

## **Saver 'n Saviour**

Team 10 members: Dig Vijay Kumar Yarlagadda, Sushma Mitta, Pooja Shekhar, Chandra Sekhar Janyavula

### **Fourth increment report:**

#### **Introduction:**

Saver 'n Saviour is an android application which can manage everyday to do lists with time and location based reminders. After logging in to the application, users can add, edit, delete items in their to do lists and create reminders on them. Whenever the user reaches nearby a grocery store, they will be reminded of the items in their to do list.

In this increment, we have developed location based reminders: users are reminded whenever they reach nearby a grocery store.

#### **Objectives:**

The primary objectives are:

- Create task list
- Establish MongoDB connection to store user data
- Create location based reminders

#### **Features:**

The salient features of the application are:

- Register and Login features
- Create to do lists for different categories and modify, delete or check mark tasks
- Store and synchronize all the user data with database
- Location based reminders

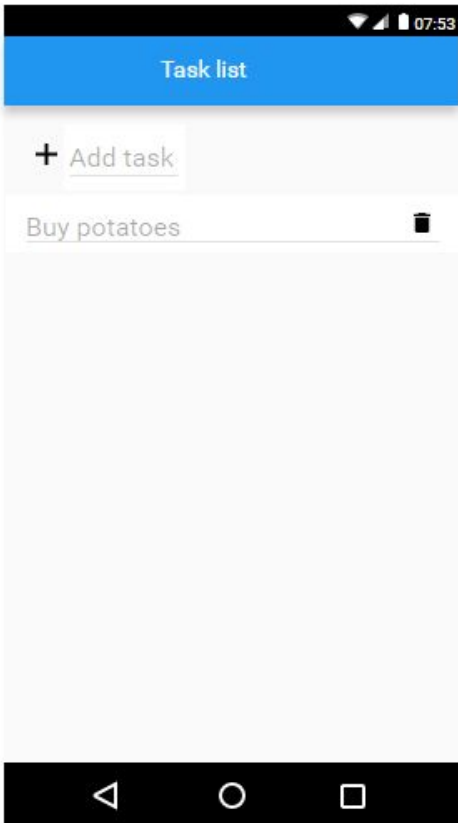
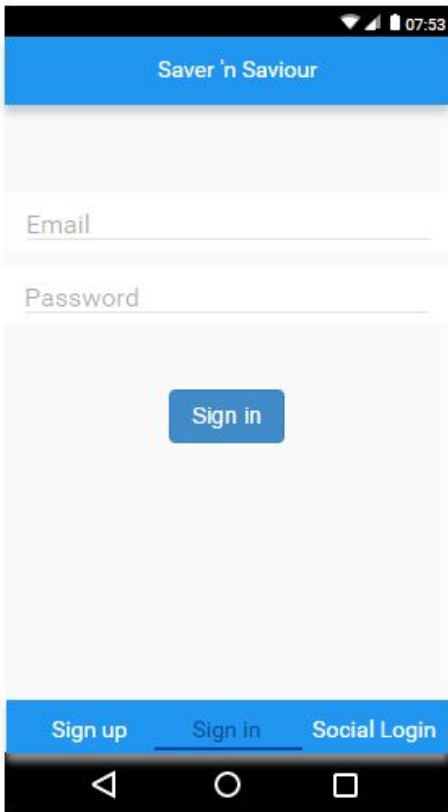
#### **Existing Services/API:**

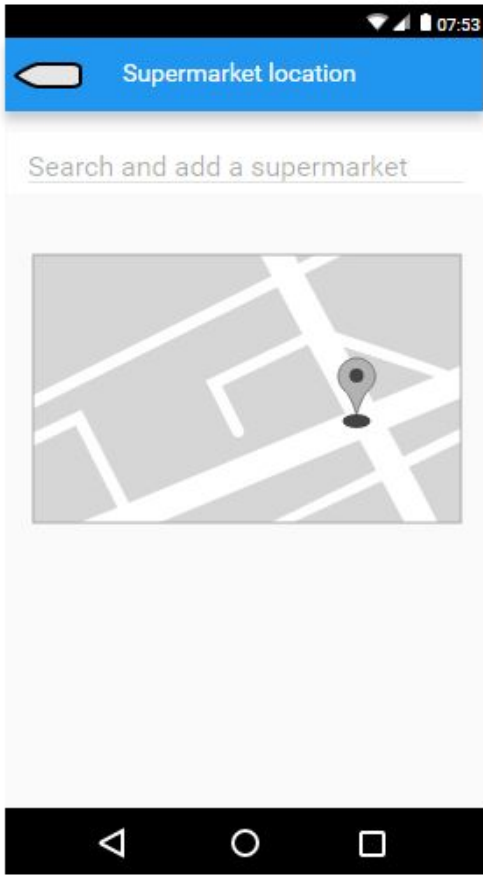
- Mongo Lab
- Google Places API
- Walmart API
- OpenMaps API
- Twilio API

