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## FINAL PROJECT REPORT



**Team 4( Elite4)**

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**Khushbu Kolhe- 20**

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# Get On Wheels

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## 1. Introduction

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Get On Wheels is an application, which helps the user to find nearby restaurants, movie theatres and shopping malls, and helps in instantaneous planning, by providing the user with weather info for the day, a list of movies currently playing, food items available in restaurants etc. Also helps travelers as rating for searched locations will be provided and is flexible to use while driving as it reduces the typing time.

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## 2. Project Goals and objectives

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### 2.1 Overall Goals And Objectives:

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It is an app related to:

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1. Movies - where user can view the nearby movie theatres based on his/her location, see the movies list, their trailers, reviews, ratings, and book tickets through the link provided. Navigation is also provided.
2. Meals - User will come to know the nearby restaurants , their ratings, their menu and cost in their area. The user will get a list of restaurants or can search a one of his choice. He will also be shown directions to that restaurant.
3. Shopping - Here user will be allowed to see the nearby shopping malls to his/her location or can enter a new location. When clicked on a specific mall on the map, all the details like its website, address, phone, rating, hours, photos will be displayed.
4. Restaurant - Here user will be allowed to see the nearby restaurants his/her location. User can also filter the restaurants based on cuisines. When clicked on a specific restaurant all the details like its website, address, average cost, user rating. On the same page below that there is a map, on clicking the map user

5. sees the navigation from the current location to the restaurant. Below that reviews for the restaurants are also displayed.
- 

## 2.2 Significance and Specific Features :

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It is a single multi purpose app to avoid excess user typing time especially while driving. This app is useful in the following cases: When the user is driving and doesn't want to keep typing and searching for different places (even weather info for the day without typing the location will be displayed on the start screen). It's a perfect app for enjoying a whole day out (helpful for instantaneous planning). Useful when travelling to new places.

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## 3. Project Plan

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### 3.1 Schedule for the four different increments

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Project is completed in four increments, the schedules are shown in the below screenshot:

This screenshot shows the GitHub repository page for 'rajeswari-namana / Get-On-Wheels-Project'. The top navigation bar includes links for Pull requests, Issues, Marketplace, Explore, ToDo, Watch (0), Star (0), Fork (0), and a New milestone button. Below the navigation, there are tabs for Code, Issues (10), Pull requests (0), Boards, Reports, Projects (1), Wiki, and Insights. The 'Milestones' tab is selected. A summary indicates 4 Open and 0 Closed issues. The milestones listed are:

- Increment 1**: Due by September 22, 2017, Last updated 2 minutes ago. Progress: 33% complete (10 open, 5 closed). Actions: Edit, Close, Delete.
- Increment 4**: Due by December 7, 2017, Last updated about 9 hours ago. Progress: 0% complete (0 open, 0 closed). Actions: Edit, Close, Delete.
- Increment 3**: Due by November 15, 2017, Last updated about 9 hours ago. Progress: 0% complete (0 open, 0 closed). Actions: Edit, Close, Delete.
- Increment 2**: Due by October 13, 2017, Last updated about 9 hours ago. Progress: 0% complete (0 open, 0 closed). Actions: Edit, Close, Delete.

## 3.2 Members:

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

## 4 Implementation

Our app will make use of the following APIs:

1. Google Maps API - for displaying maps
2. Open Weather Map API - for weather information
3. Gracenote Developer Video+Sports API - for movies information
4. TMDB API - for movies information
5. Google Places API - for shopping malls information

6. Zomato API - for restaurants and food information
  7. Opentable API - for restaurants and food information
  8. Sqoot API - to get the nearby details available.
- 

