

CS 5551 Advanced Software Engineering

Project Second Increment Report

App Name: Get On Wheels

Team#: 4 (Elite4)

Team Members:

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Gogadi Sravanthi

Bhargavi Nadendla

Khushbu Shashikant Kolhe

Project Increment 2

1. Existing Services/ REST API:

We used :

Wunderground API for weather

TMDB API for movies

Google Places API for shopping malls

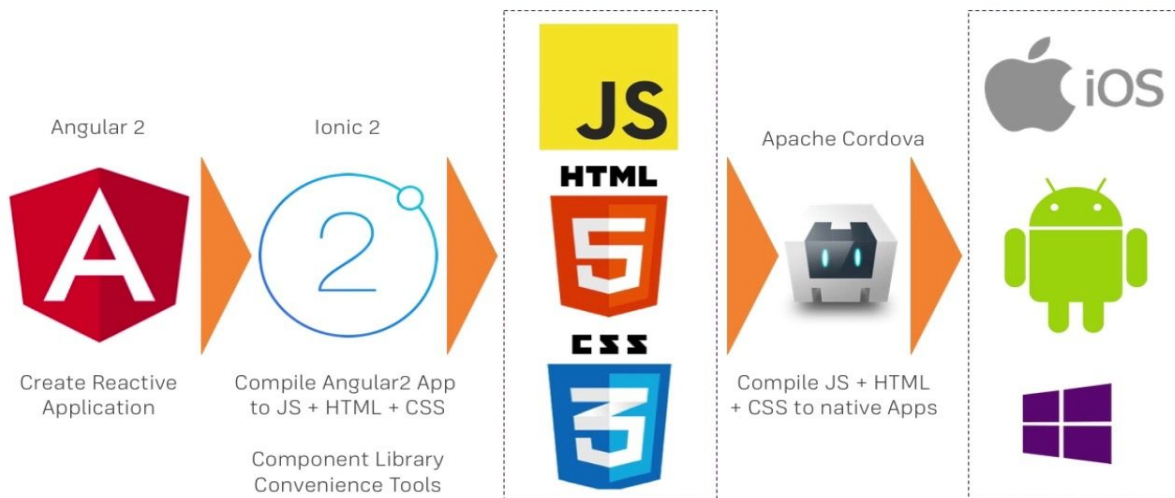
Zomato API for Restaurants.

2. Detail Design of features:

Wireframe mockups for the complete application, class diagram, sequence diagram, use case diagram have been completed in the first increment.

2.1 Architecture diagram:

In increment 2 we have decided to implement Ionic 2 application using angular 2. The architecture diagram of ionic 2 is as follows:



3. Testing:

We have performed the following tests:

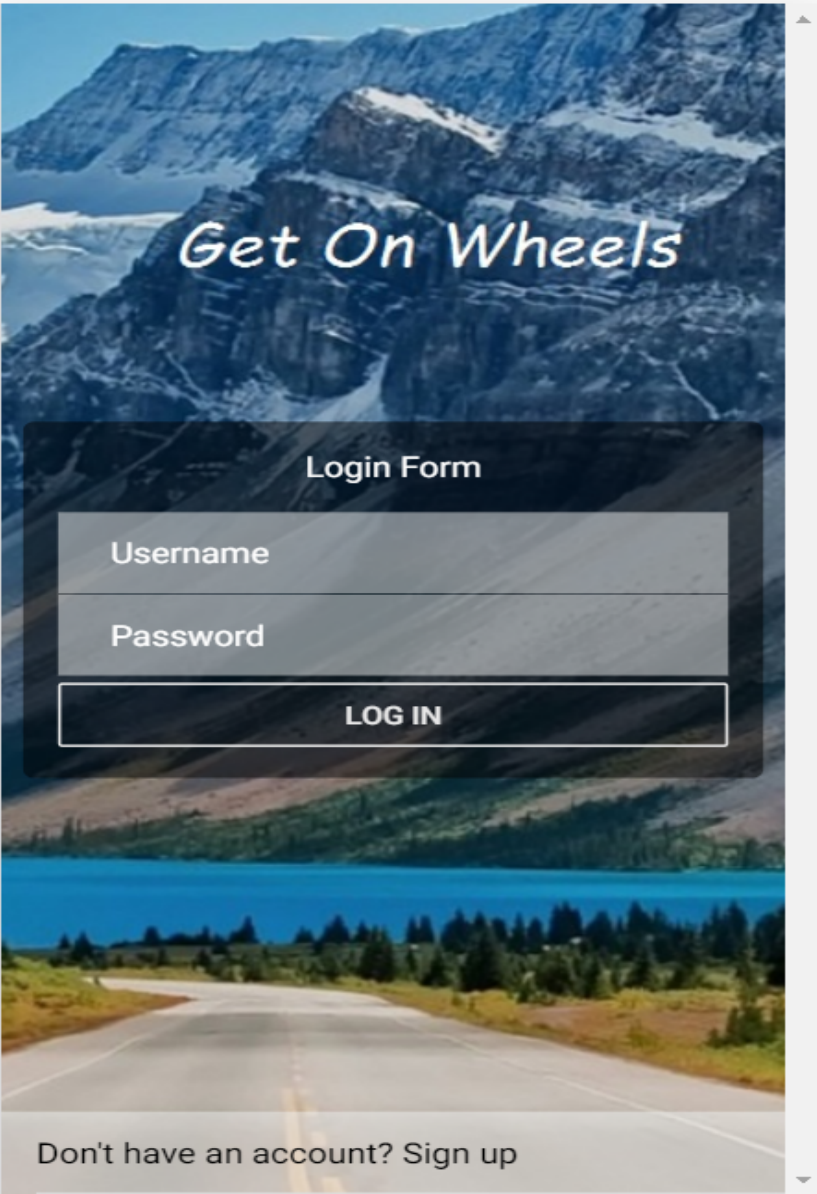
1. Whether the user is able to successfully register his name and password. The registered details are stored in the firebase.
2. The user should then login in with his correct details and must be redirected to the home page of the application.
3. Gmail and Facebook OAuth logins must redirect the user successfully to the application's home page.

S.No	Test Case Title	Description	Expected Outcome	Result
1	Successful user Verification	The user should login with their password and email id	User should login successfully	Pass
2	Unsuccessful User	Login to the system with a wrong password	Login should fail with wrong password	Pass
3	Successful user login	The user should login with their password and email id	User should login successfully and enter in to the application.	Pass
4	OAuthentication	User can be able to login with facebook or gmail login.	User can create a new login or can login with social oauthentication.	Pass
5	New user should signup	After providing the details new user gets registered successfully	User registration should happen successfully	Pass

4. Implementation (Ionic 2 App):

Login Page:

When GetOnWheels app is opened the user sees the following login page. Where existing user can login and new user can sign-up.



Get On Wheels

Login Form

[Don't have an account? Sign up](#)

Get On Wheels

Login Form

raji@gmail.com

.....