Wireframes:

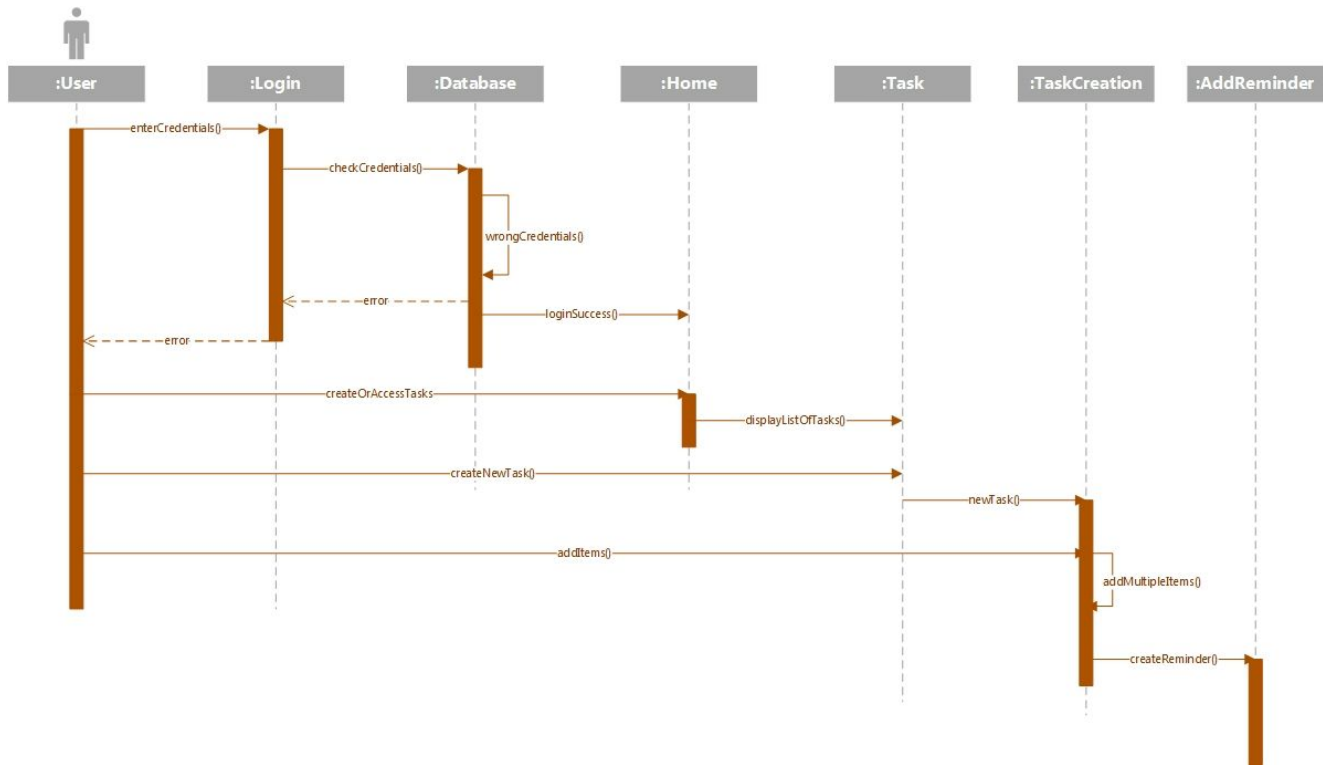


Mockups:

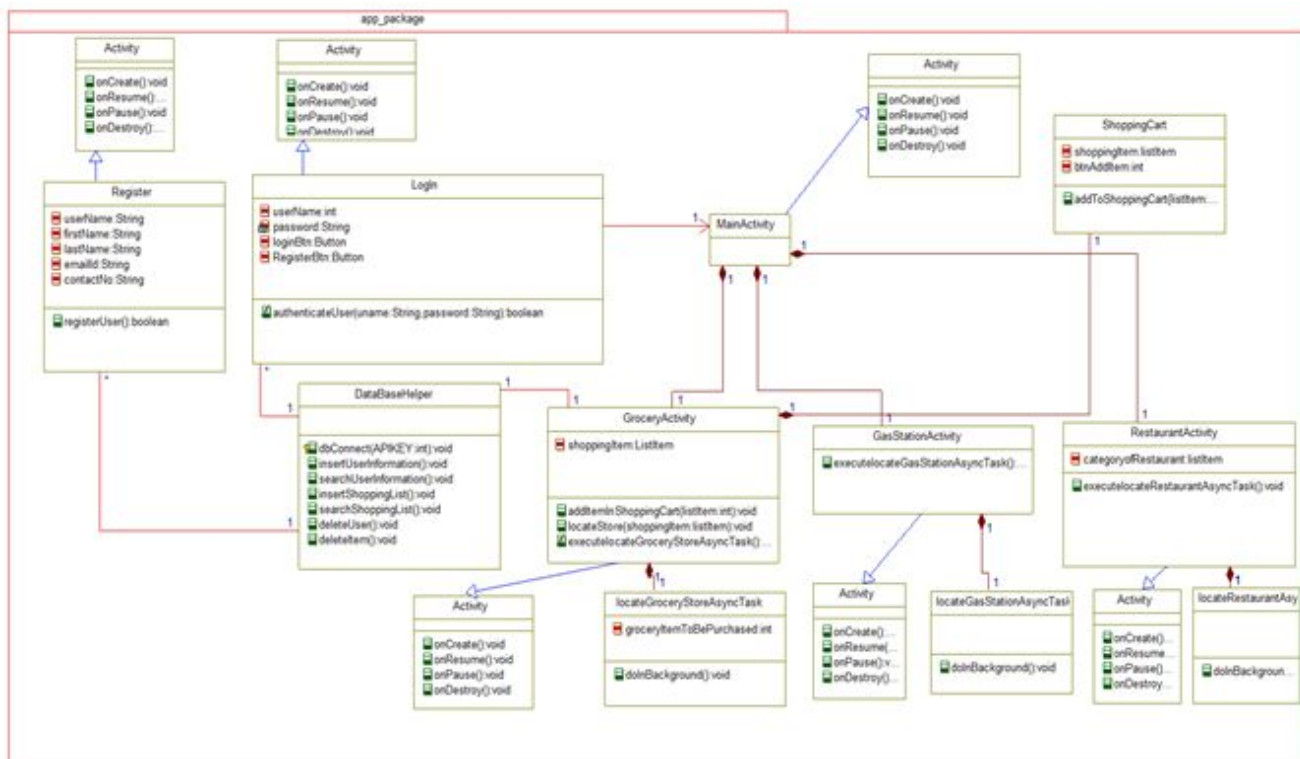




Sequence diagram:



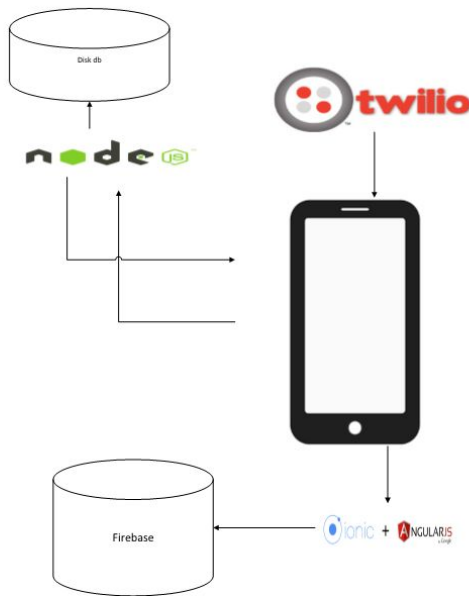
Class diagram:



Use case diagram:



### Architecture diagram:



### Implementation:

This android application has been implemented using ionic framework which is based on Angular.js. The app data has been hosted on a Firebase database.

### Deployment:

The application has been deployed to Nexus 5 running Android 6.0. The below screenshots shows the login and register features, task creation and location based reminders.

9:07

Saver 'n Saviour

Email

Password

Sign Up

9:07

Saver 'n Saviour

Email

Password

Sign In

Sign In

Sign Up

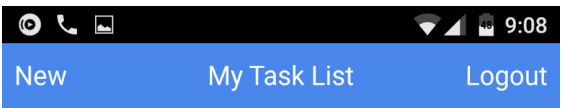
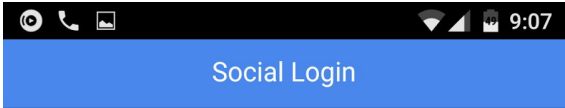
Social Login

Sign In

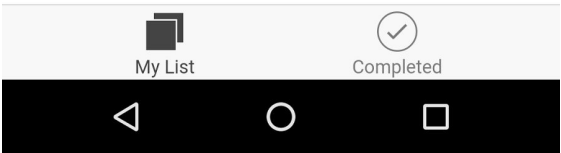
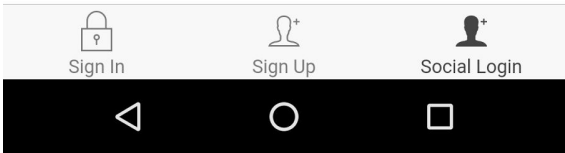
Sign Up