## 4.1 Detail Design of Features

### 4.1.1 Logo Design:

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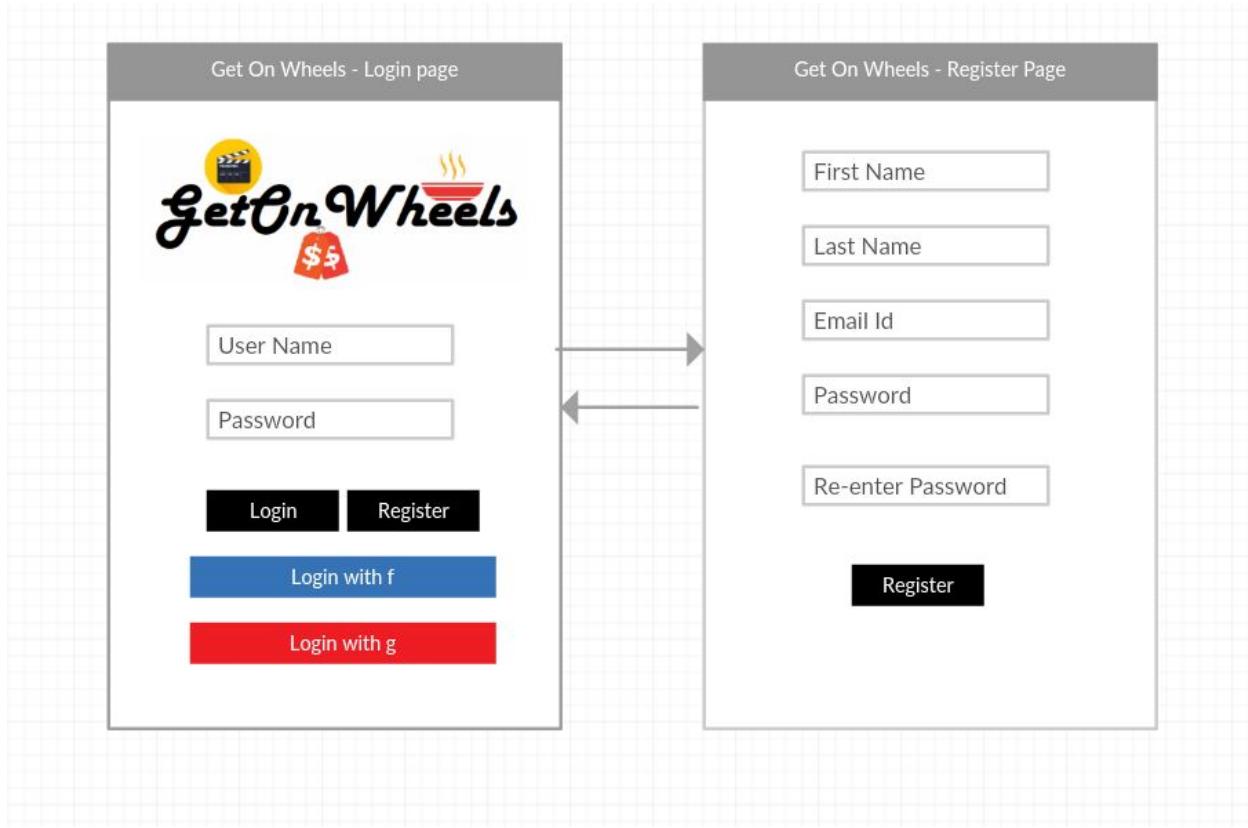
---