LOG IN

Don't have an account? Sign up

Registration Page:

GetOnWheels

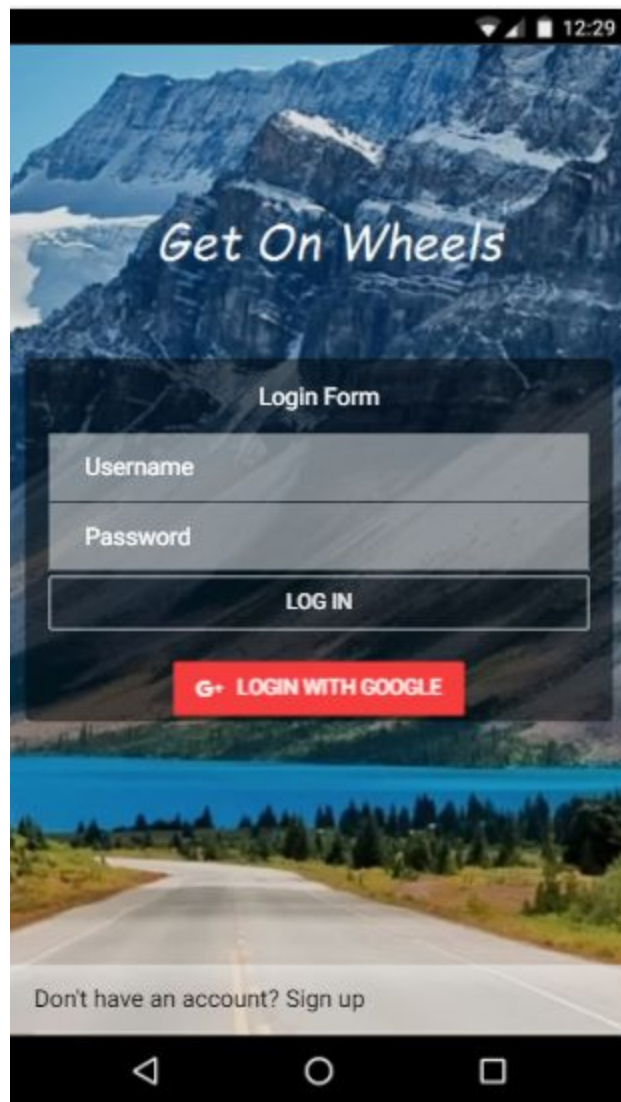
Please enter your details to register.

Register Form

Email Id
Password
Confirm Password
Register








Gmail Login:

The user can login through Google account where he can enter his google email id and password to move to the Home page of the application.



Firestore login:

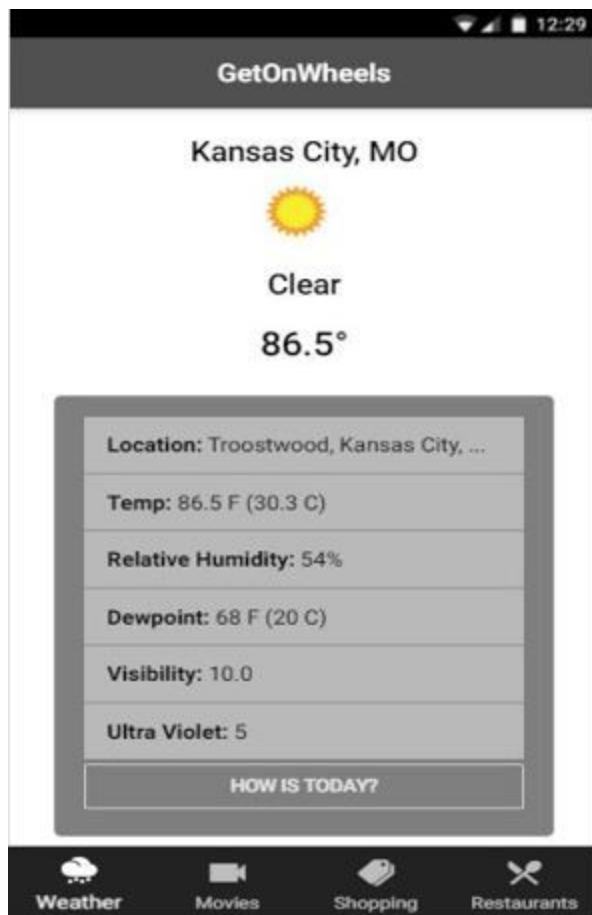
When the user registers, his details are stored in firestore and can be viewed as follows:

USERS				
SIGN-IN METHOD TEMPLATES USAGE				
<div><div><div></div><div>Search by email address, phone number, or user UID</div></div><div><div>ADD USER</div><div></div><div></div></div></div>				
Identifier	Providers	Created	Signed In	User UID ↑
sravs@gmail.com		Oct 11, 2017	Oct 11, 2017	102rCp5s9XfPOMk5dlPUW435s3g1
bhargavinadendla@gmail.com		Oct 11, 2017	Oct 12, 2017	6JMN8SjDOgfWMEZS9L5RnqOddr...
bhar@gmail.com		Oct 11, 2017	Oct 11, 2017	FMYZKH5cHQRbjzXISXRkrYPvnzE3
ramcharan@gmail.com		Oct 11, 2017	Oct 12, 2017	XqWzfEKxXcYAIhrepZ8kcdH7Aoh2
abc@gmail.com		Oct 13, 2017	Oct 13, 2017	nVZqqpGbxTtb6Q6EMcQqkvif9r1
raji@gmail.com		Oct 11, 2017	Oct 13, 2017	ol2baFtLfkZEgiGyr6tu2lgYJXq2
sravs999@gmail.com		Oct 12, 2017	Oct 12, 2017	wrxEvmDpRPNmwsQjl164s4R4DJ...
Rows per page: 50 1-7 of 7 < >				

Weather page:

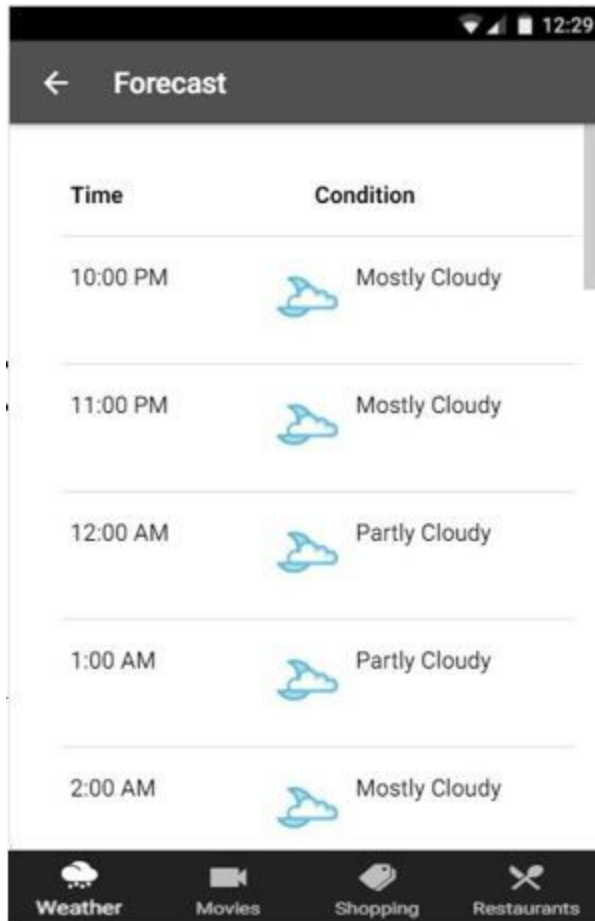
A successful login leads to the below page which gives the current weather information of the user's location. By fetching the user's geo-location and making a call to "Wunderground" weather api, it displays the current condition of the weather, temperature and some parameters related to the weather that can be seen.