Social Login





No Items in your bucket List. Click [Here](#) and create one



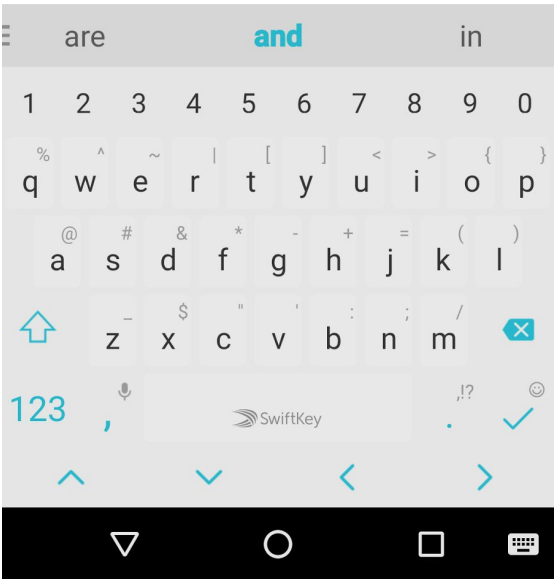
Buy eggs



  
My List

  
Completed

Onions



Buy eggs

✓

🗑

Onions

✓

🗑

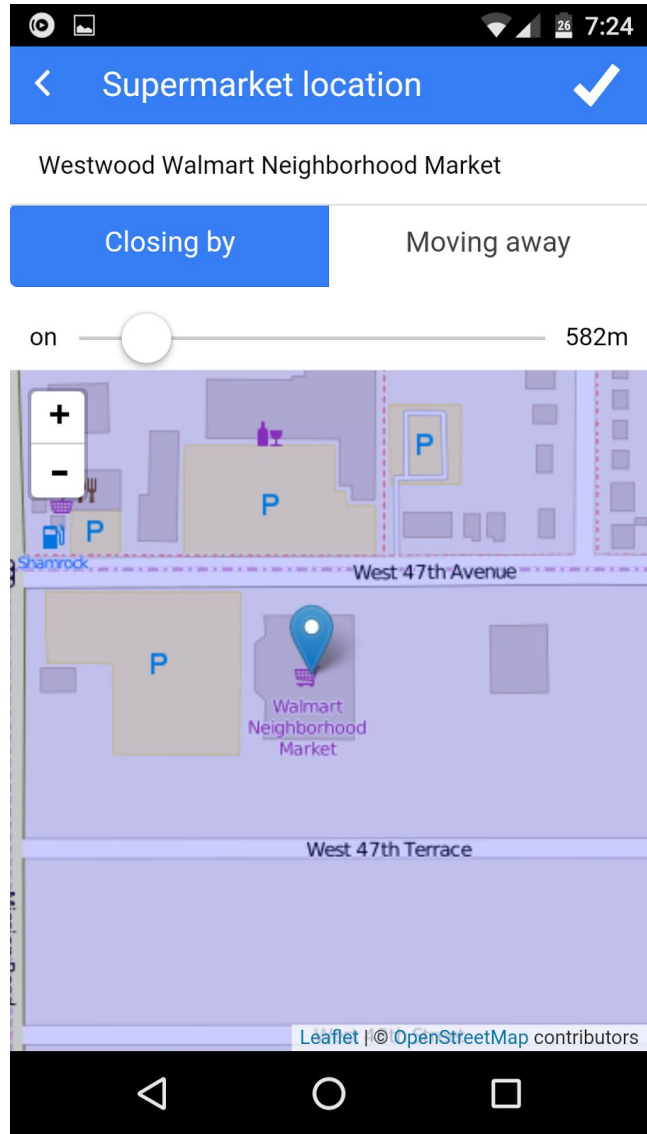
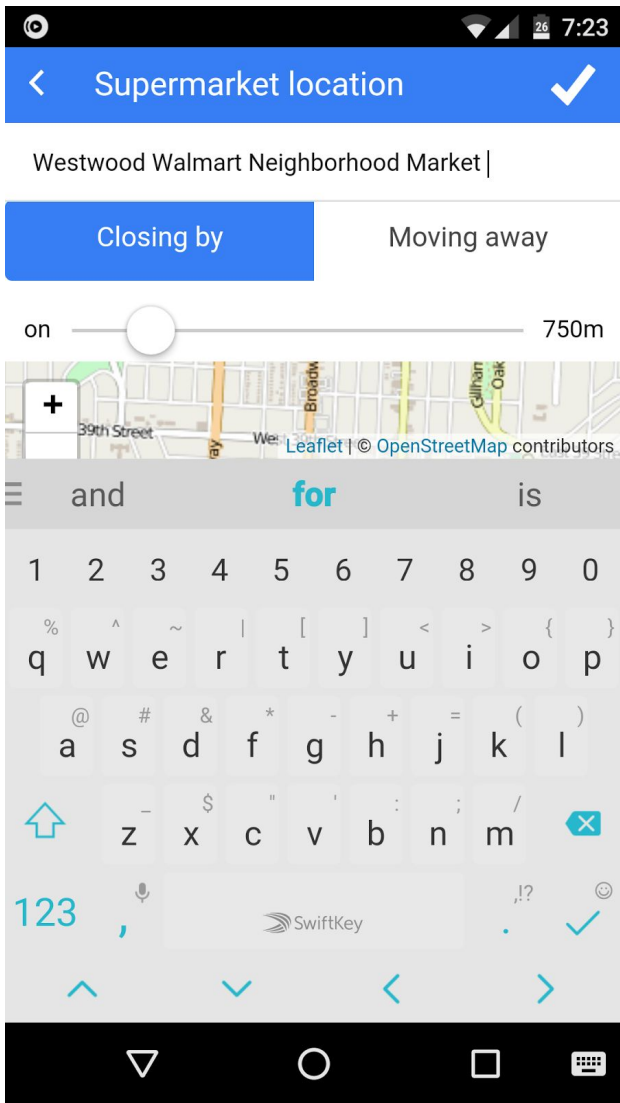
Onions