### 4.1.2 Mockup Using Creately tool:

#### Screen 1 (Login & Registration Pages)

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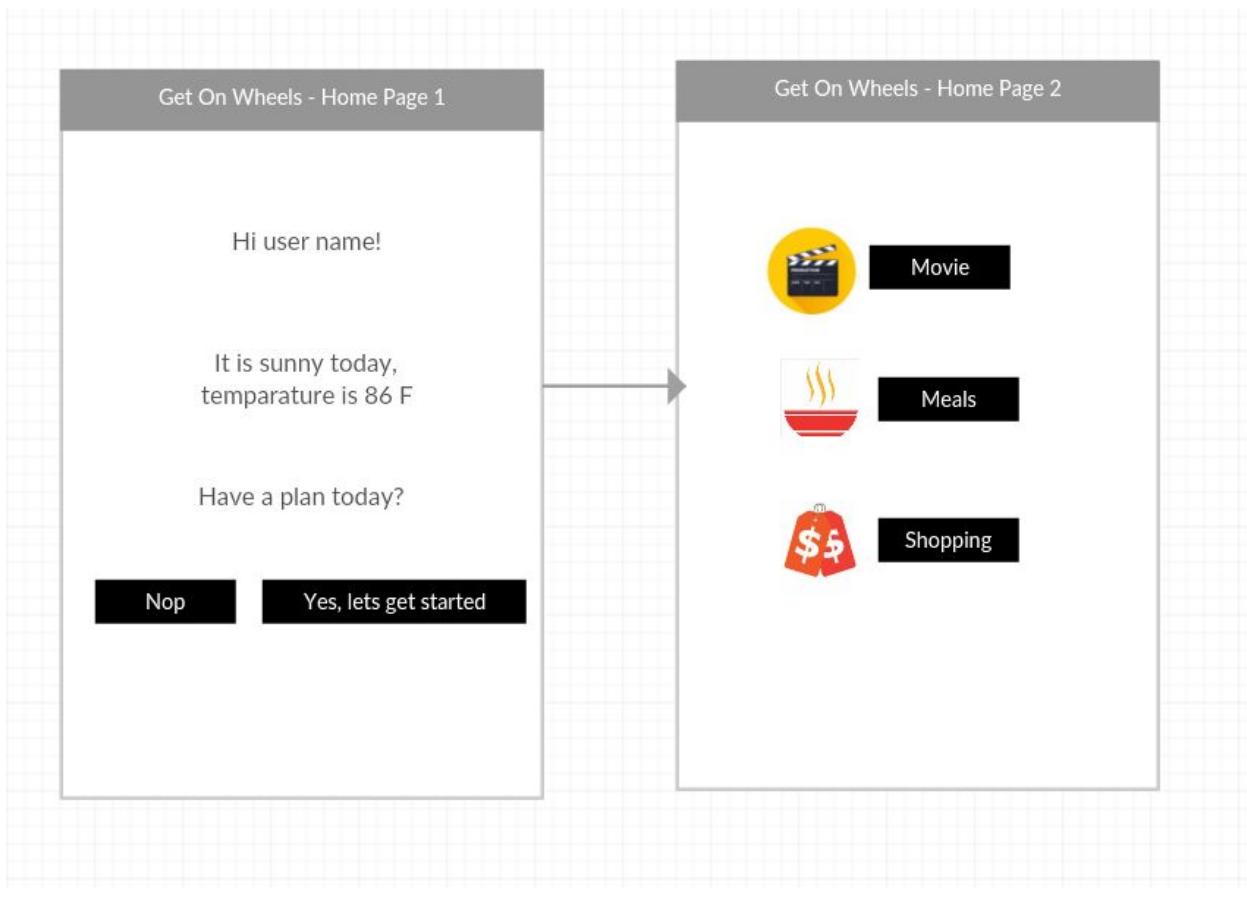
The user will be able to login or sign up using either his/her username, facebook or google account.



## Screen 2, 3 (Weather Info & Home Pages)

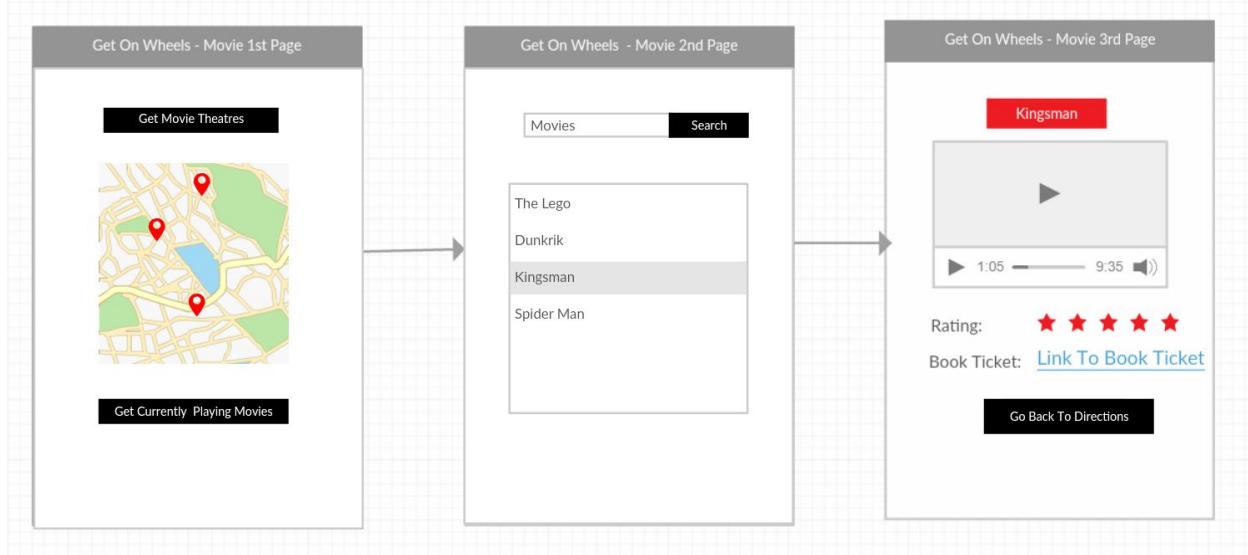
After user logins, the person will be greeted with the name which was entered for login, then below that - the weather information for the day will be displayed based on the location of the user and a question will be asked - "Have a plan for the day?" - Displaying two options 1)"NOP" and 2)"YEP, let's get started". If 1st option is chosen the app replies "okay, have a great time, see you later!" and the app gets closed. For 2nd option, we get navigated to screen 3. List of three options will be displayed: 1)Movie 2)Meals 3)Shopping. Based on the selection the screen will be navigated to