The user can also see the forecast for the whole day by clicking "How is today?"



Forecast Page:

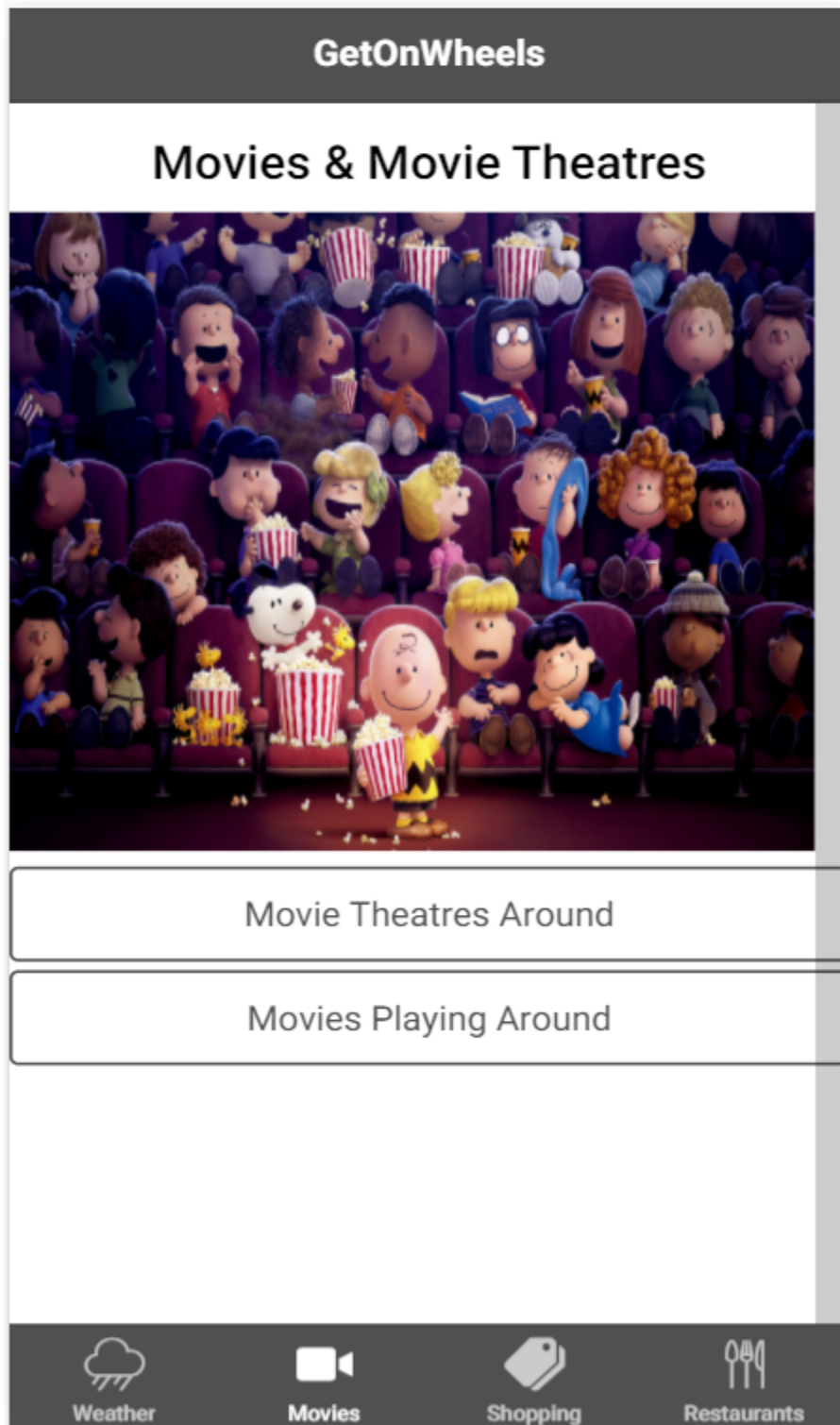
The user is redirected to the forecast page upon clicking. It lists out the hourly information of weather forecast information for the next 12 hours.



Time	Condition
10:00 PM	 Mostly Cloudy
11:00 PM	 Mostly Cloudy
12:00 AM	 Partly Cloudy
1:00 AM	 Partly Cloudy
2:00 AM	 Mostly Cloudy

Movies Page:

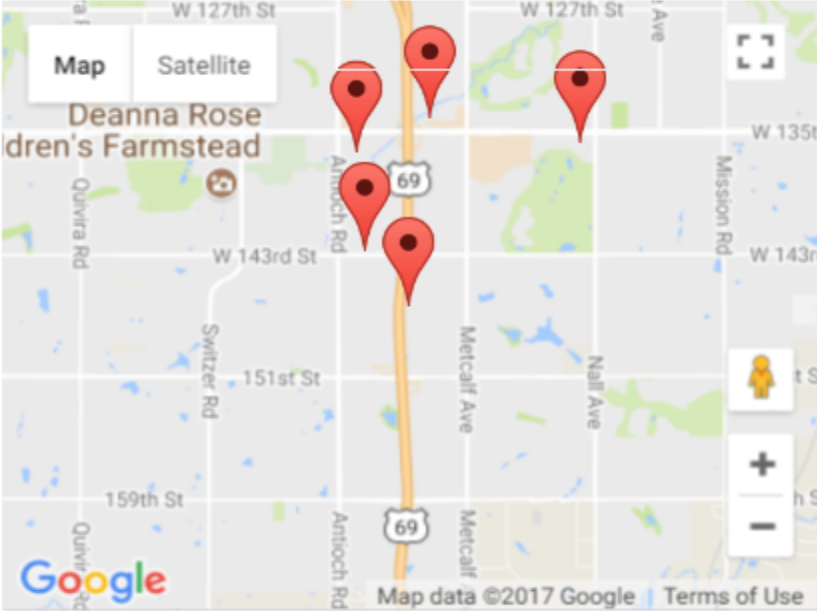
From this page user can navigate to either Movie Theatres around Page or Movies Around Page.



