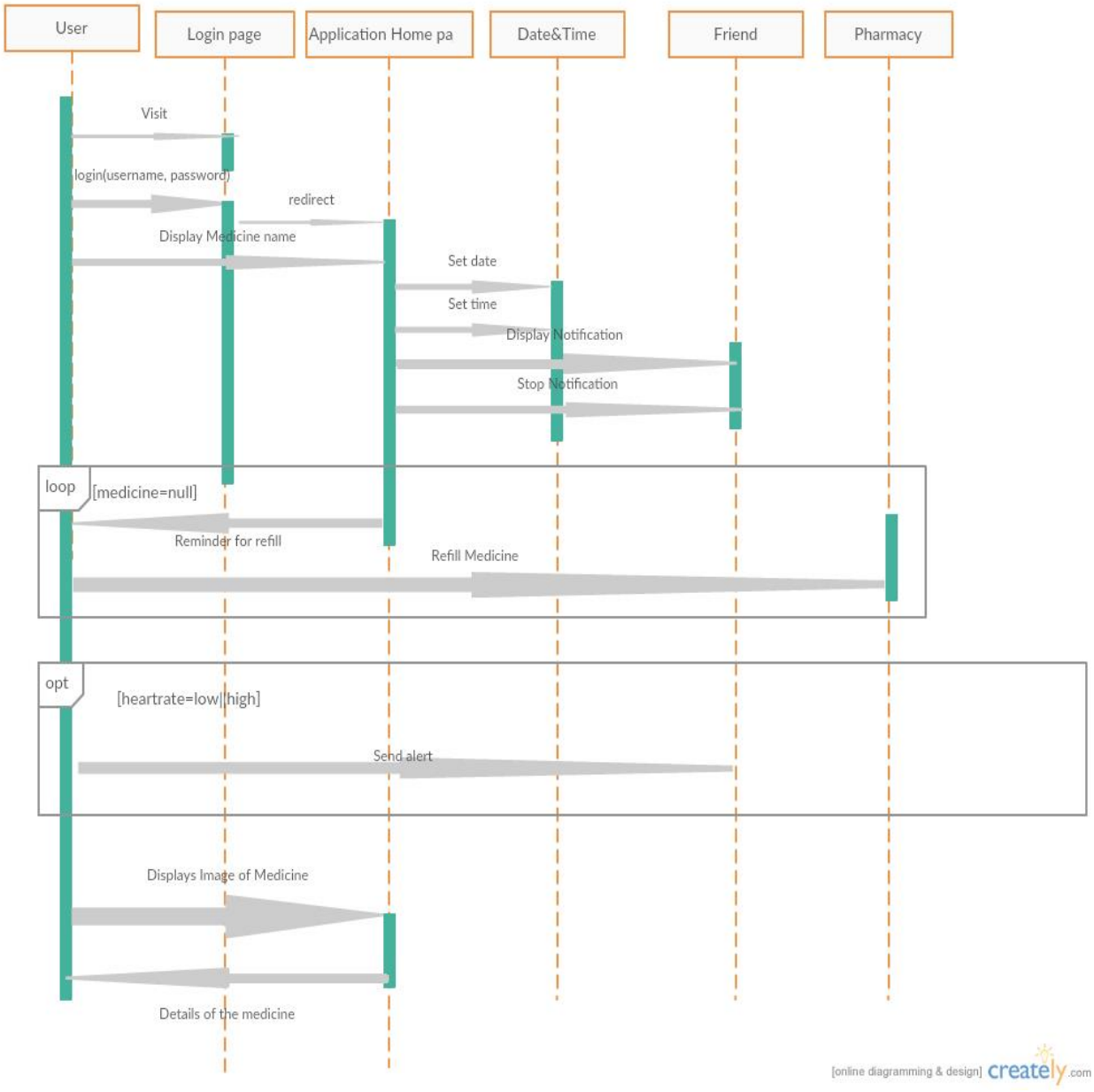
Class Diagram:



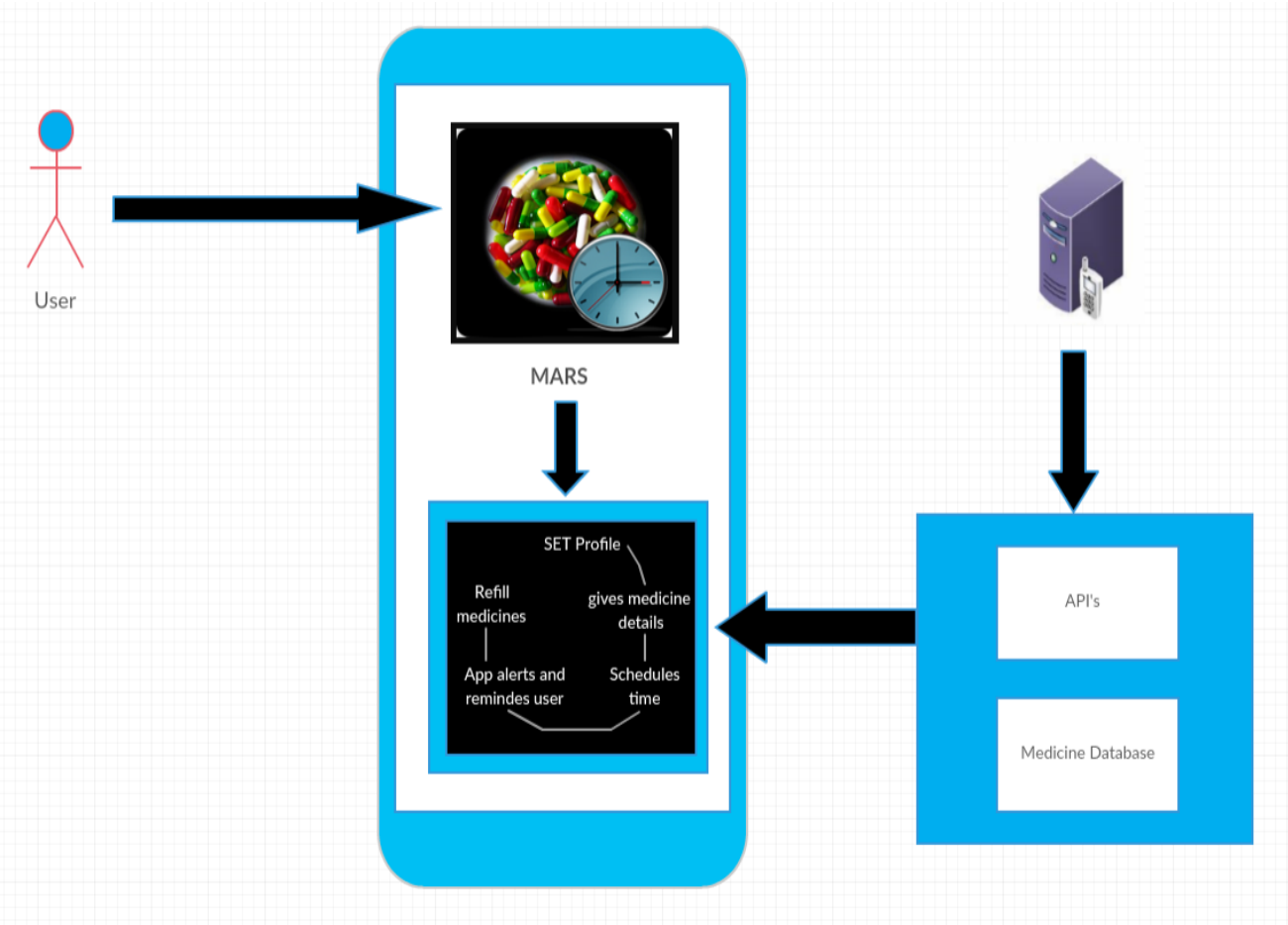
Activity Diagram:



Sequence Diagram:

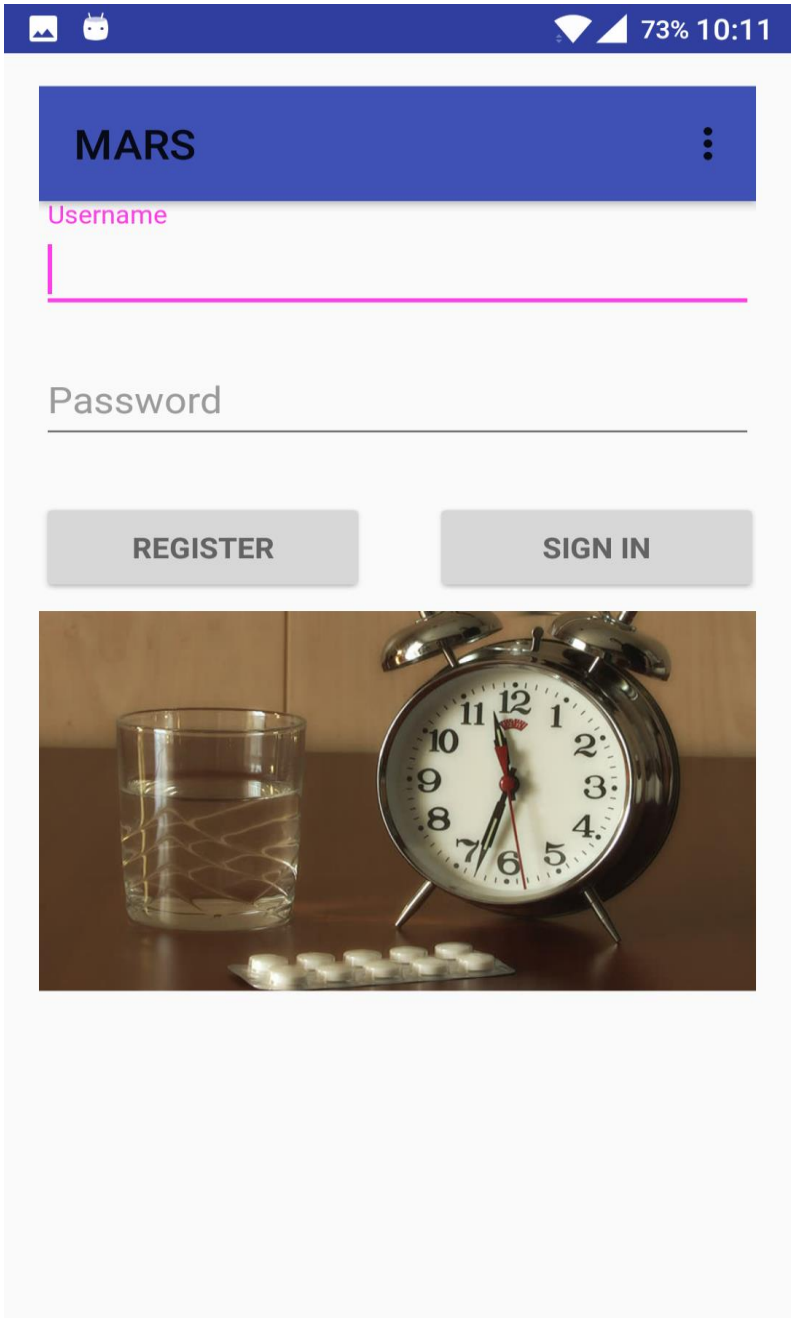


Architecture Diagram:

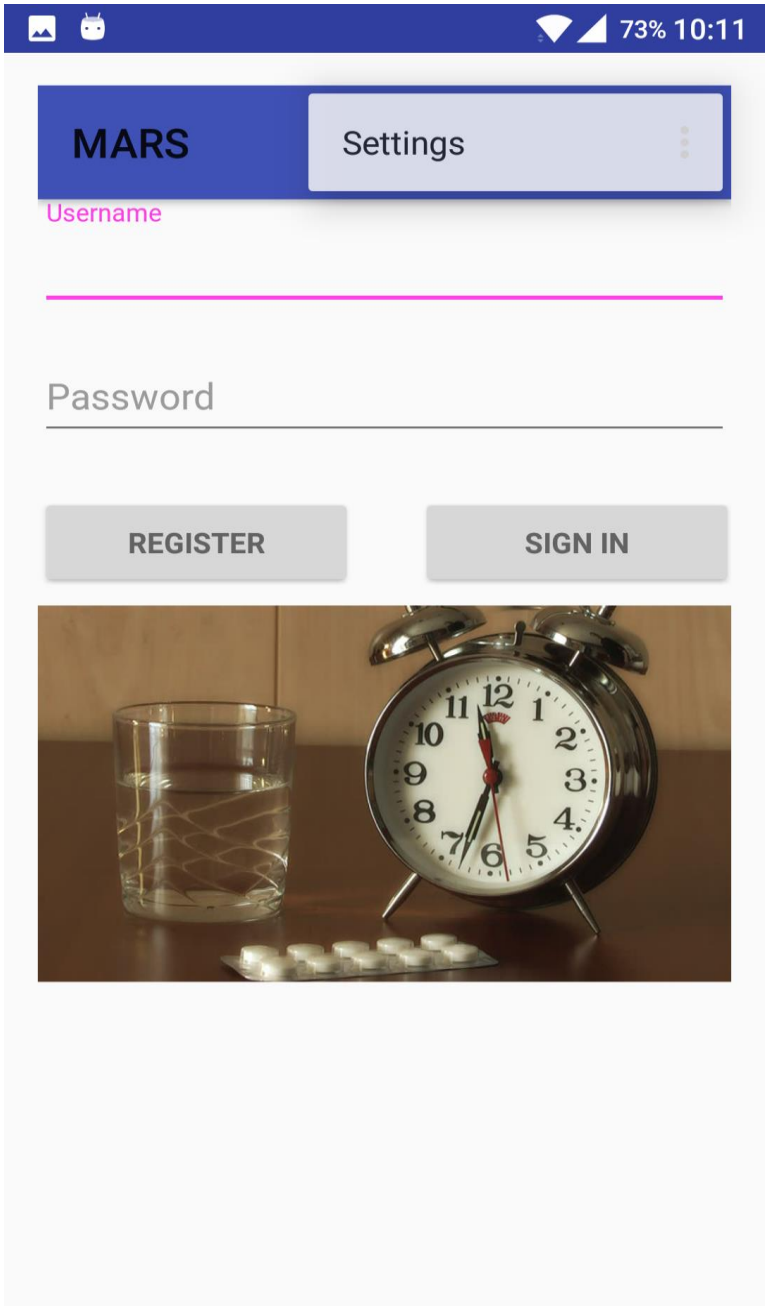


Previous Implementations

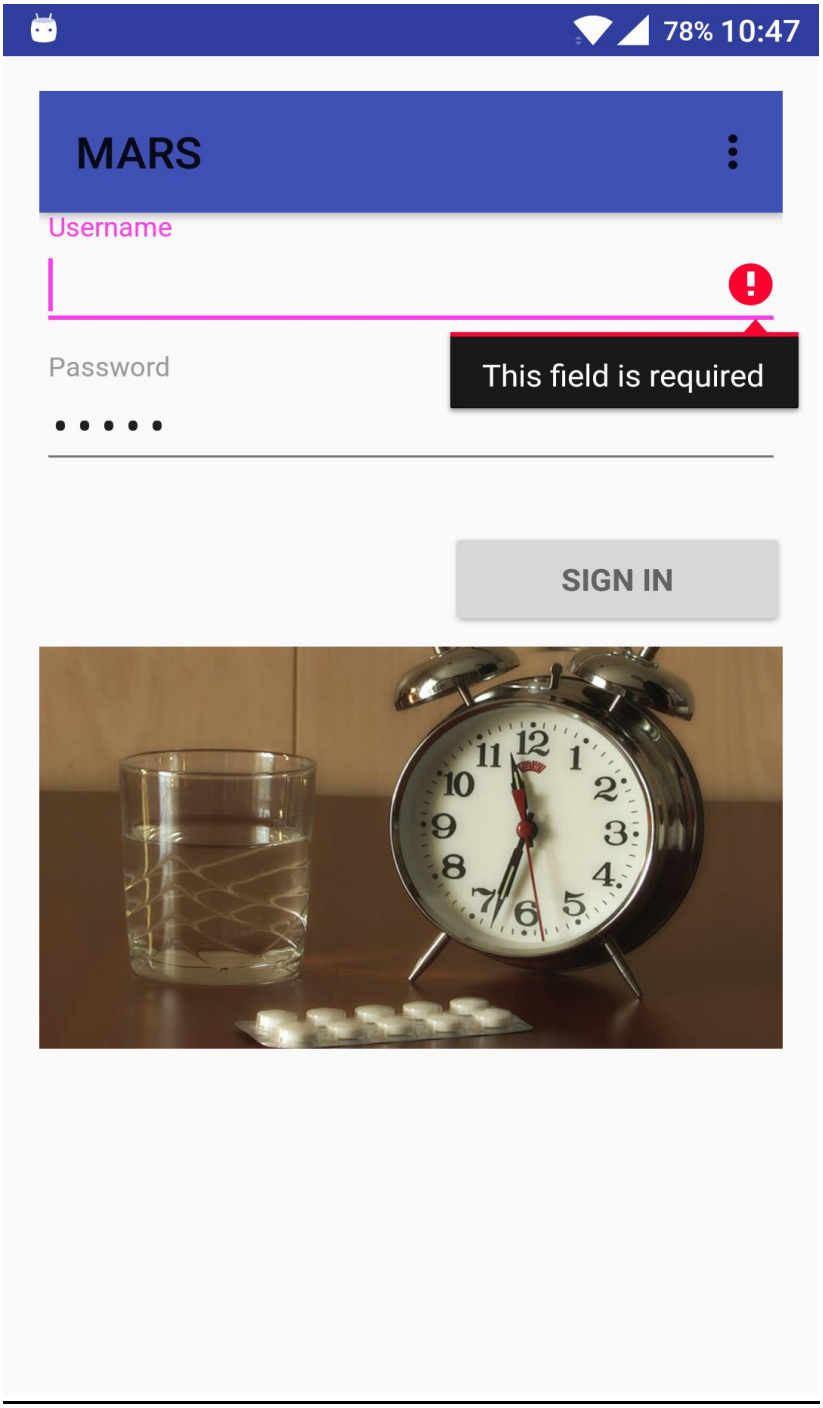
Login Screen in Android:



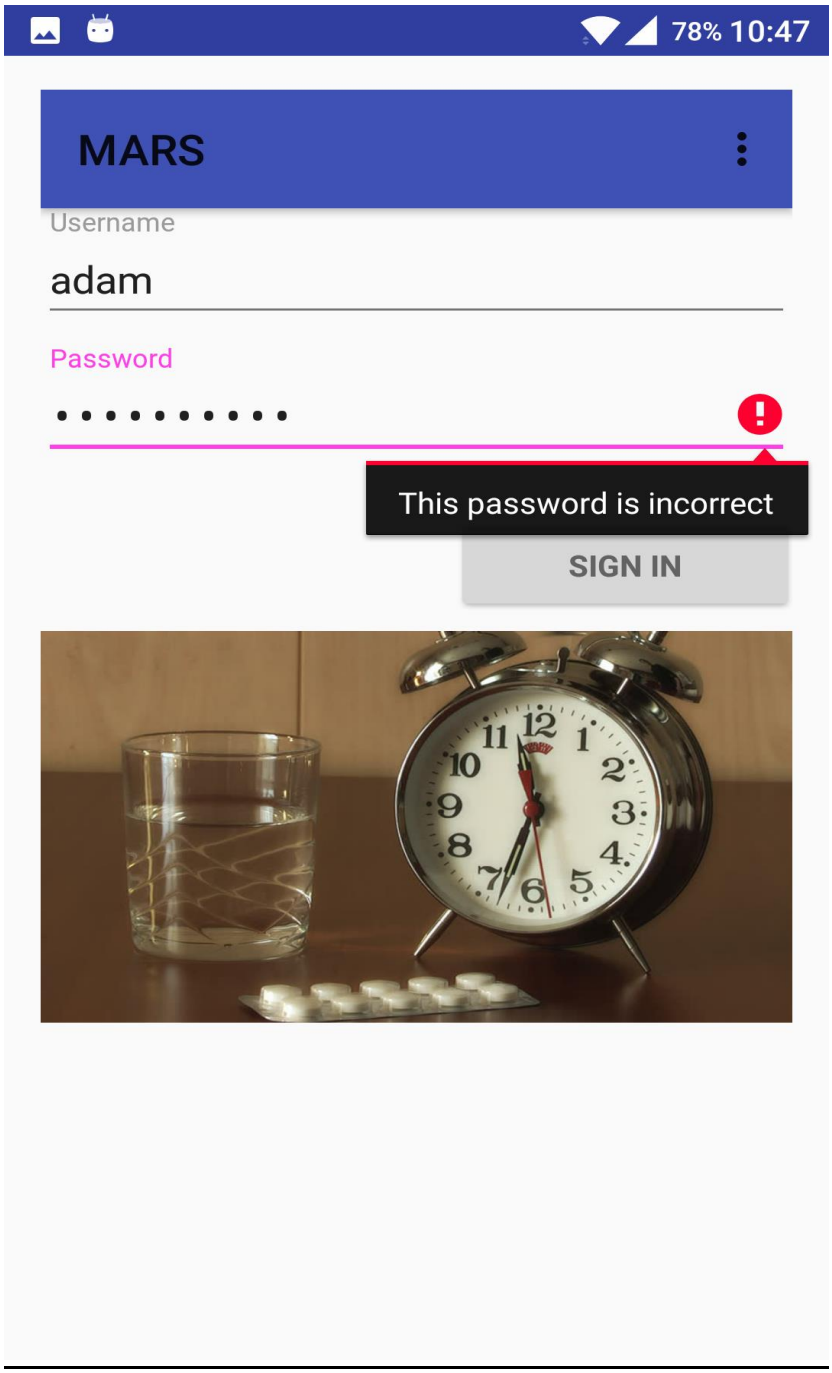
Login Screen with Settings:



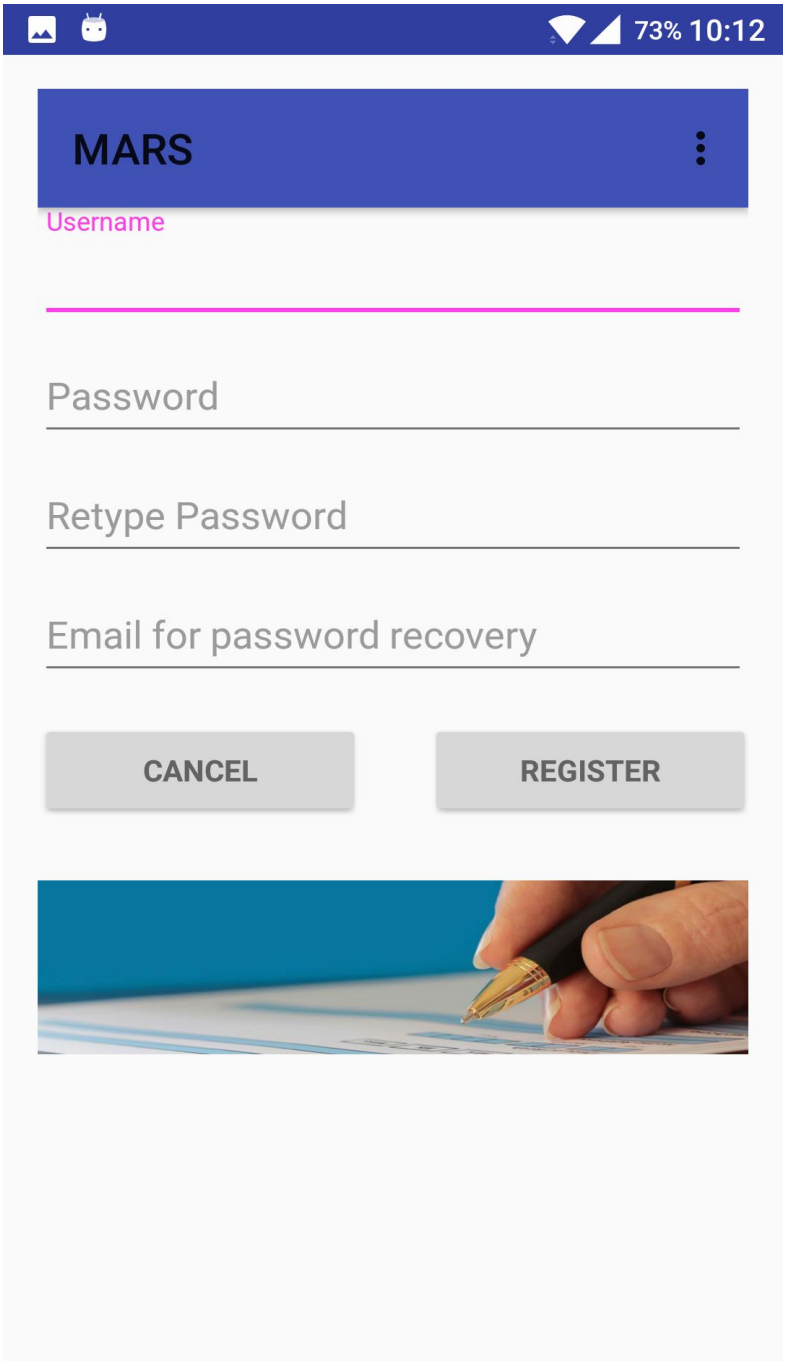
Login Screen when NO username is entered:



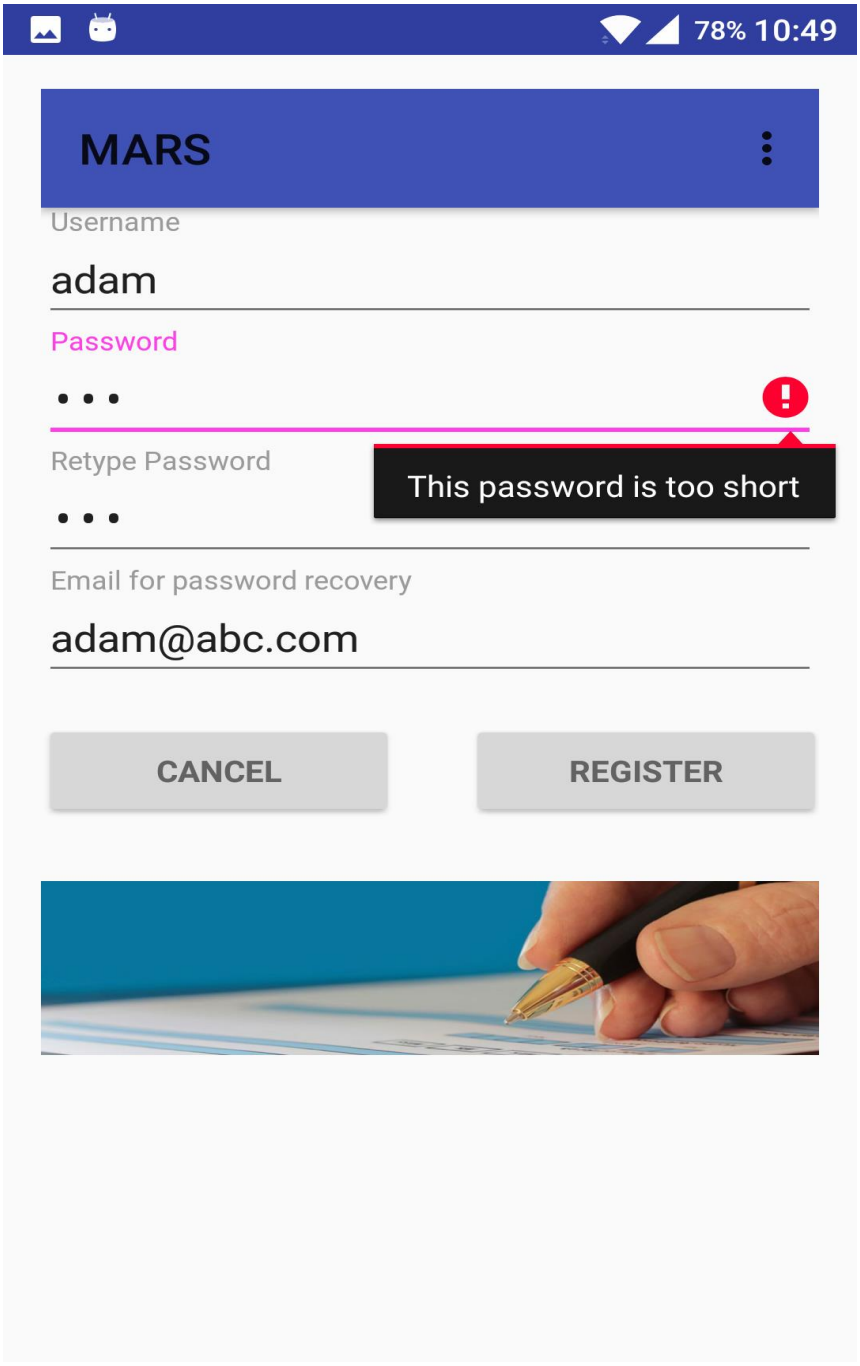
Login Screen when password entered is incorrect:



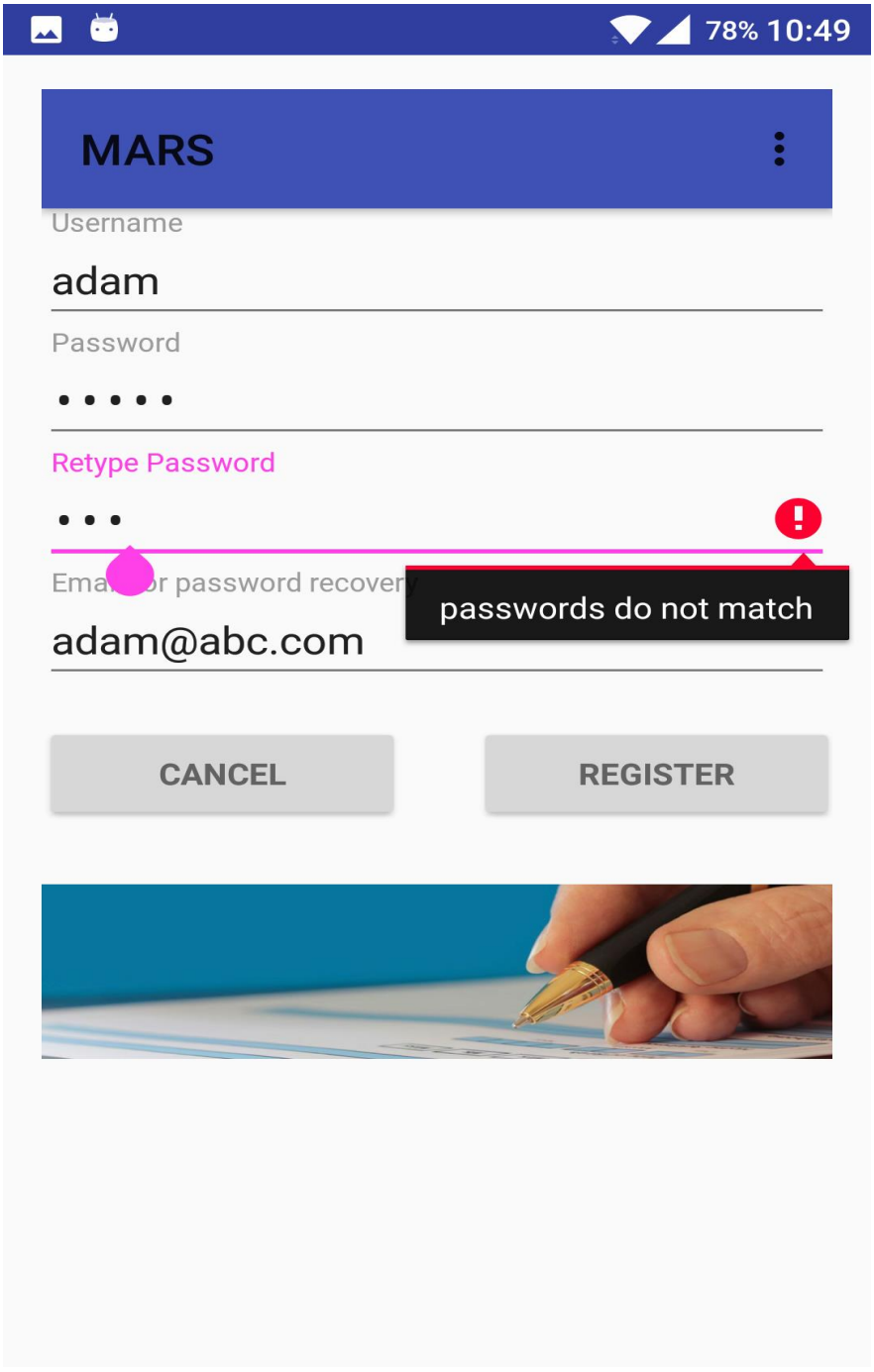
Registration Screen in Android:



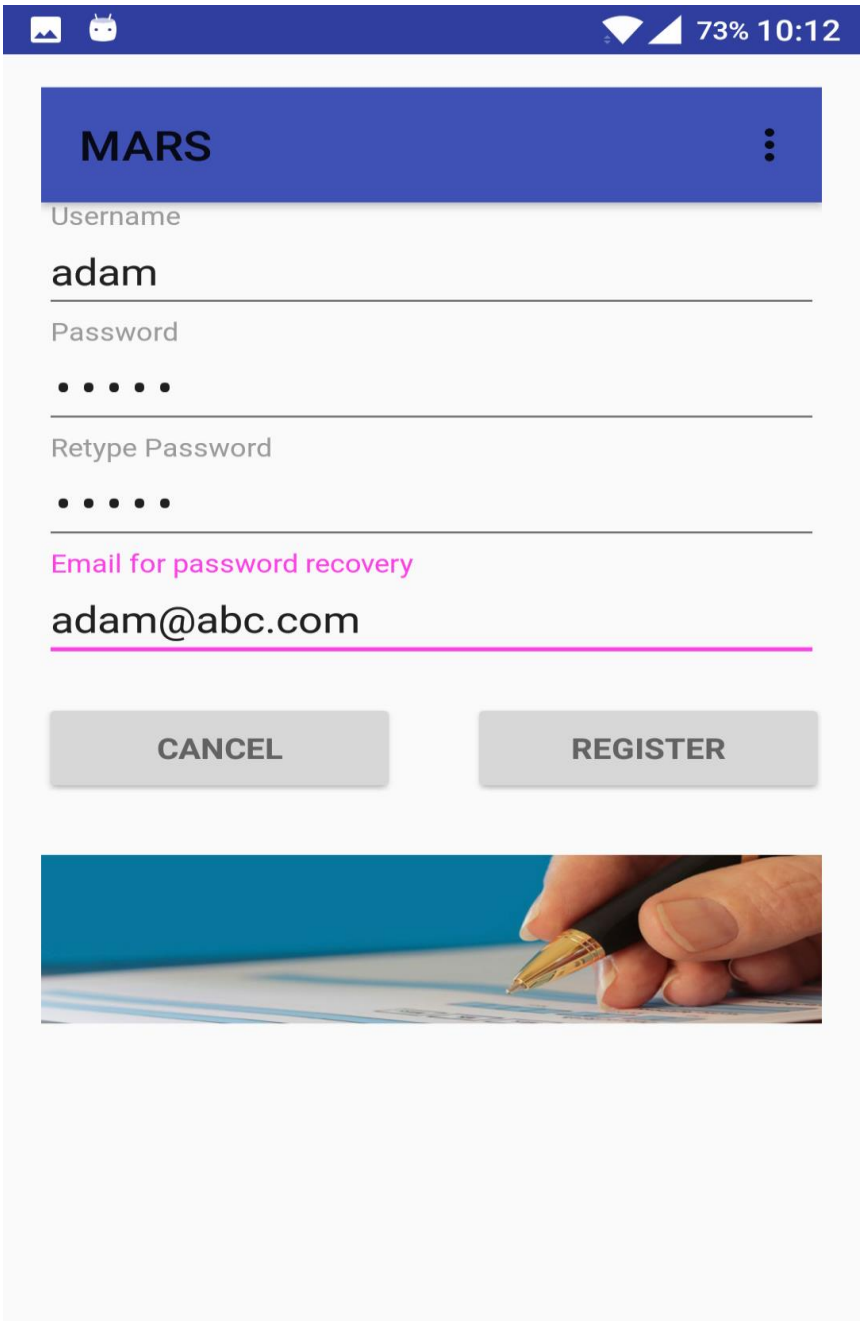
Registration Screen when password is short:



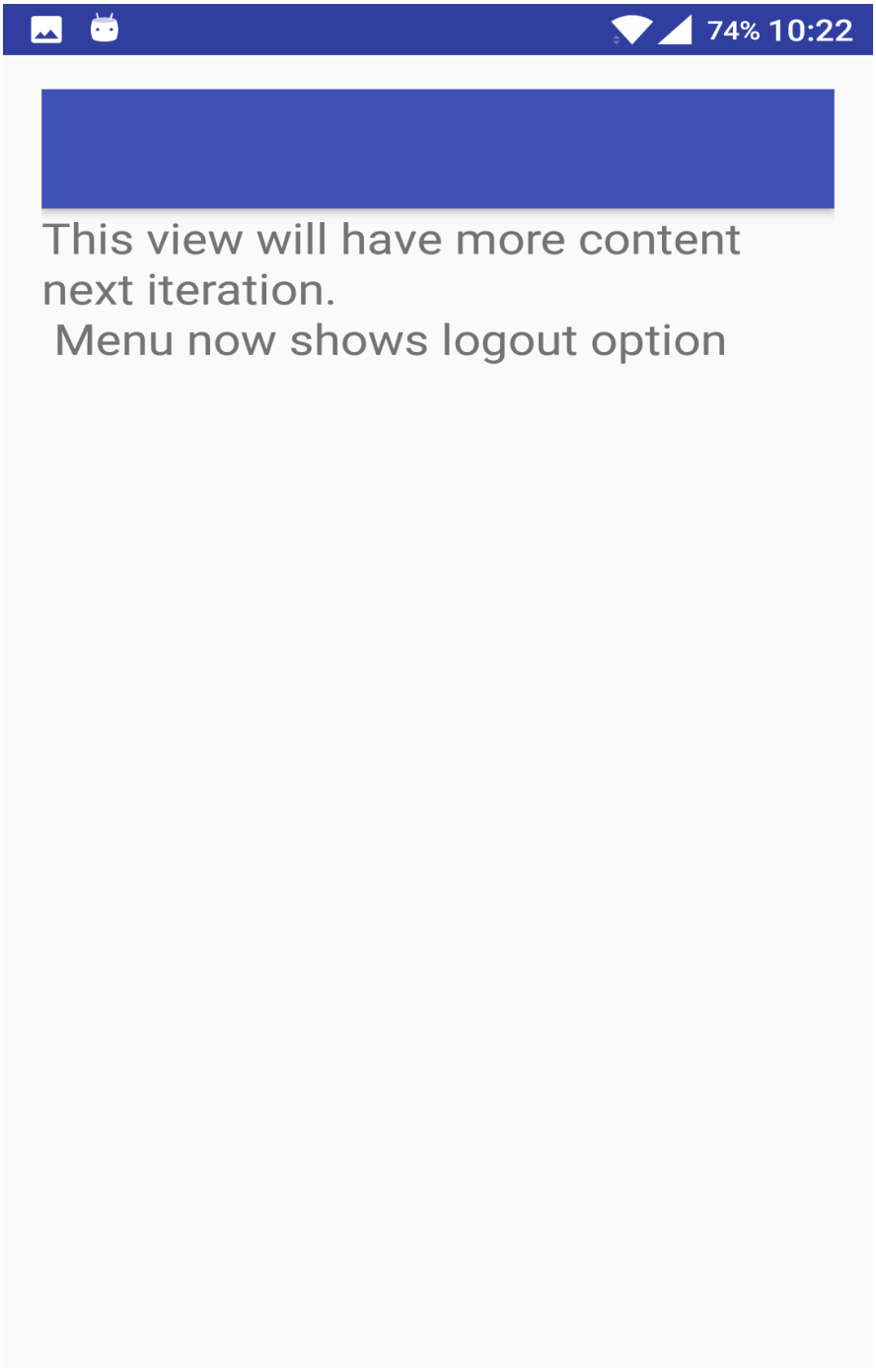
Registration Screen when passwords don't match:



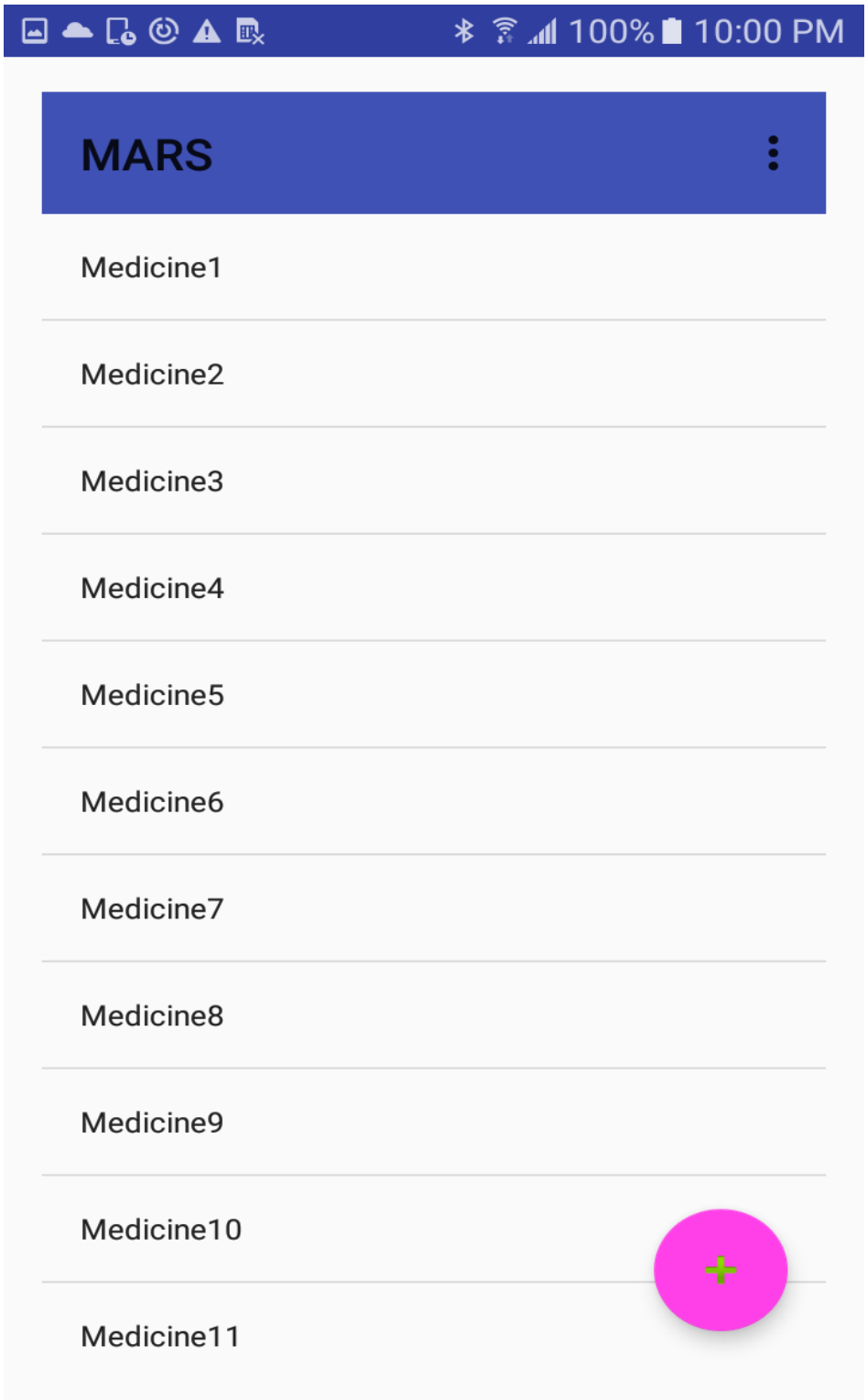
Registration Screen with email for password recovery:



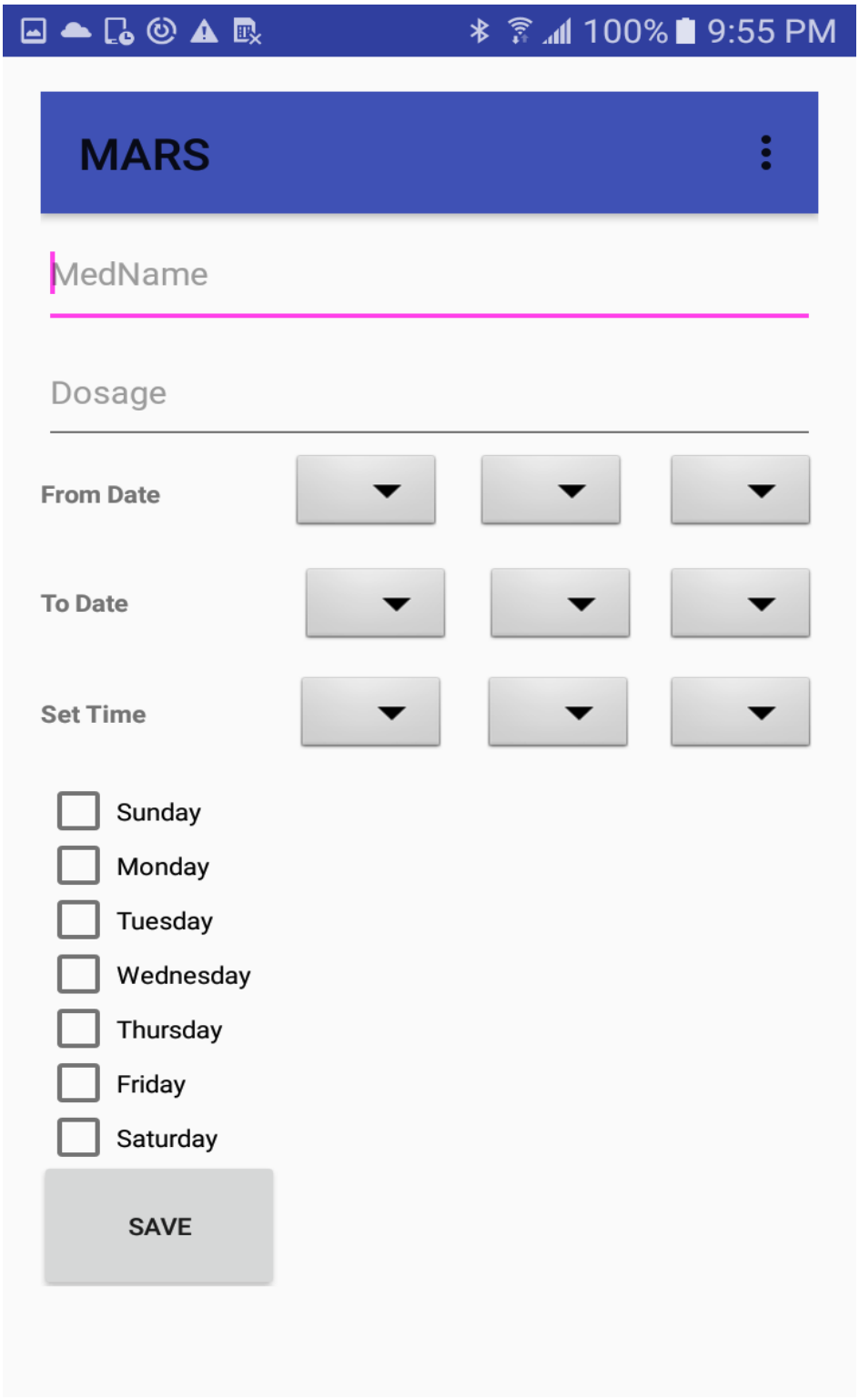
MainActivity Screen in Android before Increment-2 implementation:



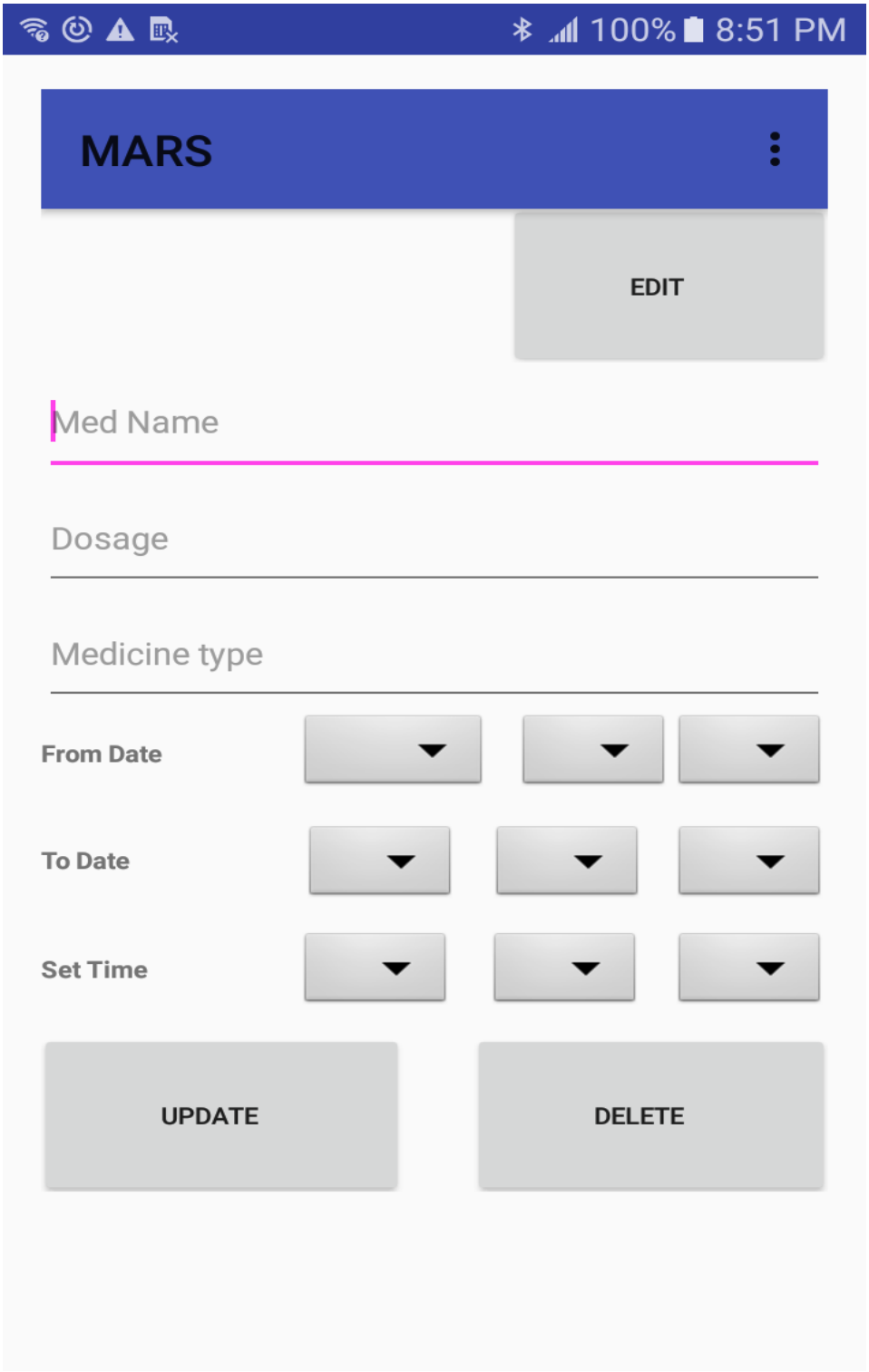
MainActivity Screen in Android:



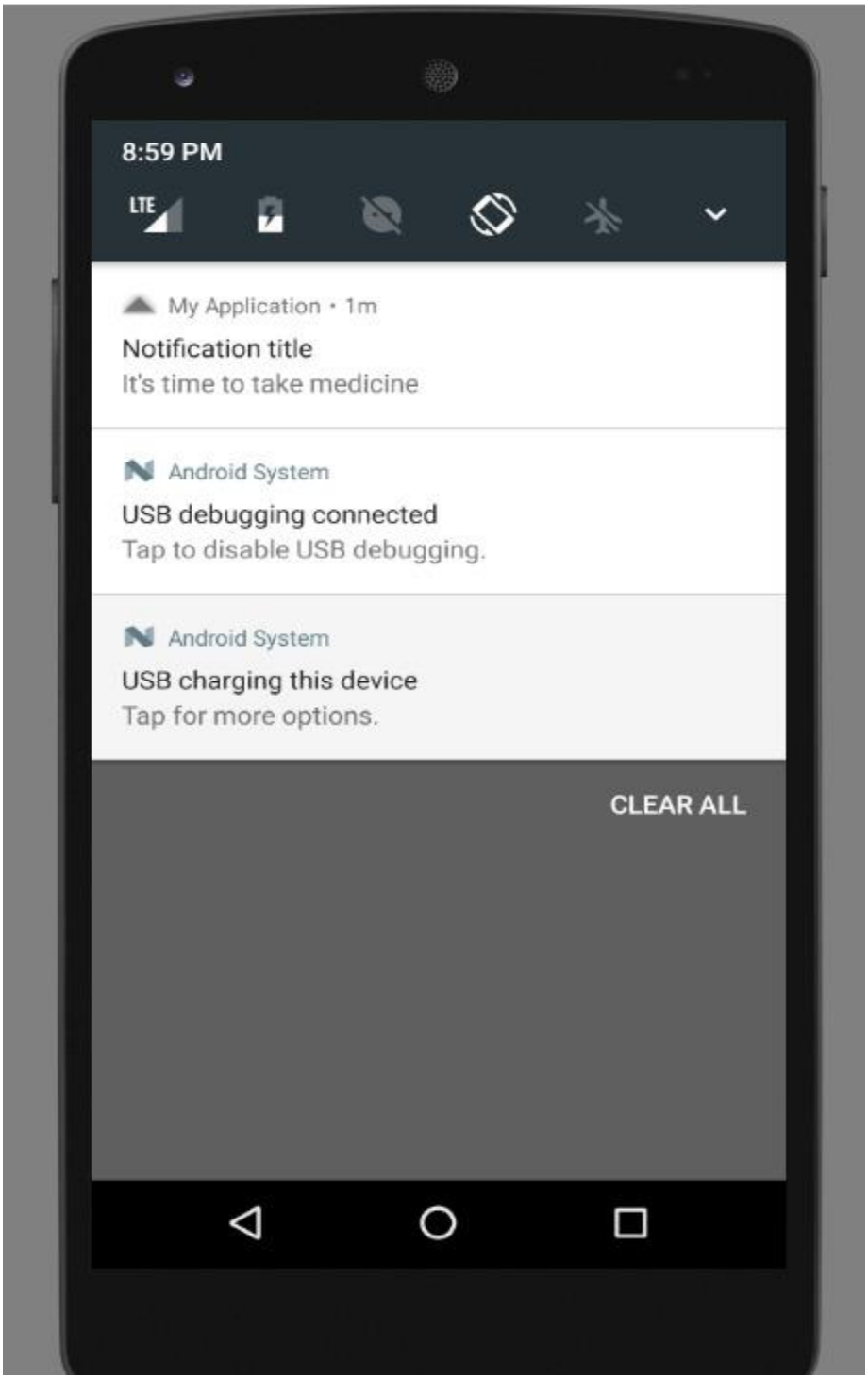
AddActivity Screen in Android:

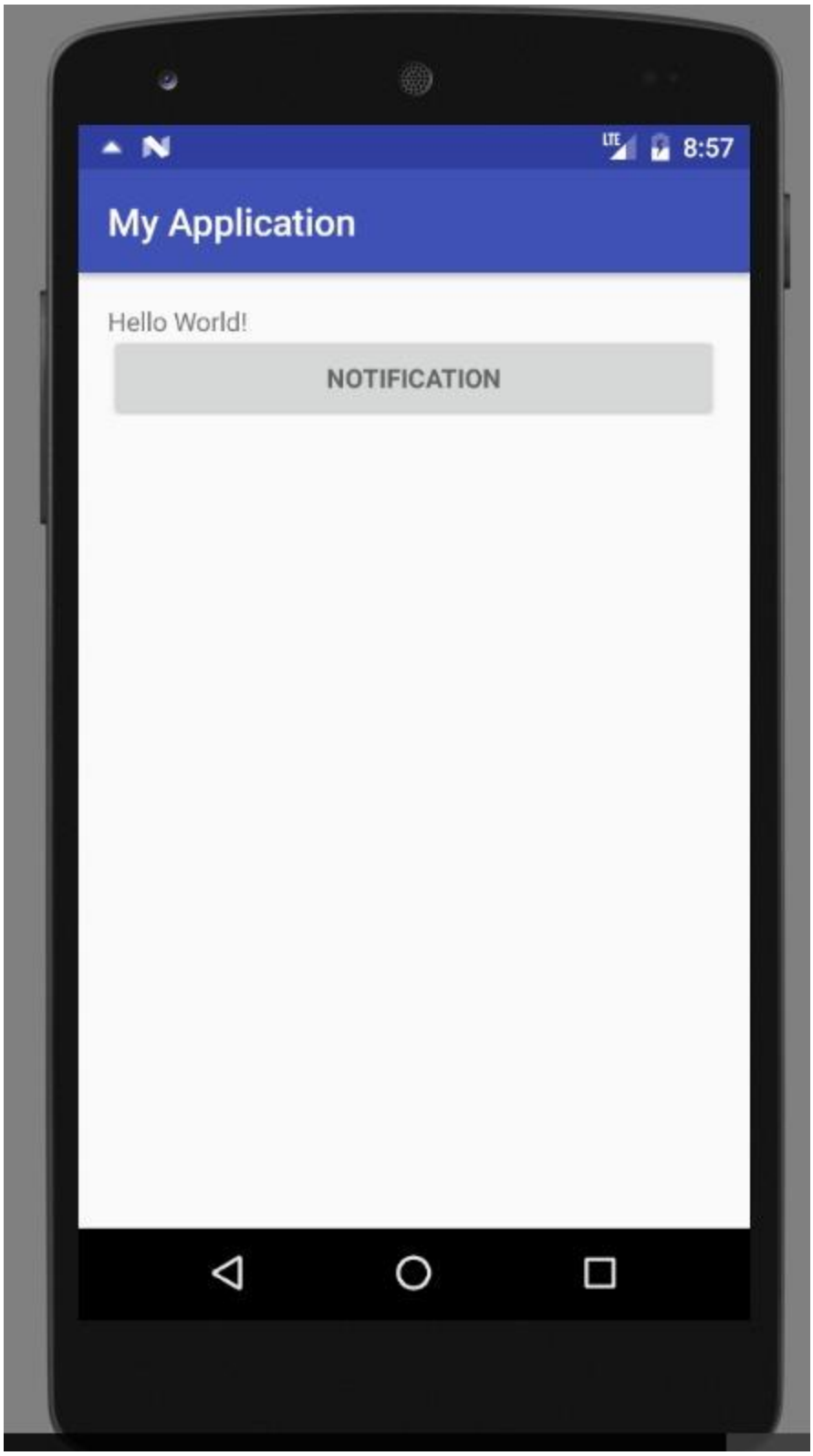


UpdateActivity Screen in Android:



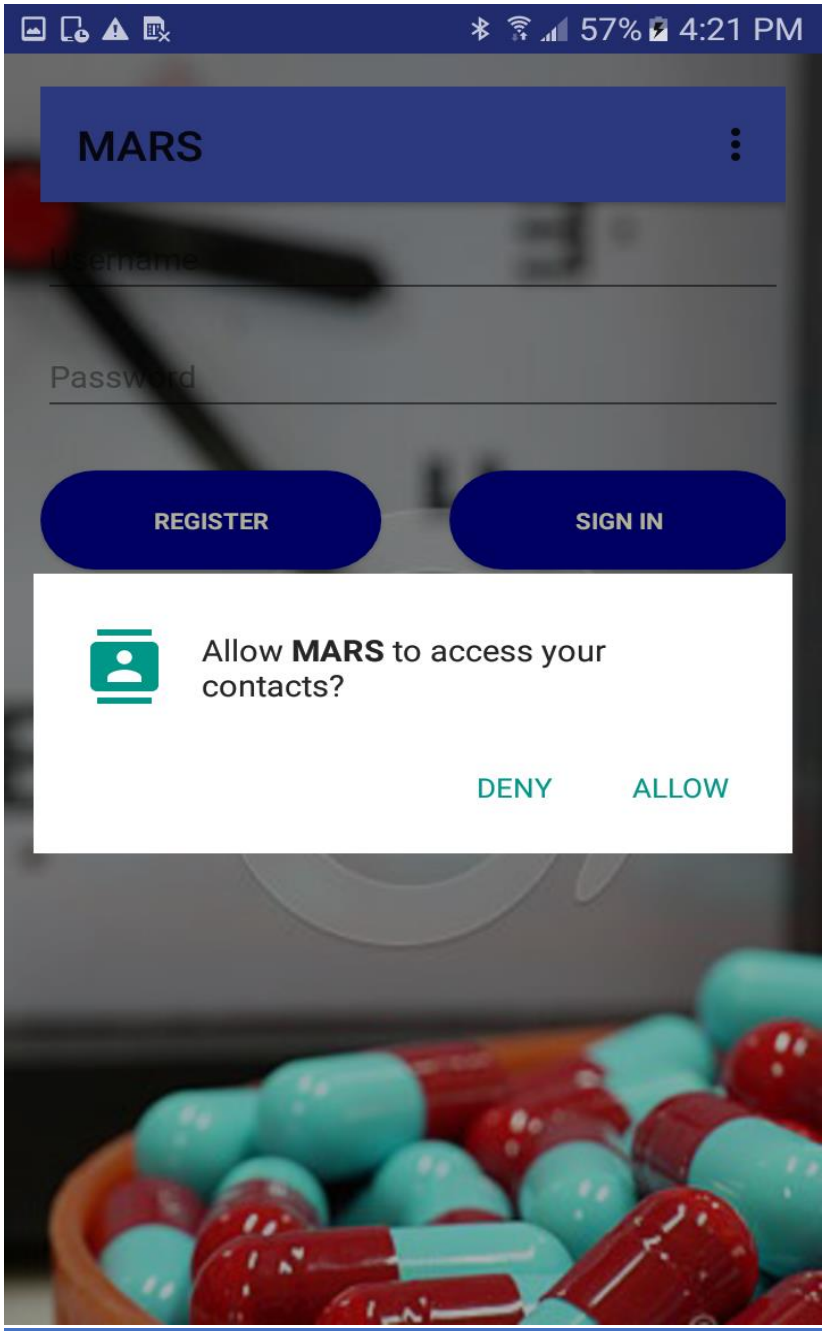
NotificationActivity Screen in Android:



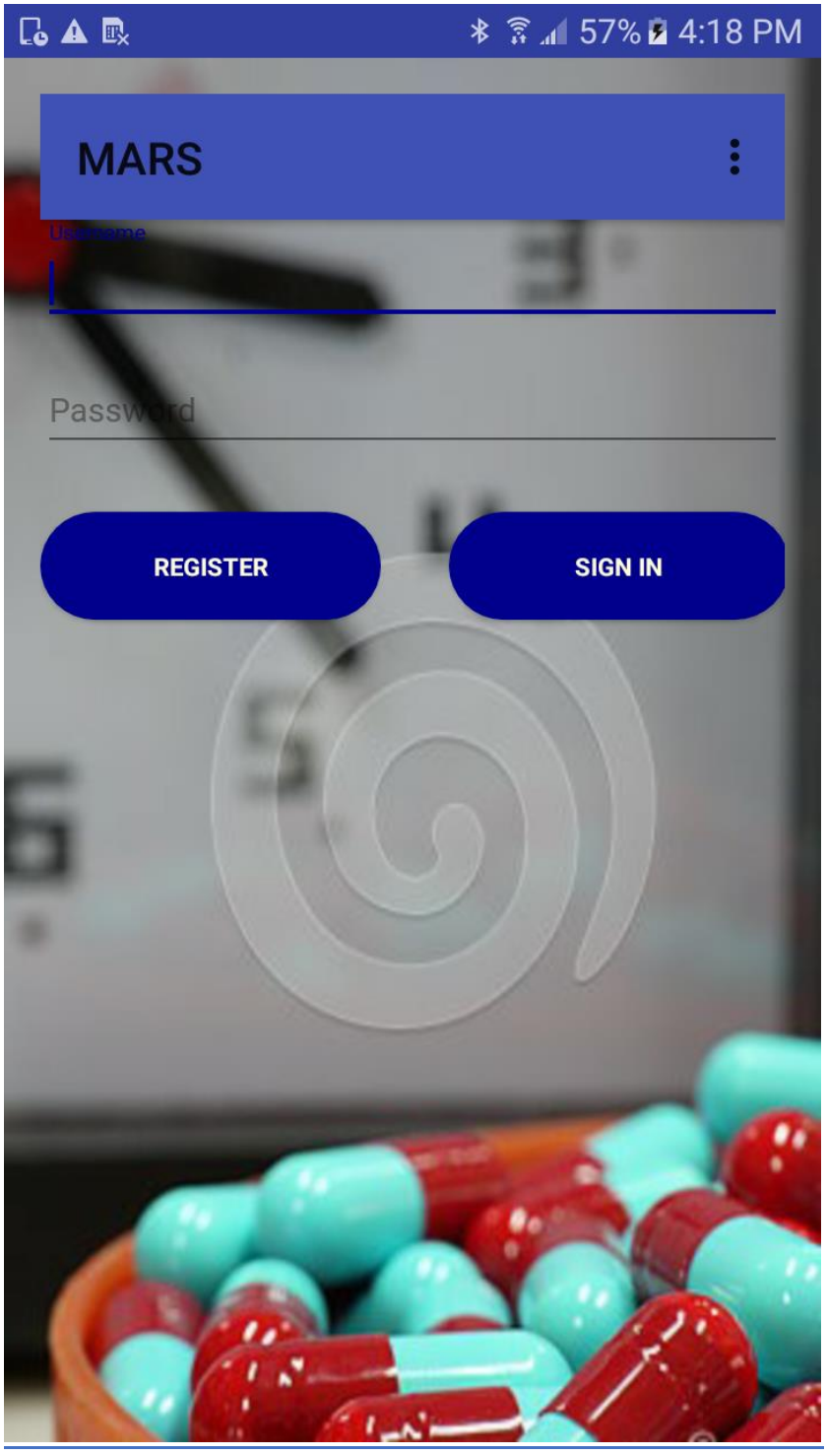

8:57
My Application
Hello World!
NOTIFICATION

Third Increment Implementation

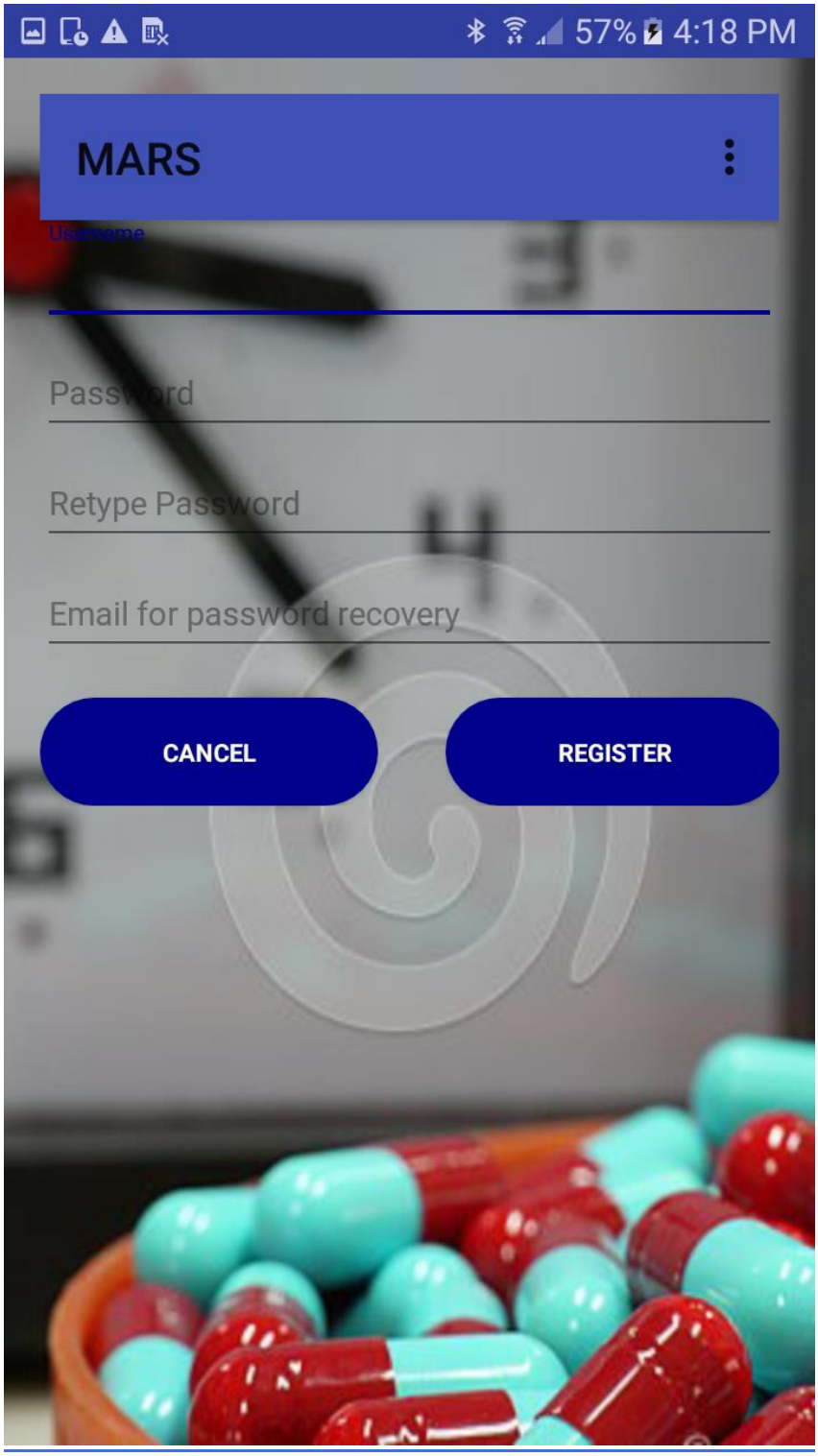
Contact Accessing Screen in Android:

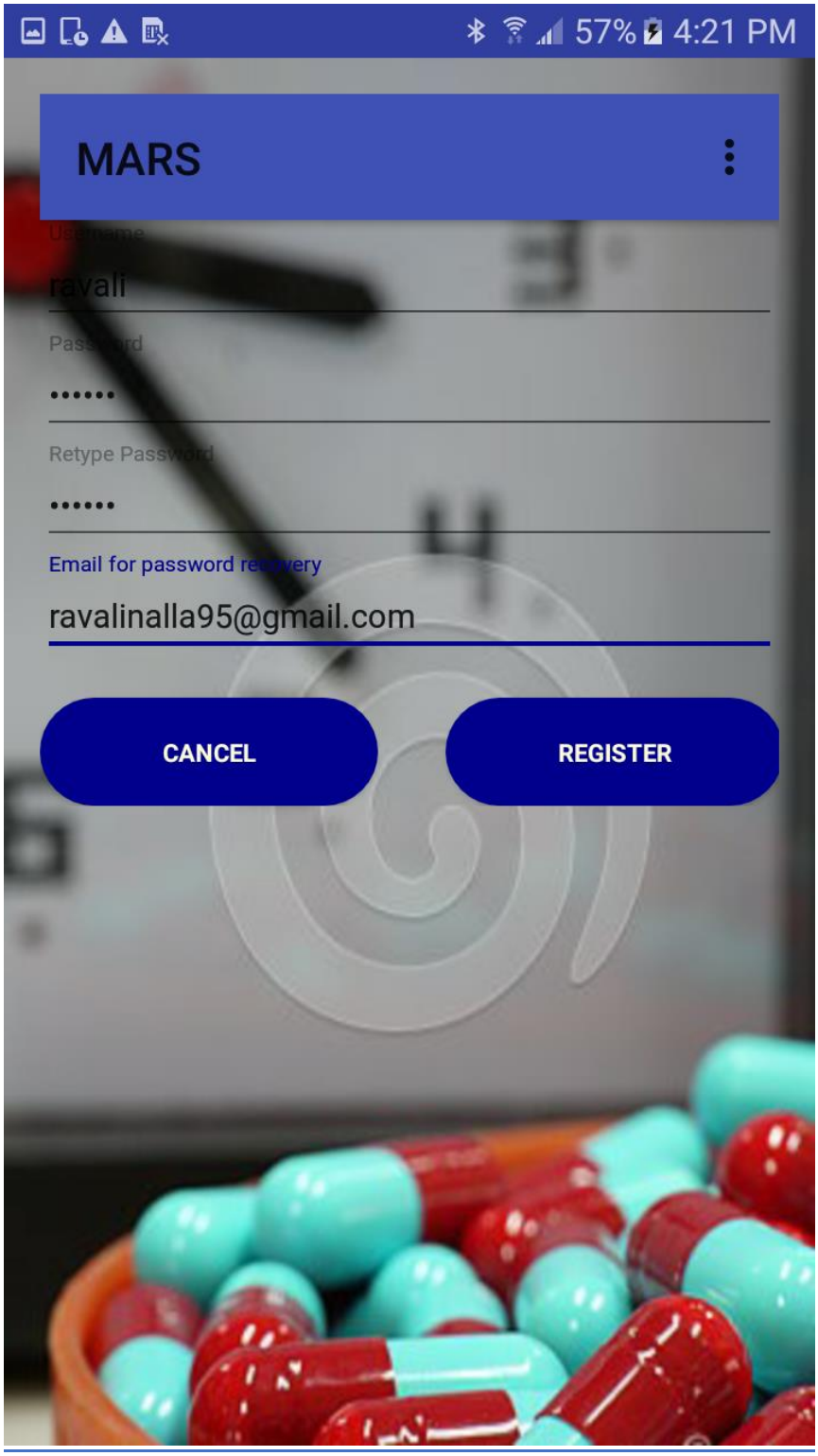


LoginActivity Screen in Android:

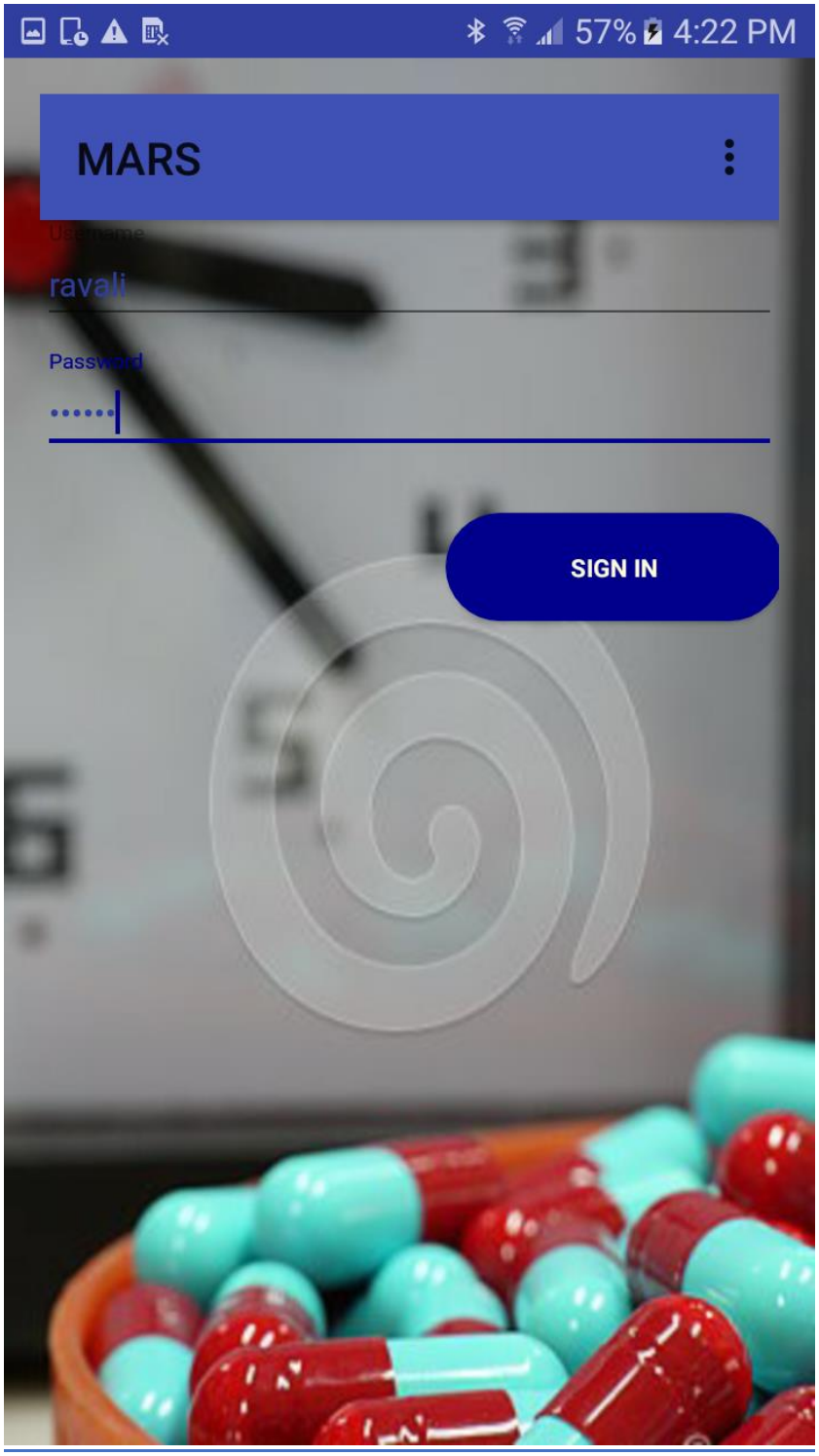


RegisterActivity Screen in Android:



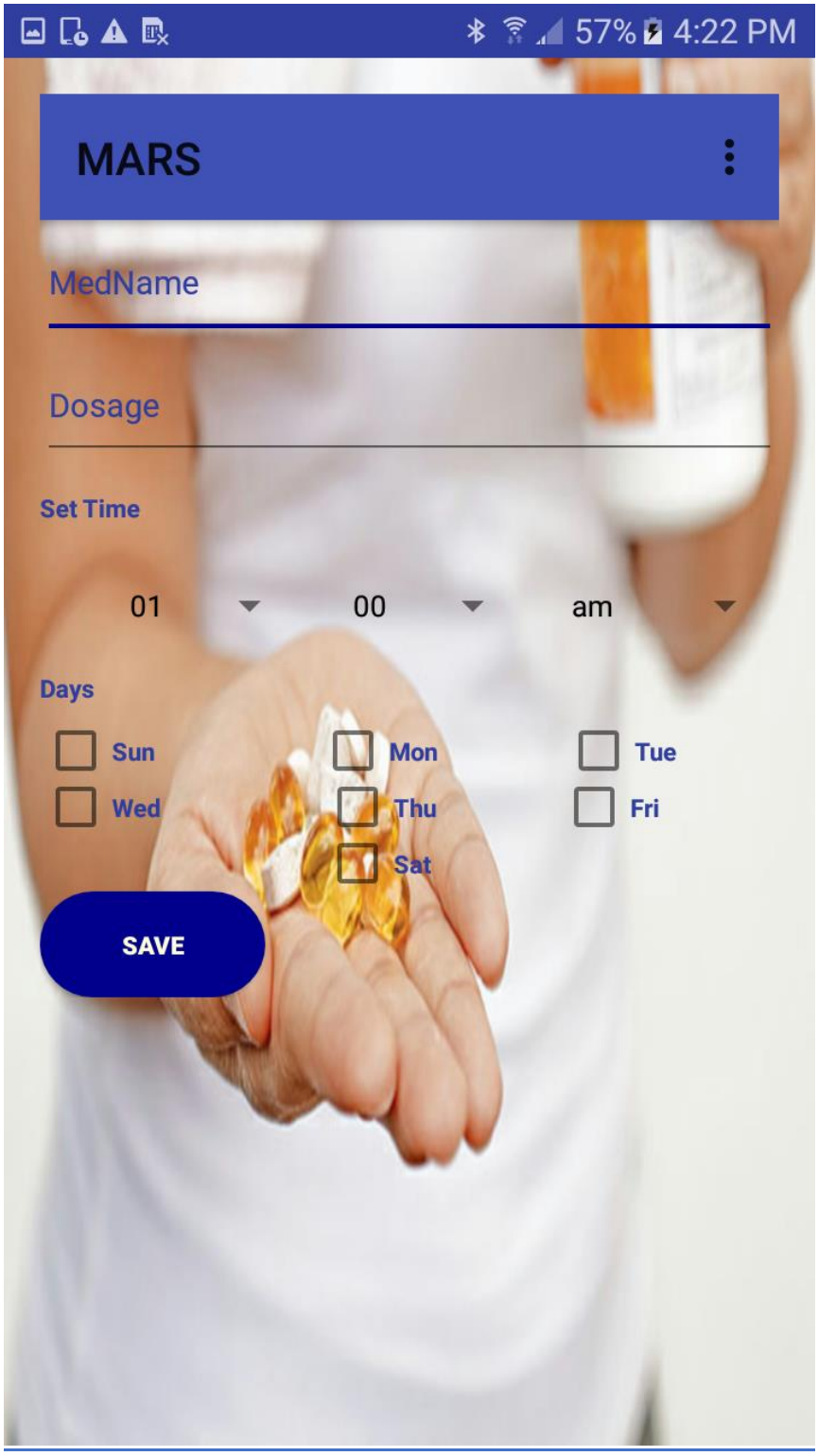

57% 4:21 PM
MARS
ravali
Retype Password
Email for password recovery
ravalinalla95@gmail.com
CANCEL
REGISTER