the corresponding fourth screen.



## Screen 4, 5, 6 (for Movies)

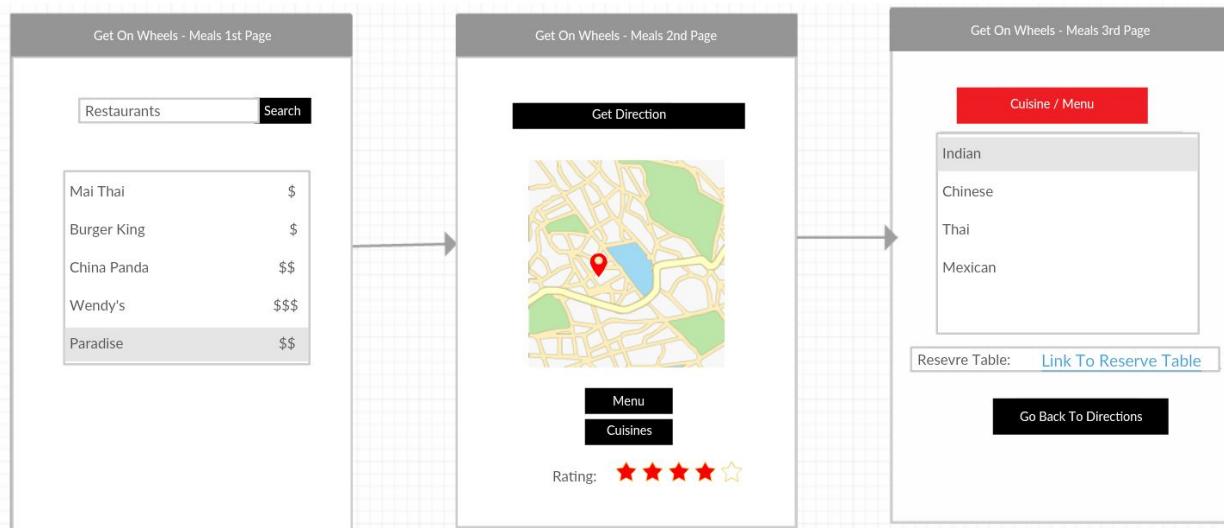
In screen 4 based on user location, when the user clicks on “Get Movie Theatres” button, movie theatres will be populated on the existing map. Instead if user clicks on “Get Currently Playing Movies”, a list of currently playing movies will be displayed in screen 5. On selecting a movie, its trailer, rating and link to book tickets will be displayed on the 6th screen and there is also a button to go back to the directions of theatre.