Movie Theatres Around Page:

[< Back](#) **GetOnWheels**

Movie Theatres Around



AMC Town Center 20 **4.2**





AMC Studio 28 with Dine in Thea... **4.3**

B&B Theatres Overland Park 16 **4.1**

South Twin Drive-In [Historical]

Dream in Kc Llc


Starlight Theatre

 Weather  Movies  Shopping  Restaurants

Movies Around Page:

[Back](#) **GetOnWheels**

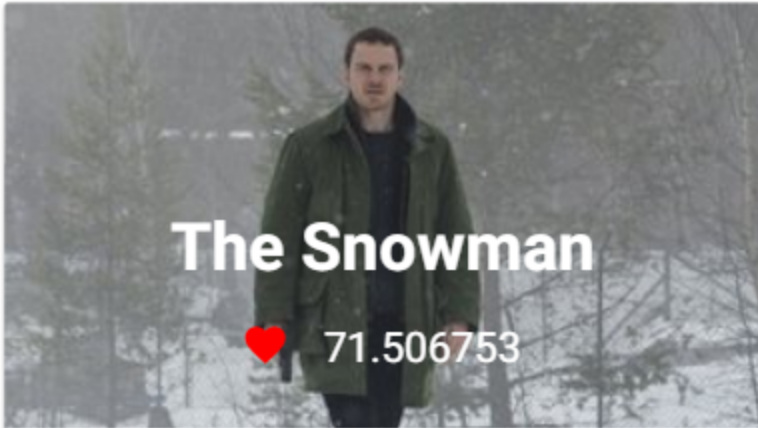
Movies Playing Around



Blade Runner 2049

♥ 319.702307


[View](#)





The Snowman


♥ 71.506753


[View](#)

 Weather

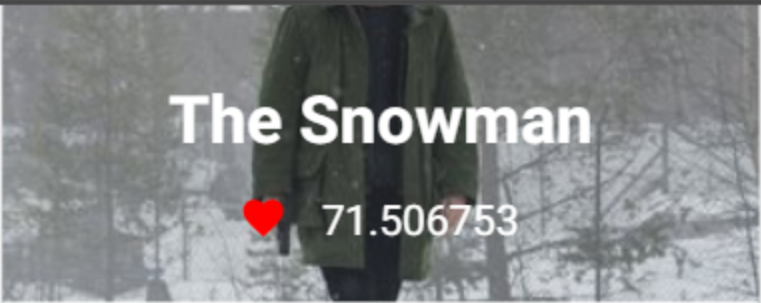
 Movies

 Shopping


 Restaurants

 Back

GetOnWheels



The Snowman

 71.506753

[View](#)



Happy Death Day

 70.734915

[View](#)



Weather



Movies



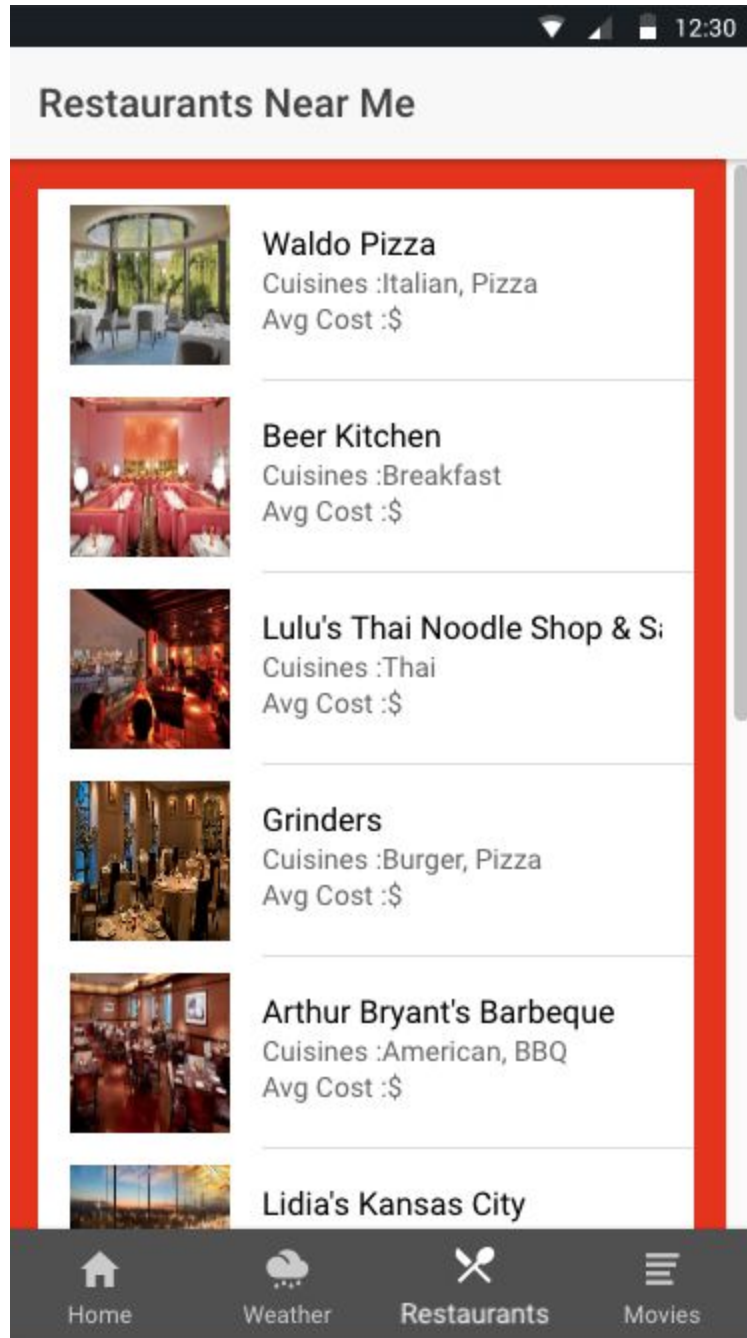
Shopping



Restaurants

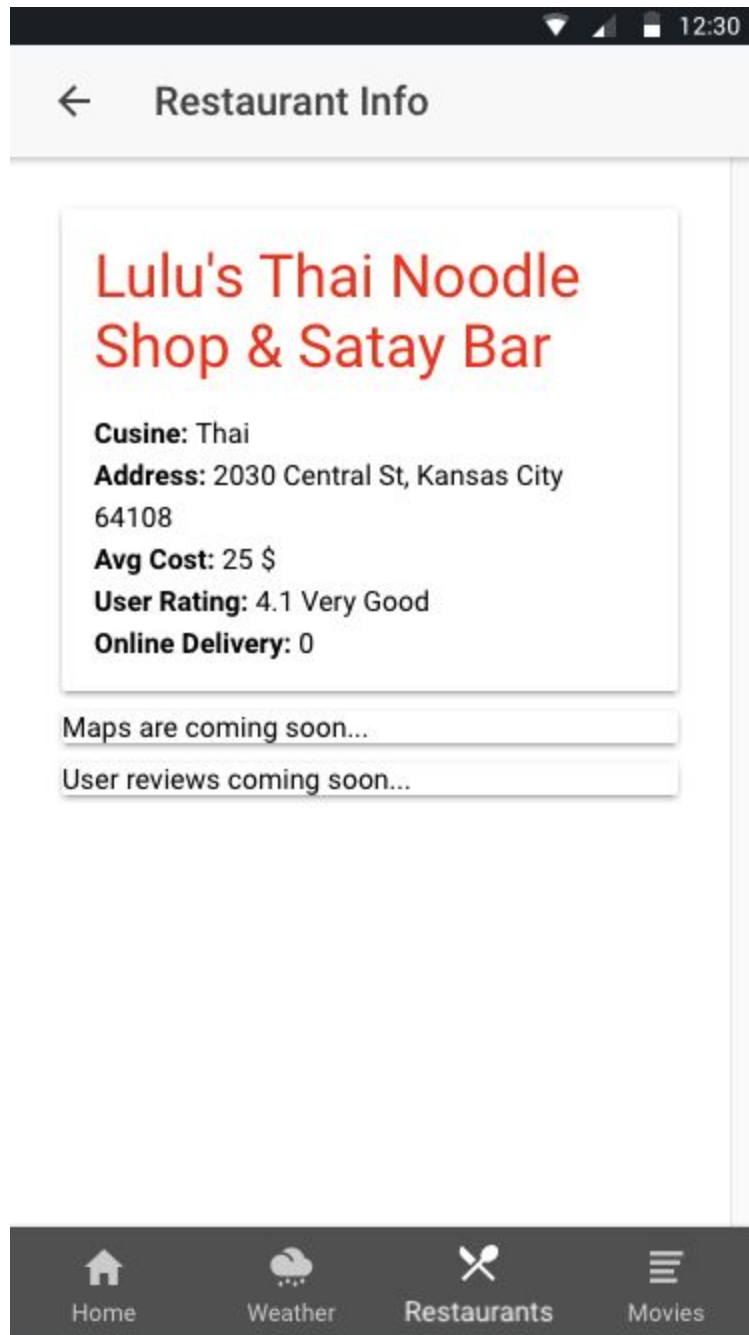
Restaurants :