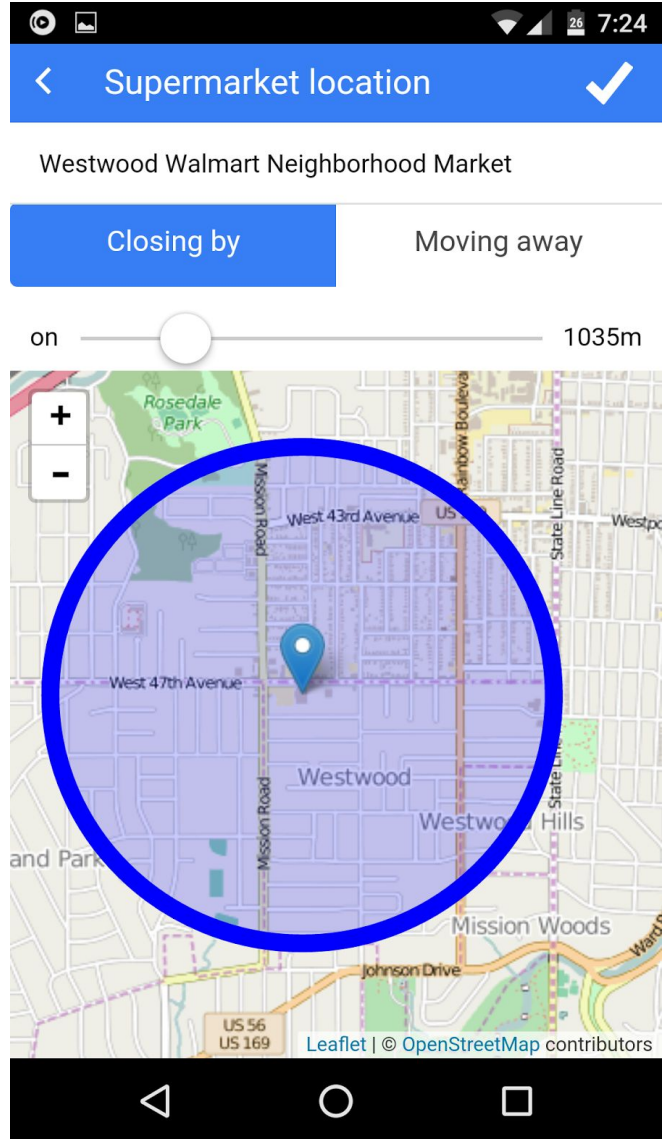
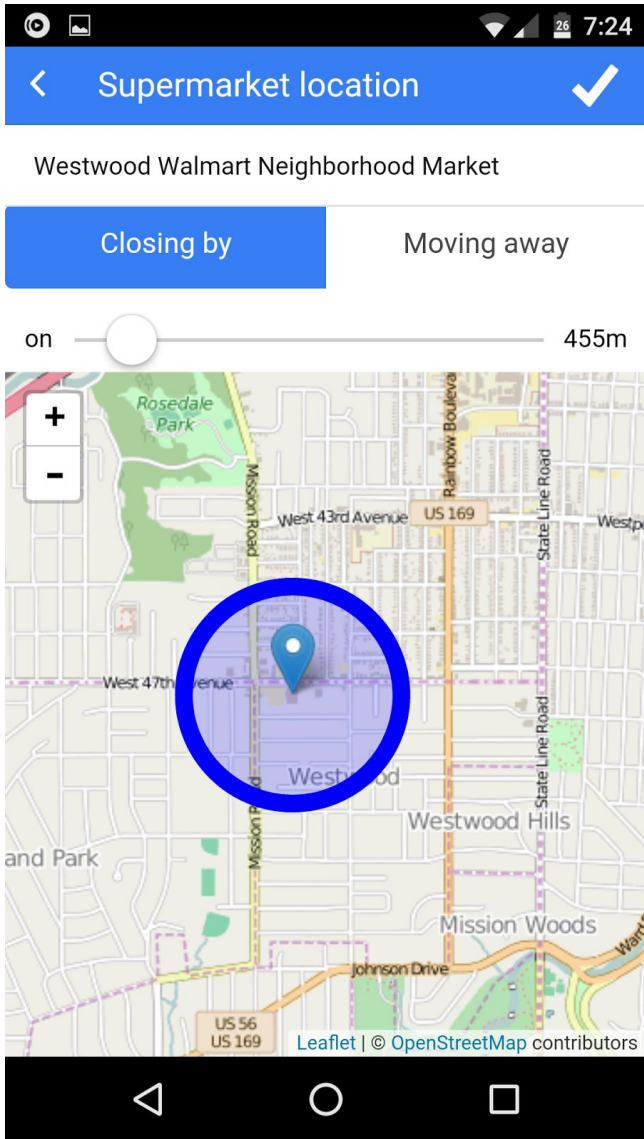
🗑