## Screen 4, 5, 6 (for Meals)

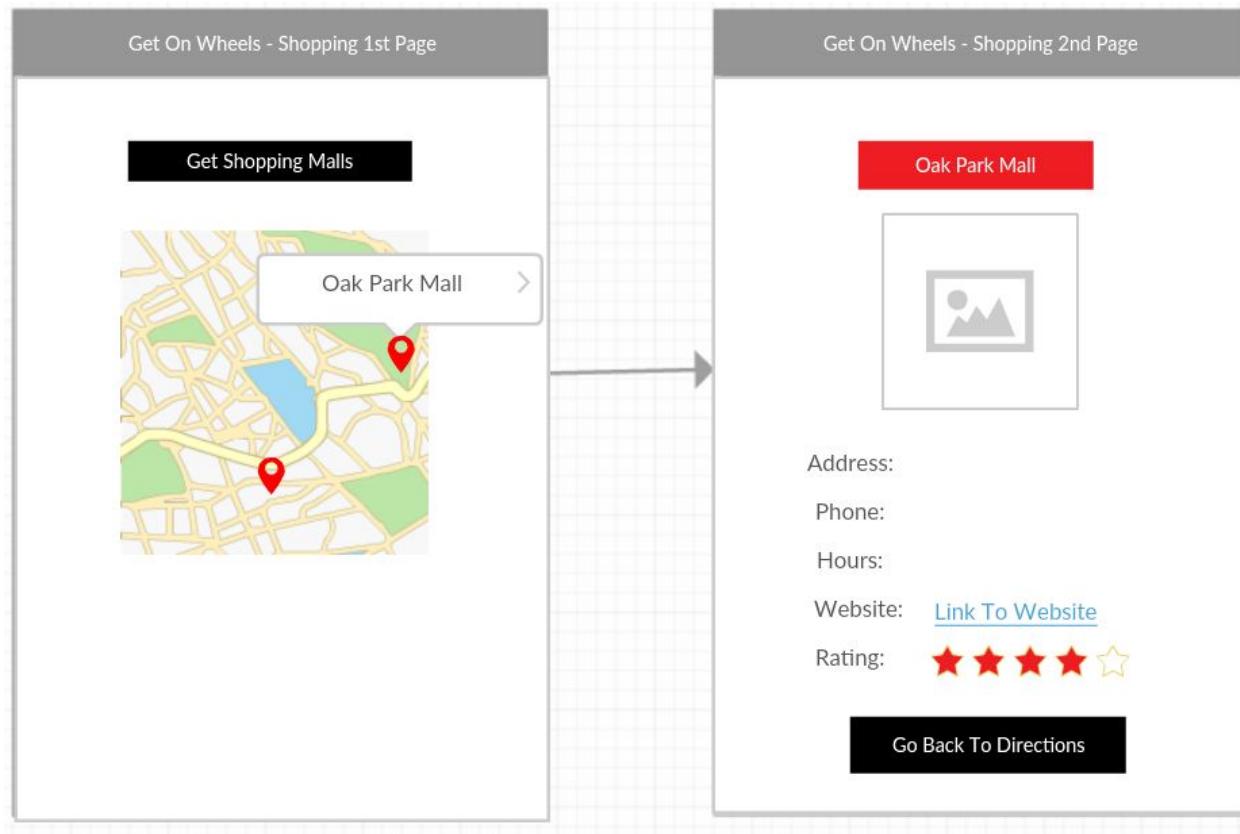
On selection of restaurants user will be directed to the page containing list of restaurants in that area. For each restaurant its cost variation will also be given. A search is also provided on the same page if user wish to search his favourite restaurant. On clicking on any of the restaurant, user will be navigated to page 5 which contains map and below that have options to select “Menu”, “Cuisines”, “View Ratings”. The map will show the directions from his current location to the restaurant. On clicking on “Menu” or “ Cuisines” he will be directed to page 6 displaying the

respective information.