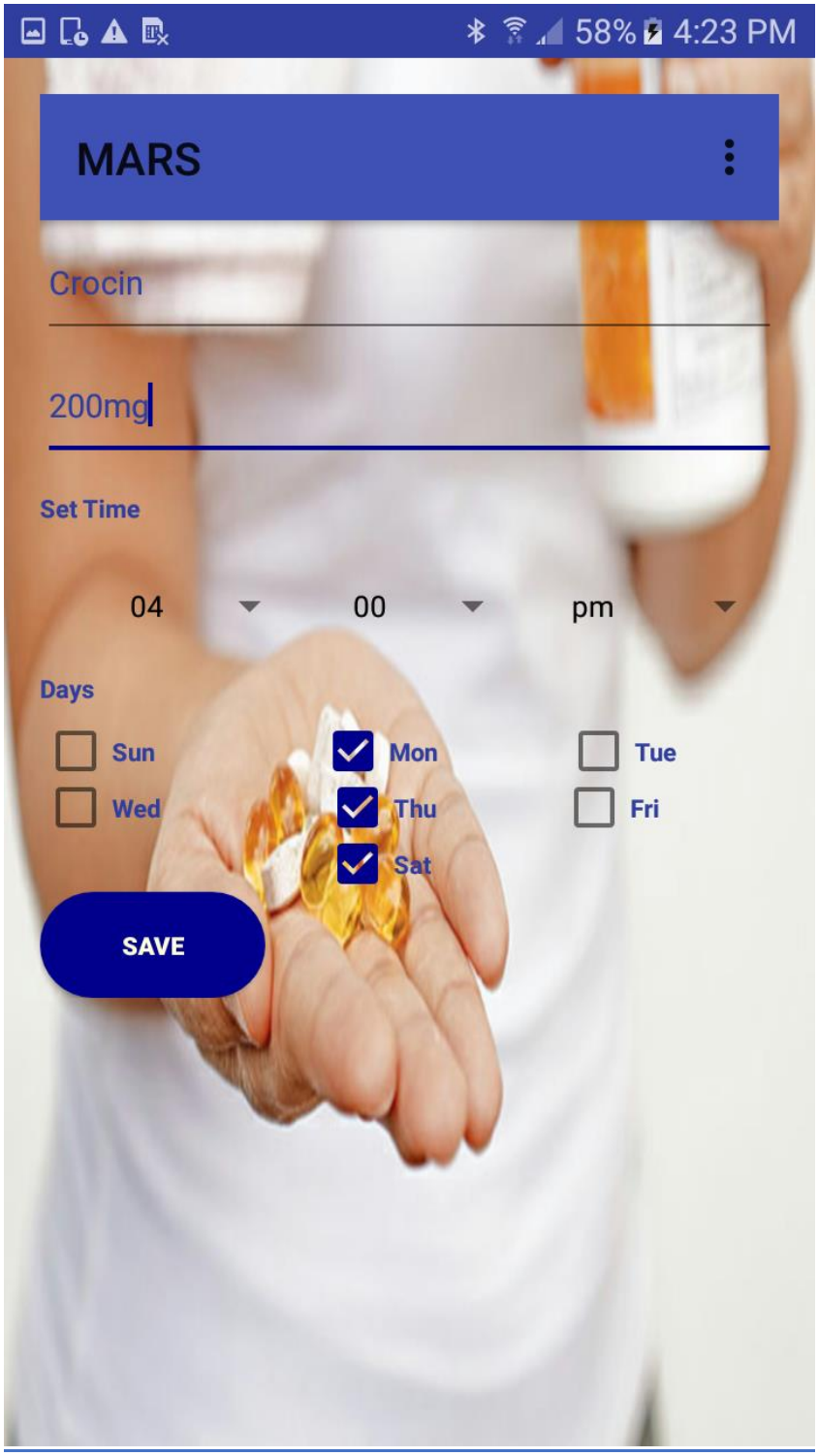
LoginActivity Screen in Android:



MainActivity Screen in Android:

AddActivity Screen in Android:

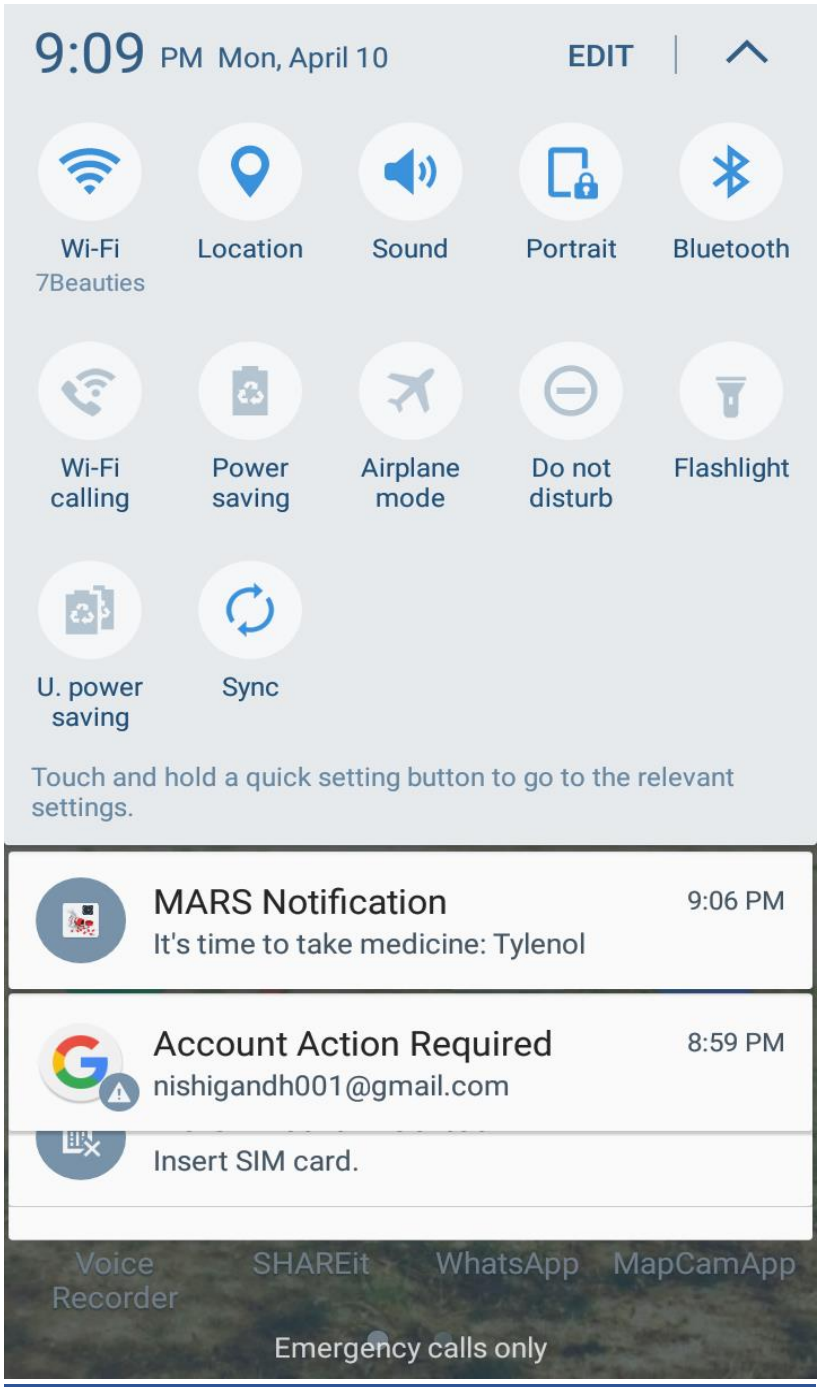



58% 4:23 PM
MARS
Crocin
200mg
Set Time
04
00
pm
Days
Sun
Mon
Tue
Wed
Thu
Fri
Sat
SAVE

MainActivity Screen in Android:

UpdateActivity Screen in Android:

NotificationActivity Screen in Android:



Existing Services/API

MEDICINE REFILL:

MEDICINE INFORMATION RETRIEVAL

DailyMed API:

DailyMed provides high quality information about marketed drugs. This information includes FDA labels. This Web site provides health information providers and the public with a standard, comprehensive, up-to-date, look-up and download resource of medication content and labeling as found in medication package inserts. By using this API we can retrieve information related to a particular medicine.

URL: https://www.healthdata.gov/dataset/dailymed

Testing

Sr. No	Test Case	Description	Expected Output	Result
1.	Successful User Authentication	The user should login with username and password.	Successful Login	Pass
2.	Unsuccessful User Authentication	The user logs in with wrong username or password	Login unsuccessful with error- Invalid username or password	Pass
3.	Registration by new user	Admin accepts registration details from the user	Successful registration and transition to Login page	Pass
4.	Invalid Email ID	Invalid Email Id alert.	Error- Enter valid email address	Pass

Technologies Used

Implementation of Mobile Apps- Technology Used:

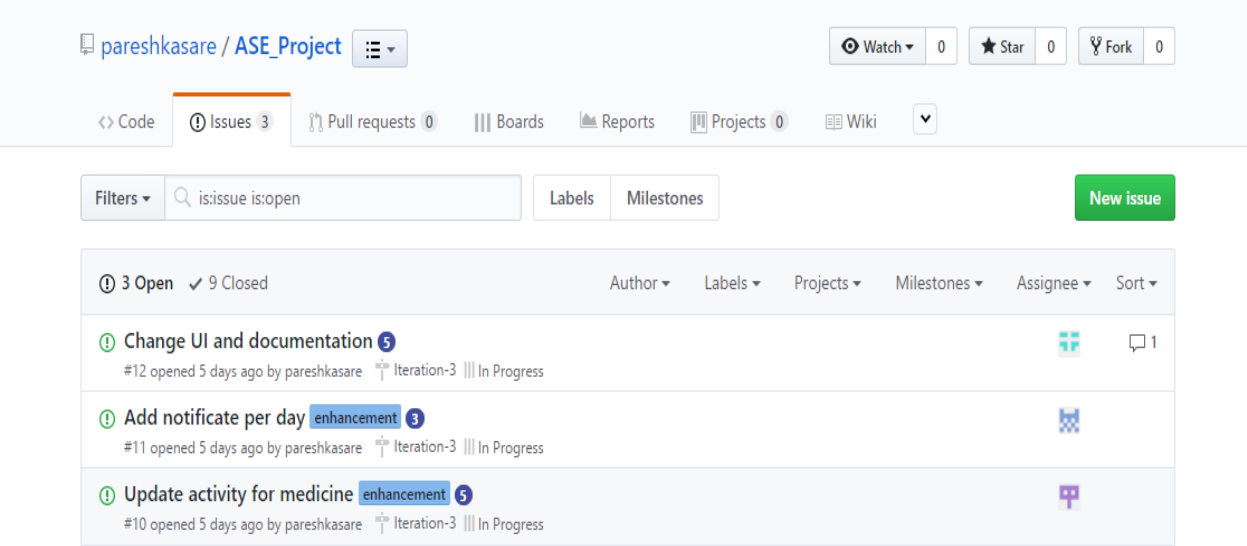
- XML
- CSS
- JavaScript
- Java

Tools Used:

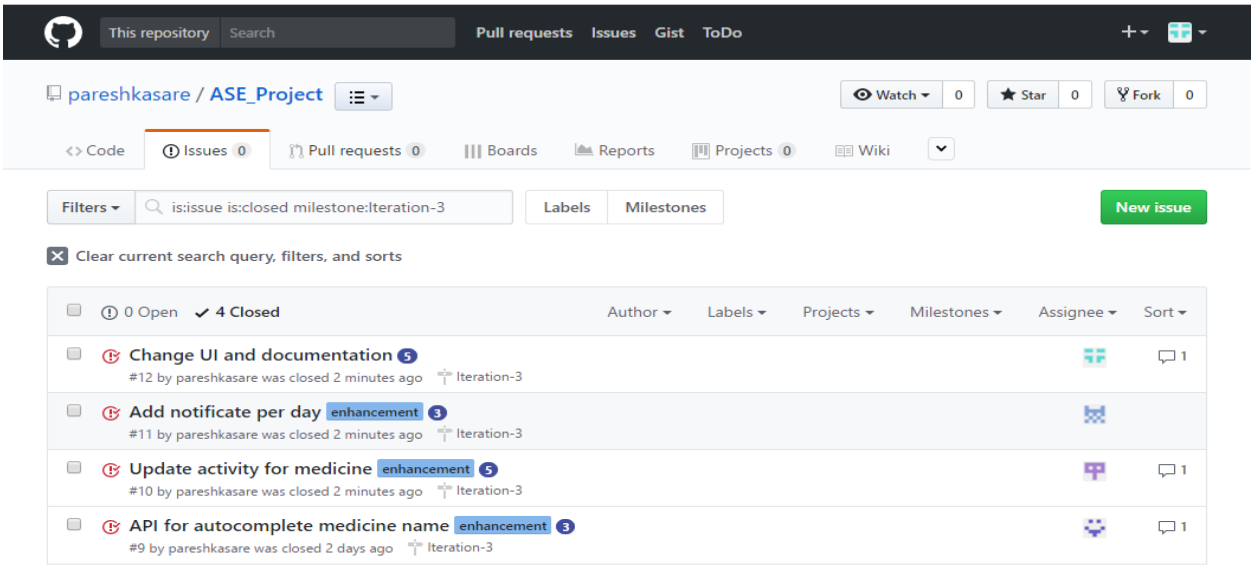
- www.Creately.com
- Android SDK

Project Management

Issues:



Closed Issues:



Burndown Chart:

Bibliography

http://www.fda.gov/Drugs/ResourcesForYou/SpecialFeatures/ucm485545.htm

http://www.fda.gov/ForConsumers/ConsumerUpdates/ucm164616.htm

http://www.pfizer.com/health/senior_health/taking_medicines

https://cloud.google.com/vision/

https://www.programmableweb.com/api/walgreens-pharmacy-prescription-refill

https://www.healthdata.gov/dataset/dailymed