On clicking restaurants tab at the bottom user's current location is detected and based on current location restaurants in that area are displayed. The restaurants along with its name, type of cuisine and cost for two people is displayed.



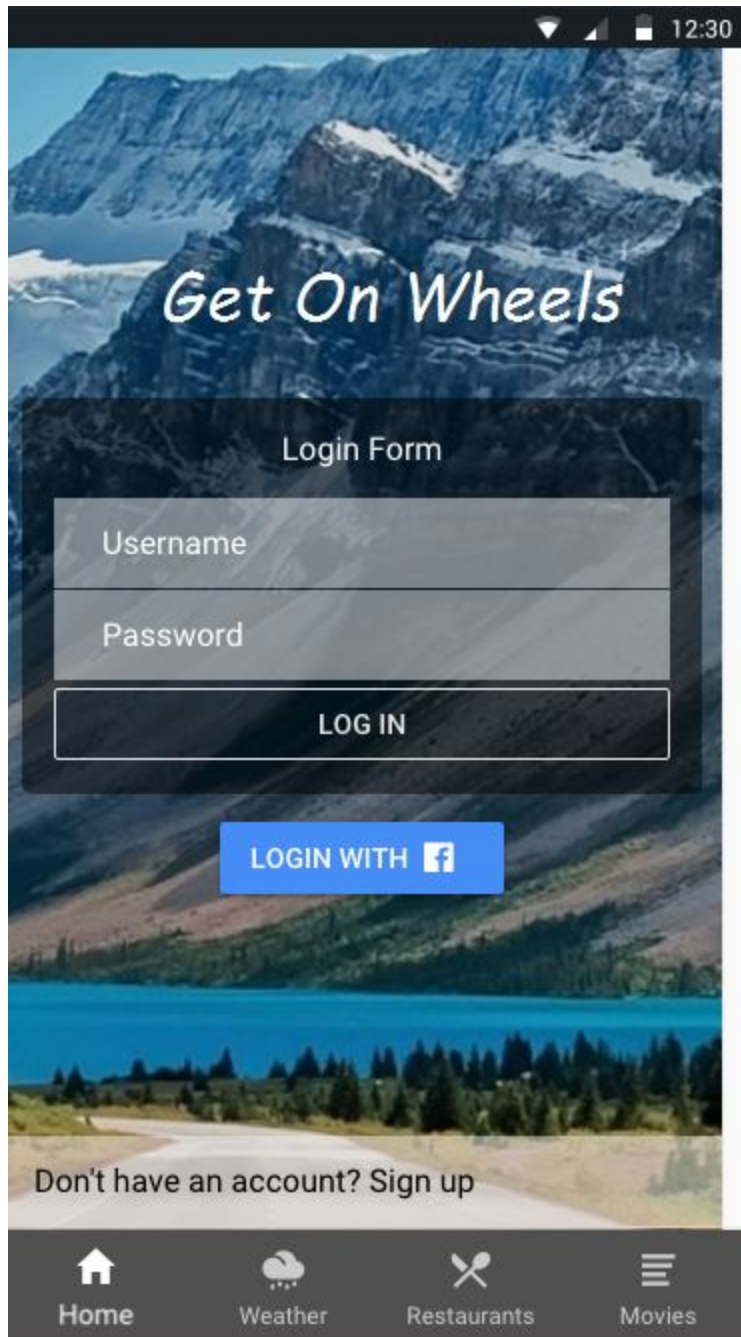
Restaurant Information

On clicking on any of the restaurant's, user is navigated to next page where that restaurant's information in detail is displayed.



Facebook Login Page:

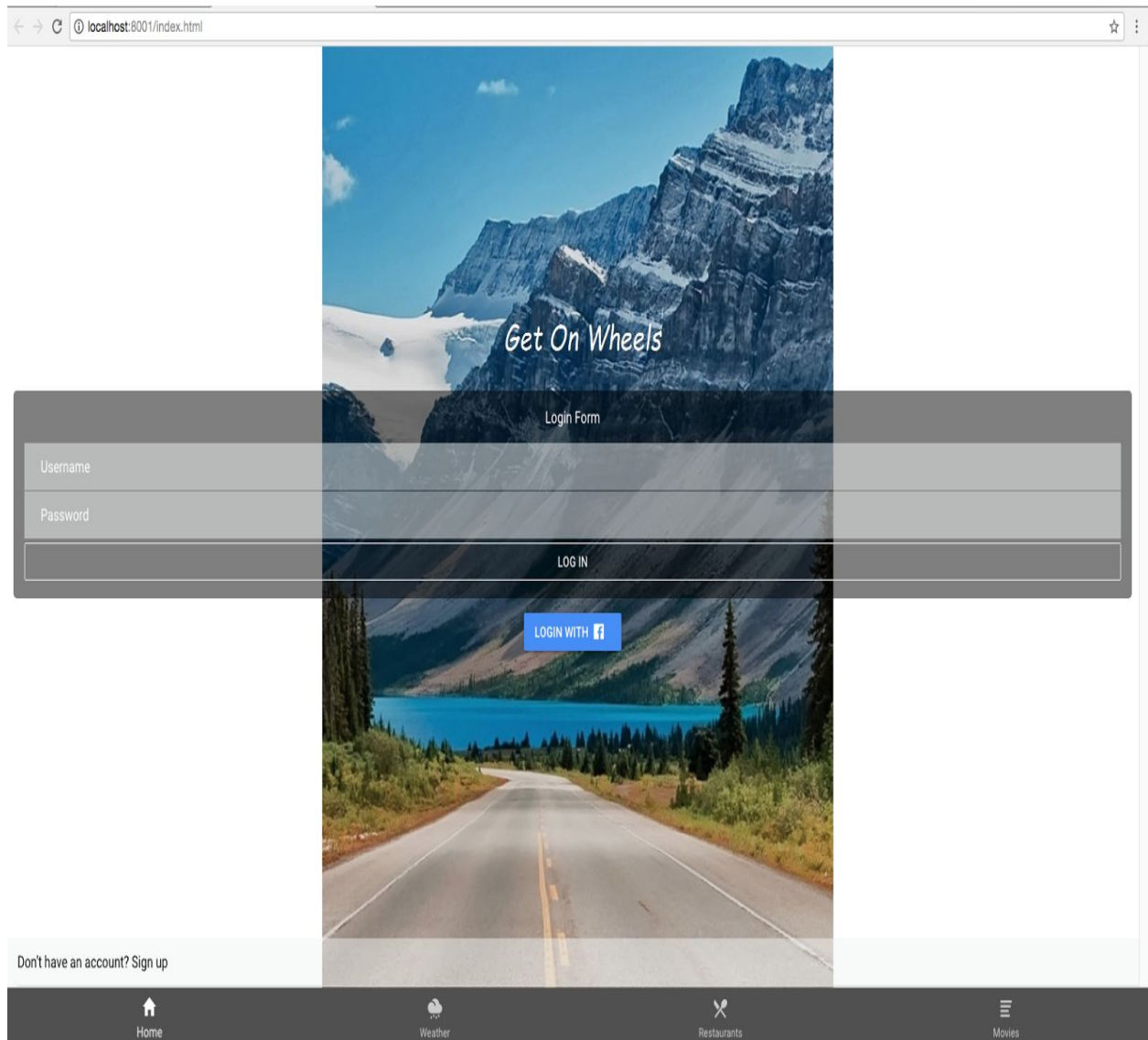
Updated Home page with Facebook Login using cordova plugin.