Add some locations



No locations added yet.



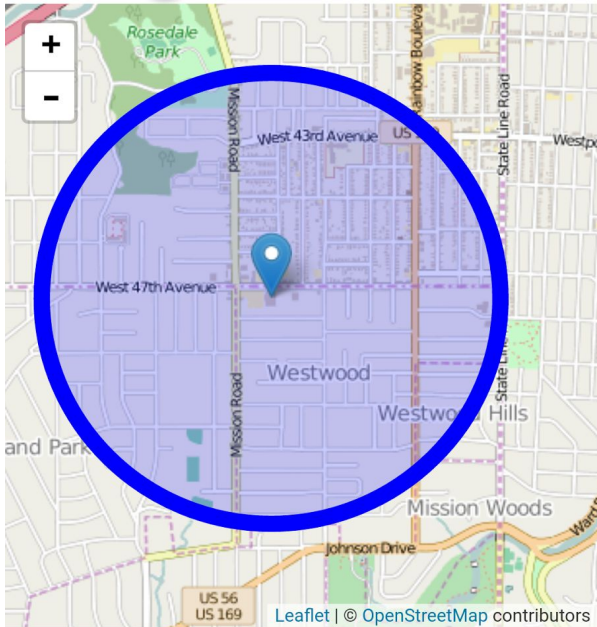


Westwood Walmart Neighborhood Market

Closing by

Moving away

on  1035m



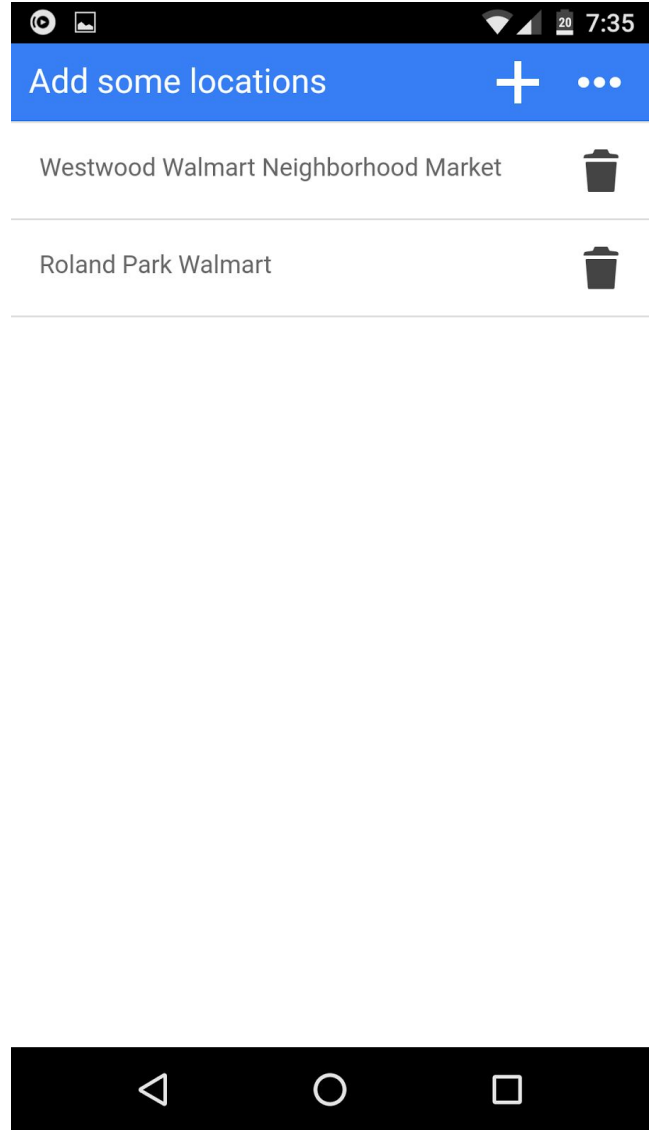
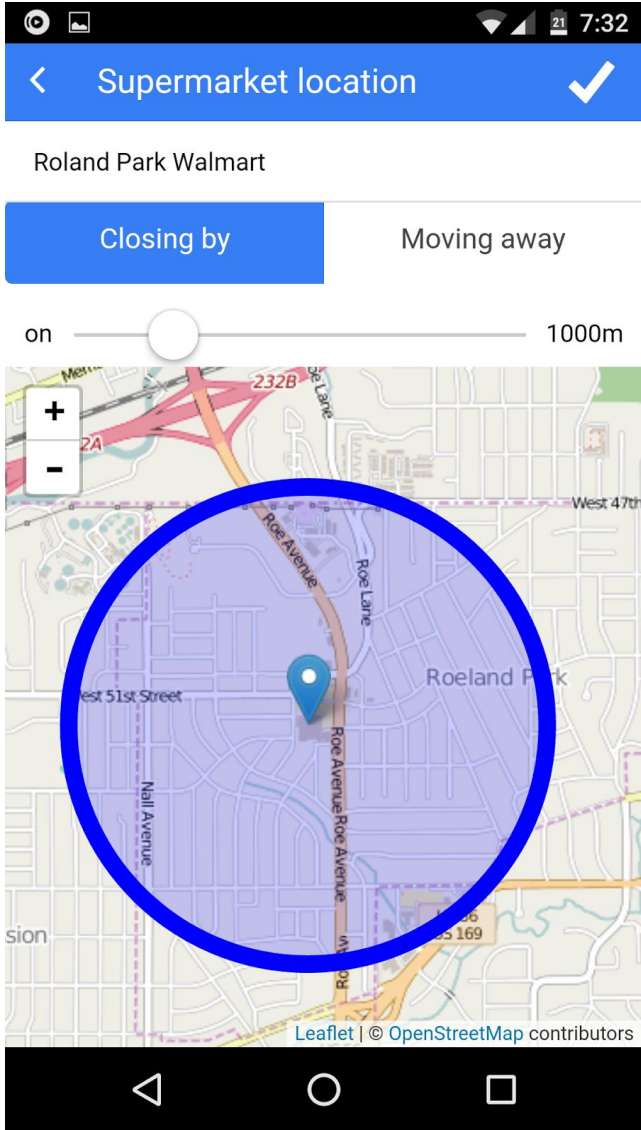
Add some locations