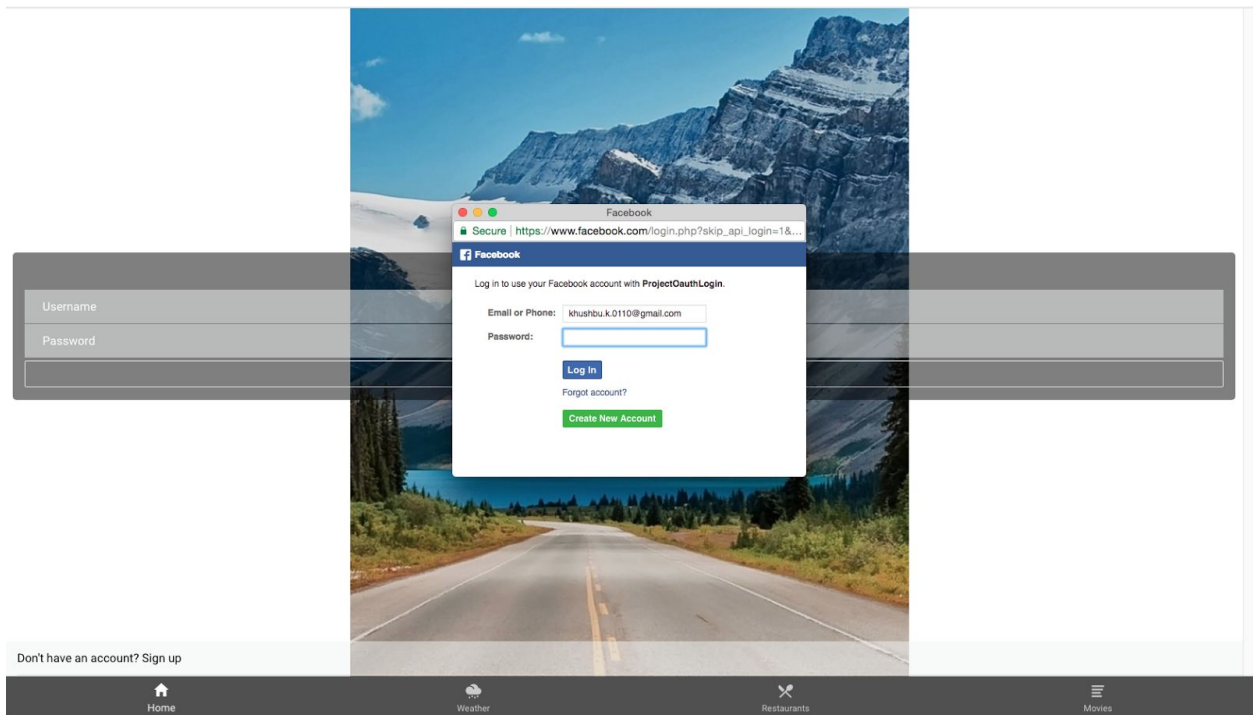
Facebook Web:

Ionic serve doesn't support cordova browser plugins .

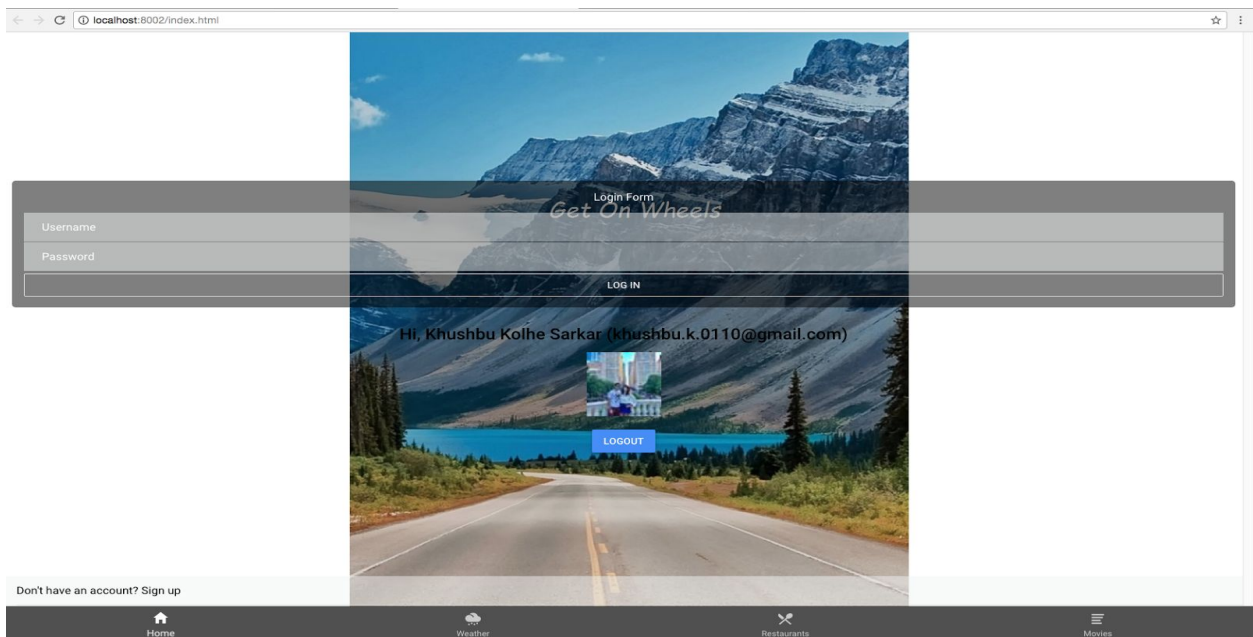
Refer <https://github.com/ionic-team/ionic-cli/issues/354> . Therefore either run it on a hardware device or by executing the command \$ ionic cordova run browser.



Facebook Web: On clicking login



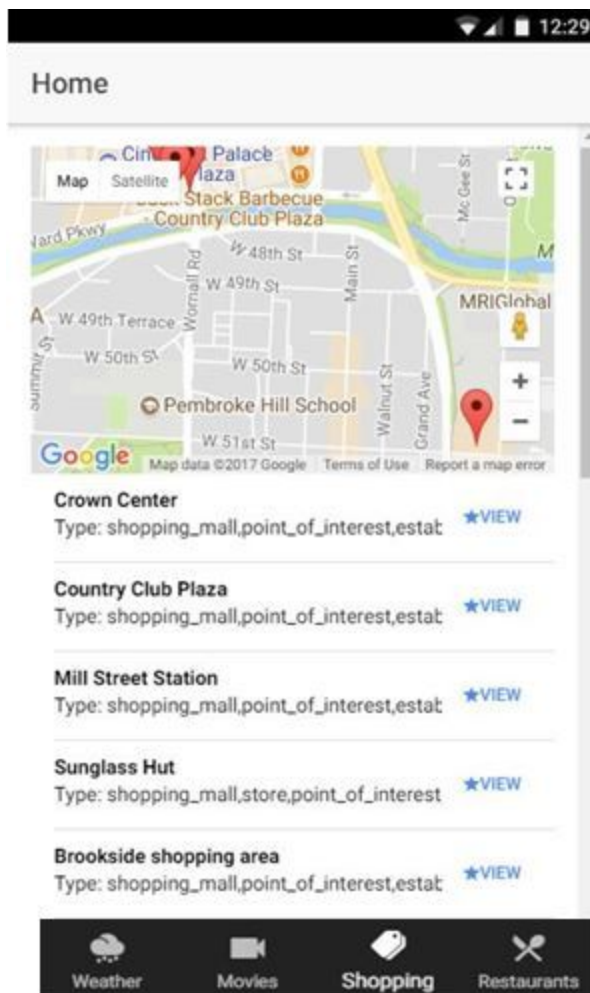
Facebook Web: After Login



Shopping Malls:

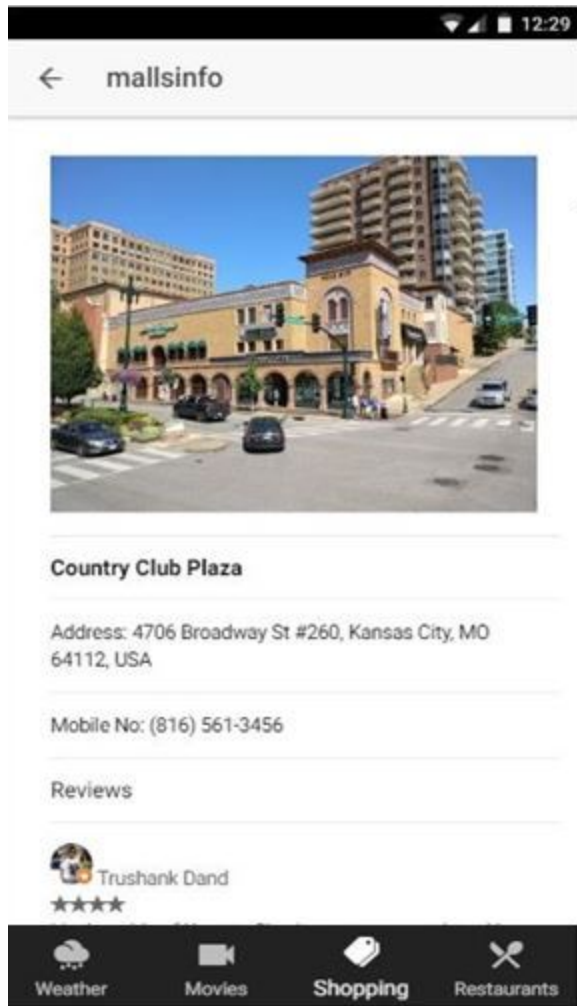
On clicking the shopping icon in the bottom tab, a user is navigated to the page where all the nearby shopping malls are listed down by fetching the current location of the user. In the top pane, the locations of the malls and the current user location are marked in google-map with markers.

The user can see the detailed information of each mall by clicking “view”.



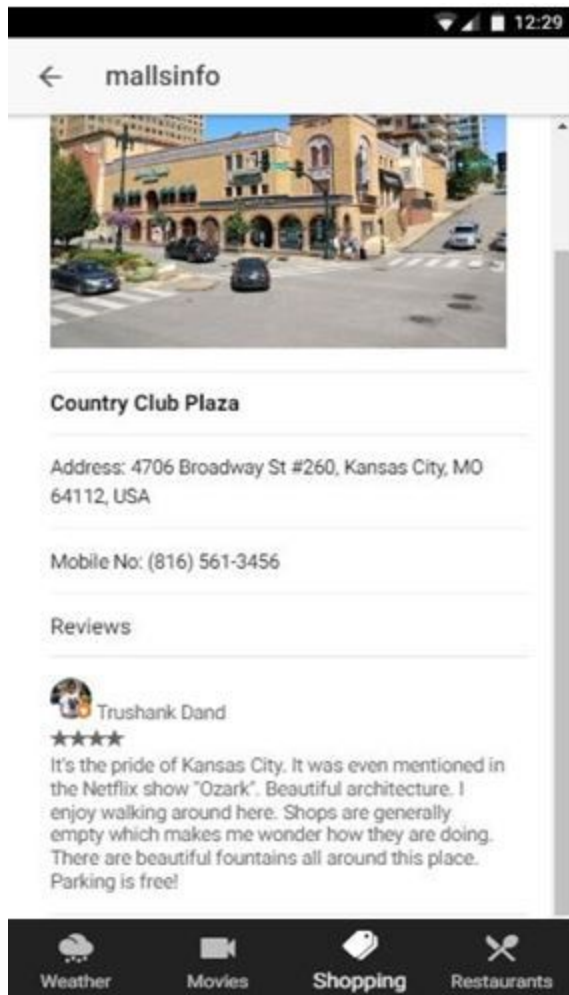
Malls Info Page:

On clicking view of a particular mall, the user is redirected to a page where the detailed information like image, address, mobile number and locality of the mall are shown.