Westwood Walmart Neighborhood Market







Project management:

This repository

Search

Pull requests

Issues

Gist

ToDo

+

-

digvijaykumariyargadda / ASE\_Team\_10\_Spring16

Unwatch

3

Star

0

Fork

0

<> Code

Issues

Pull requests

**Boards**

Burndown

Wiki

Pulse

Graphs

Settings

Repos (1/1)

show one

Labels

Milestones

Assignees

n

Search (/)

Q

How issue

New Issues

Backlog

To Do

In Progress

Done

145

Closed

16

ASE\_Team\_10\_Spring16 #16

Task 15: Twilio Reminder

40

enhancement

ASE\_Team\_10\_Spring16 #15

Task 14: Geo-Fences

21

enhancement

ASE\_Team\_10\_Spring16 #14

geo-fence

12

ASE\_Team\_10\_Spring16 #10

Deployment

13

ASE\_Team\_10\_Spring16 #5

Home activity creation

21

ASE\_Team\_10\_Spring16 #6

Gas station locator

8

ASE\_Team\_10\_Spring16 #8

Speech to text implementation

Add a Pipeline ...

Code

Issues

Pull requests

**Boards**

Burndown

Wiki

Pulse

Graphs

Settings

Increment IV

Edit Milestone

Change Milestone

Start: Apr 1, 2016

Edit

Due: Apr 29, 2016

Edit

powered by | Jira

70

60

50

40

30

20

10

0

1/4

3/4

5/4

7/4

9/4

11/4

13/4

15/4

17/4

19/4

21/4

23/4

25/4

27/4

29/4

74

Total Story Points

74

Completed Story Points

4

Total Issues

0

Unestimated Issues