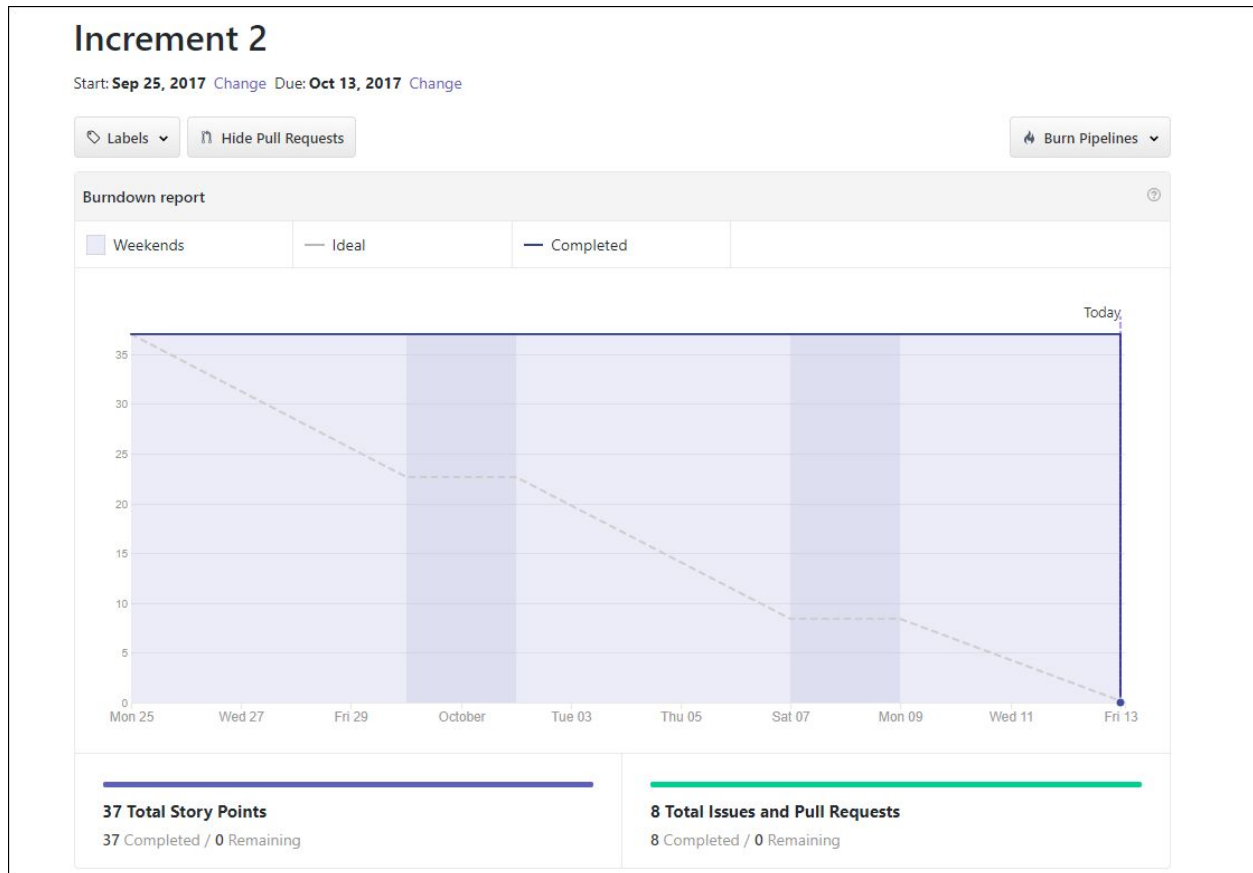
Get Detailed Reviews:

The user can also view the reviews of the shopping mall with the reviewer name, rating given and the comment he made regarding the shopping mall.



5. Project Management:

5.1 Burndown Chart:



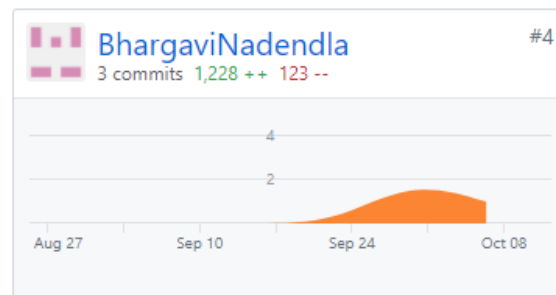
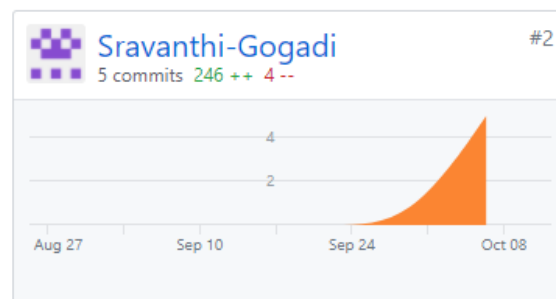
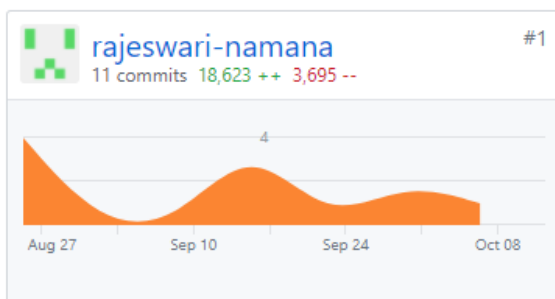
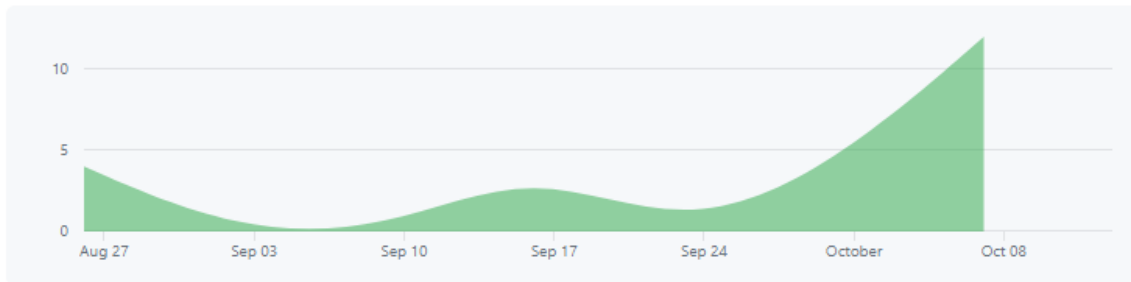
5.2 Contribution:

1. Namana Rajeswari Devi - 25%
2. Khushbu Shashikant Kolhe - 25%
3. Gogadi Sravanthi - 25%
4. Bhargavi Nadendla - 25%

Aug 27, 2017 – Oct 14, 2017

Contributions: Commits ▼

Contributions to master, excluding merge commits



5.3 Authors & Work Completed:

All the work for increment 2 has been completed by the team members.

1. **Rajeswari Devi Namana(ClassID: 29)** - Design of Login Page, Registration Page, implementation of Movies Page which is the introduction page to movies part, Movie Theatres Around Pages - displays the location of nearby theatres on a map, their names and rating, Movies Around Page - displays currently playing movies and their details. Creation of Zenhub issues, involved in integration and documentation.

2. **Khushbu Kolhe(ClassID: 20)** - Designing and Implementation of restaurant part and implemented facebook login. Displayed the list of restaurants in radius of 10km from the

current location. On click of every list item the restaurant details will be displayed. Implemented facebook login using cordova plugin. Involved in integration and documentation.

3. **Bhargavi Nadendla(ClassID: 27)** - Designed and implemented Weather page, Weather forecast page. Implemented Google login and Firebase Email/Password login. Involved in integration and documentation.

4. **Sravanthi Gogadi(ClassID: 15)** - Designed and implemented Shopping Module which displays the list of shopping malls along with the google maps with pointers. On clicking each item the user gets the details of the mall like address, mobile number and reviews. The reviews include author name, image and comment made by him. Involved in documentation and final integration.

6. Bibliography:

1. <https://ionicframework.com/docs/>
2. <https://www.themoviedb.org/documentation/api>
3. <https://openweathermap.org/api>
4. <https://developers.google.com/places/>
5. <https://opentable.herokuapp.com/>
6. <https://developers.facebook.com/docs/>
7. <https://developers.zomato.com/documentation>