Increment IV

Repository

Issues

Story Points

ASE\_Team\_10\_Spring16

#16 Task 15: Twilio Reminder

40

ASE\_Team\_10\_Spring16

#15 Task 14: Geo-Fences

21

ASE\_Team\_10\_Spring16

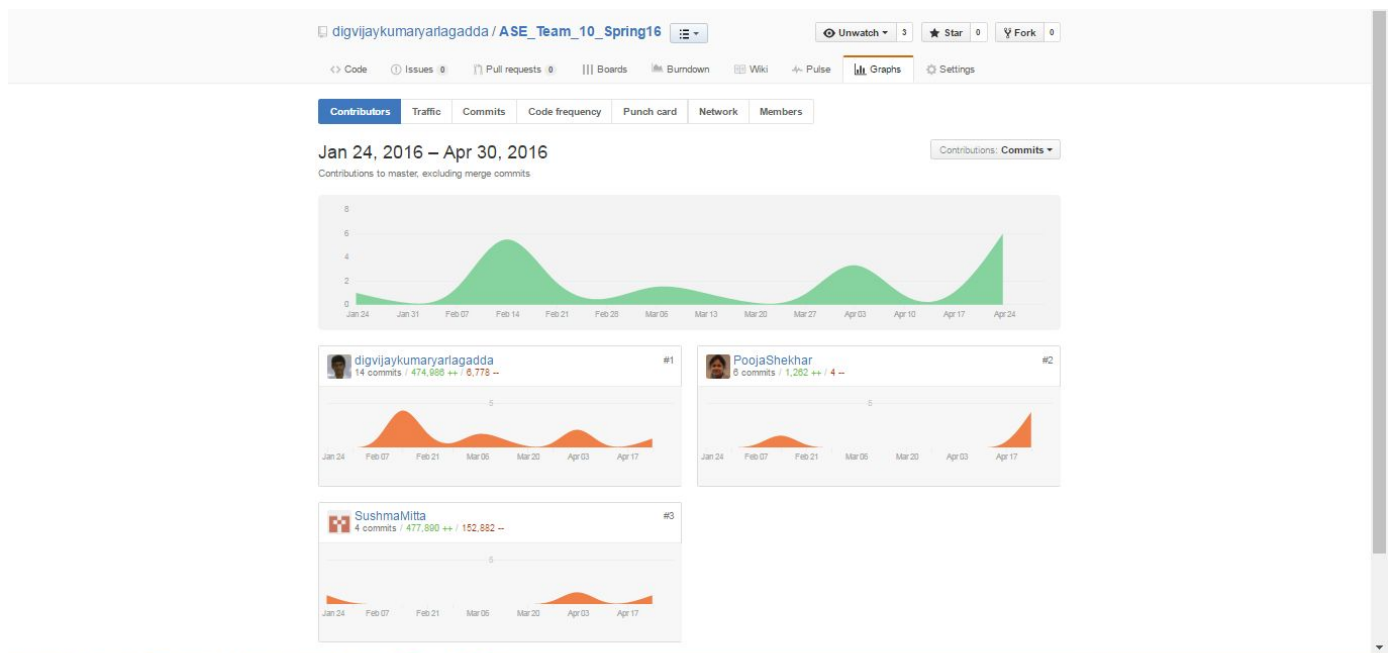
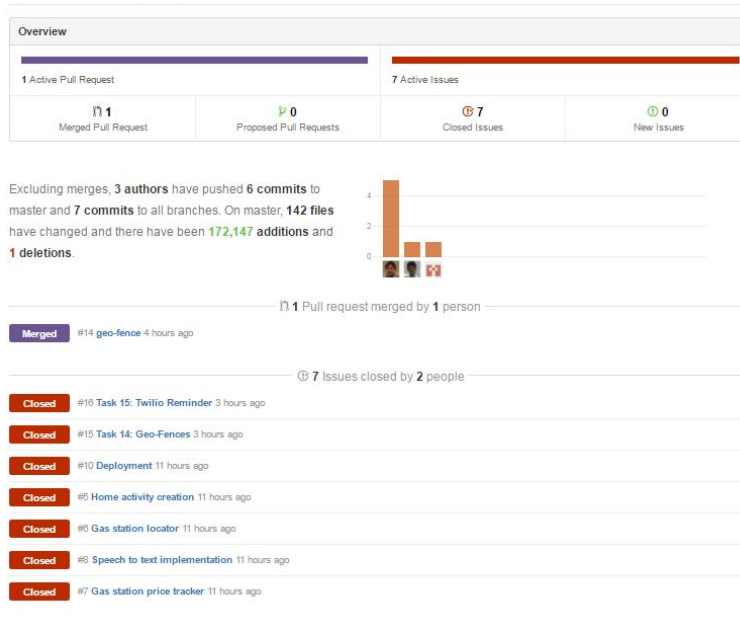
#11 Database connection

12

ASE\_Team\_10\_Spring16

#10 Deployment

13



Project GitHub repository:

[https://github.com/digvijaykumaryarlagadda/ASE\\_Team\\_10\\_Spring16](https://github.com/digvijaykumaryarlagadda/ASE_Team_10_Spring16)

Team members contribution:

Pooja Shekhar (25%) – Login and register page creation, DB connection

Dig Vijay Kumar Yarangadda (25%) – Location based reminders (geofences), Task creation

Sushma Mitta (25%) – Task creation, DB storage

Chandra Sekhar Janyavula (25%) – Project documentation

Bibliography:

[1]. <http://ionicframework.com/>

[2]. <https://github.com/driftyco/ionic-todo>

[3]. <https://github.com/cowbell/cordova-plugin-geofence>

[4]. <https://github.com/cowbell/ionic-geofence>

[5]. <https://developer.walmartlabs.com/>

[6]. <https://www.firebase.com/>

[7]. <http://www.sitepoint.com/creating-firebase-powered-end-end-ionic-application/>

[8]. <http://thejackalofjavascript.com/ionic-twilio-and-node-scheduler-part-1/>