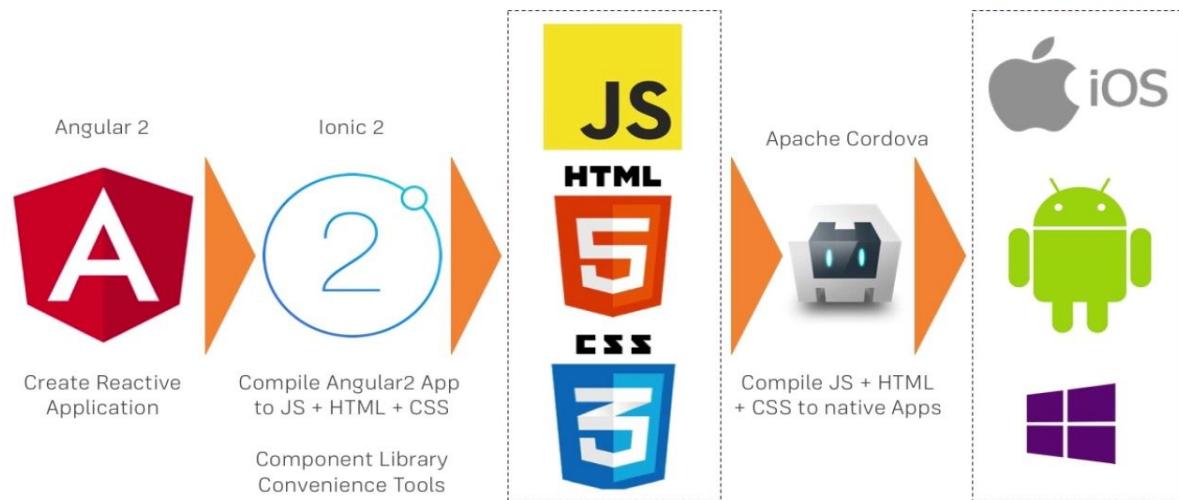
## Screen 4,5 (for Shopping)

On selection of third option Shopping, the user will have a button “Get Shopping Malls”, by clicking it all the shopping places near to the customer will be displayed on the map. If shopping area is selected, its details like address, phone, hours, website, rating will be displayed on the next screen. And a button to go back to directions will be present.



### 4.1.3 Architecture diagram:

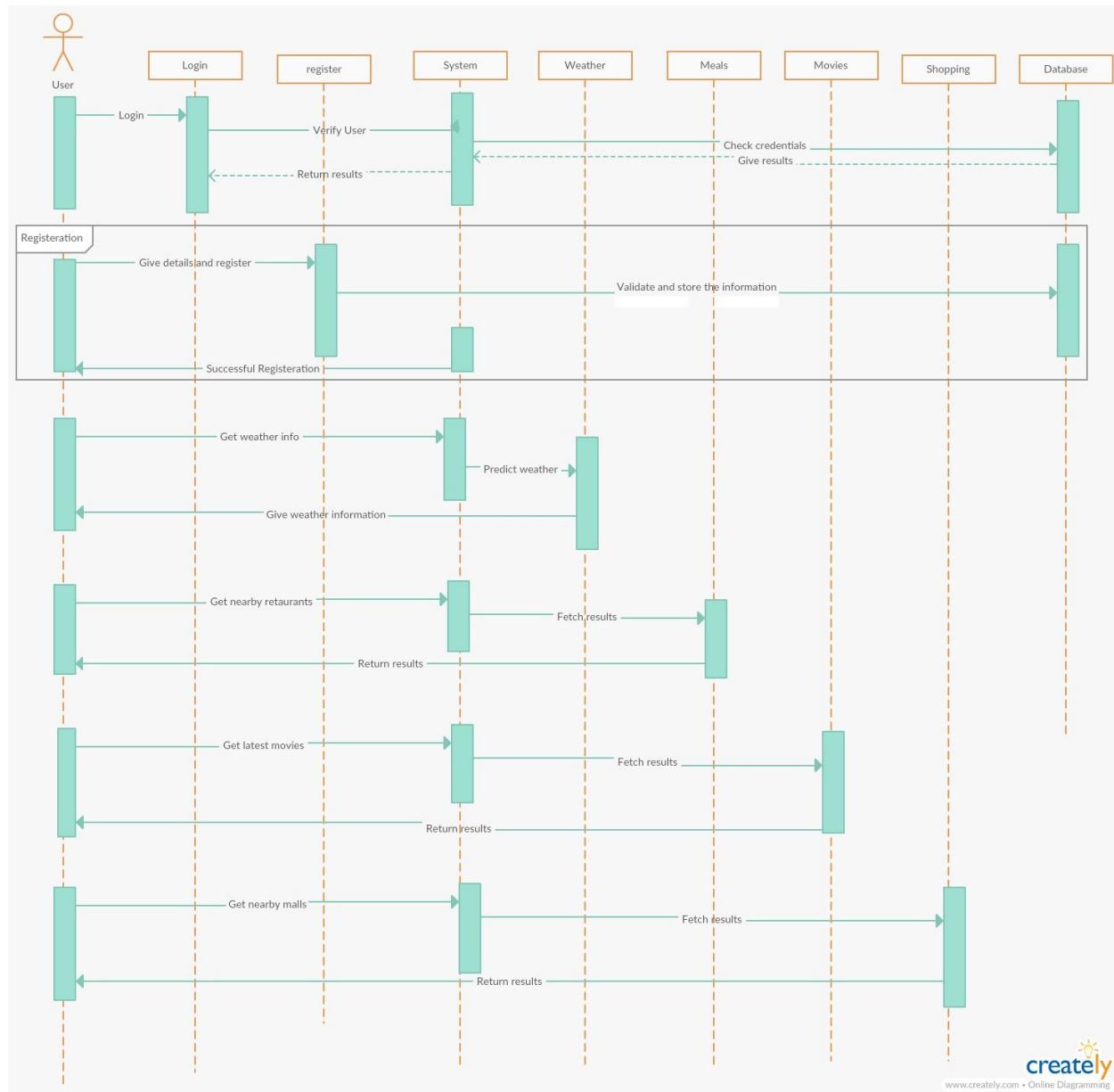
Used Ionic 2 application using angular 2. The architecture diagram of ionic 2 is as follows:



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#### 4.1.4 Sequence diagram:

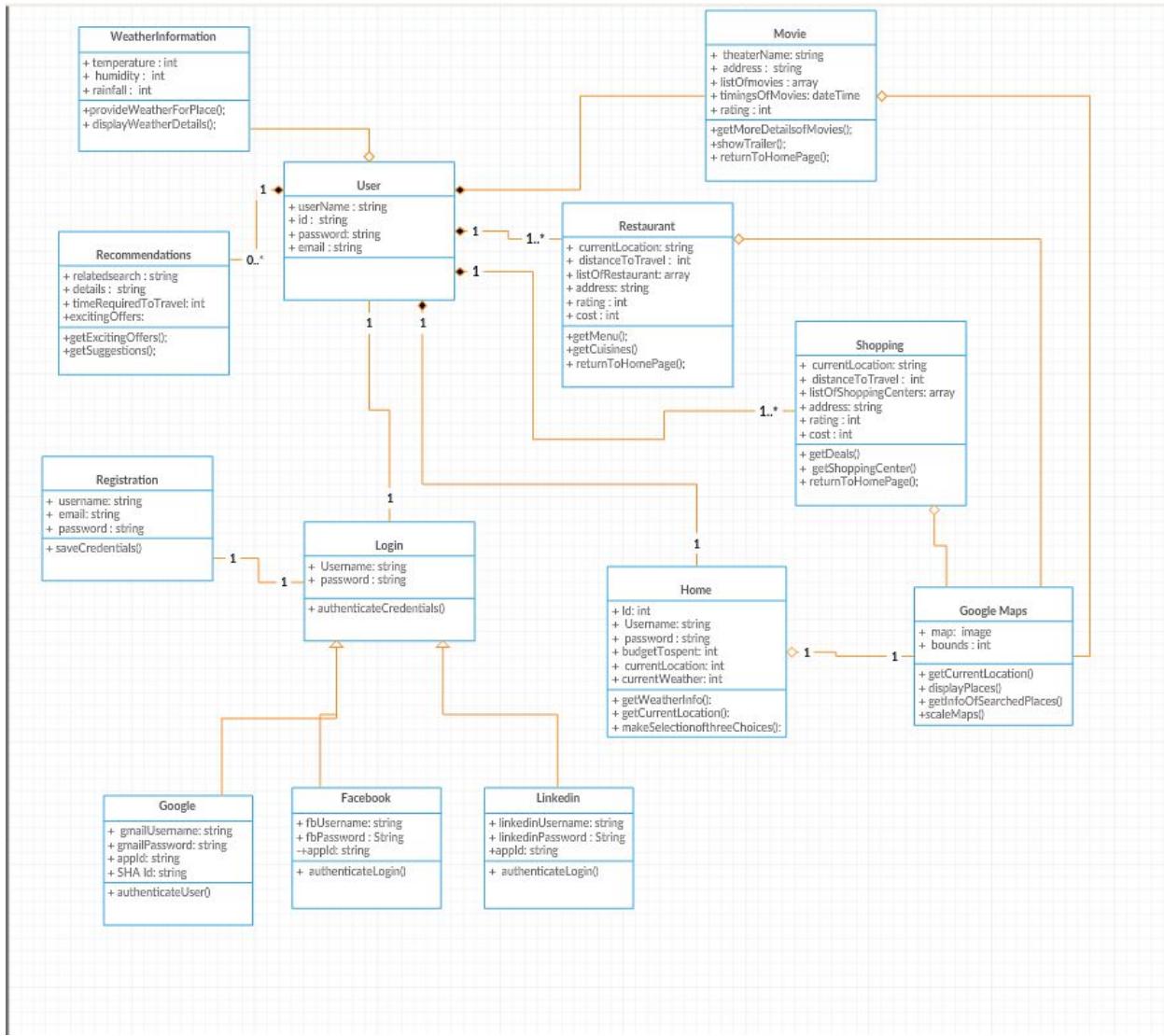
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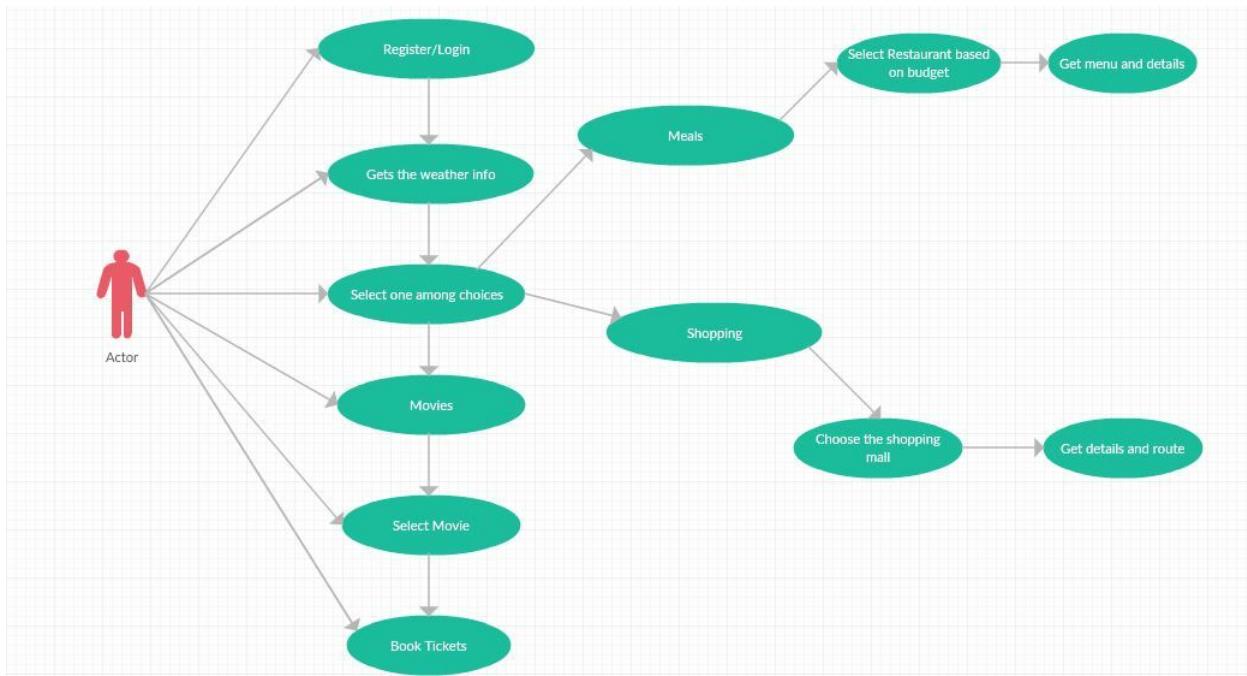
#### 4.1.5 Class diagram:

The user is associated with home, restaurant, movie and shopping class. The user can register and login or can login using Facebook, twitter. Google maps are widely used in the app and are associated with restaurant , shopping and movie class. They will tell the current location and address of a particular location. Weather Info class will

display weather conditions at a users current locations. Recommendations class will recommend user of any events in that area.



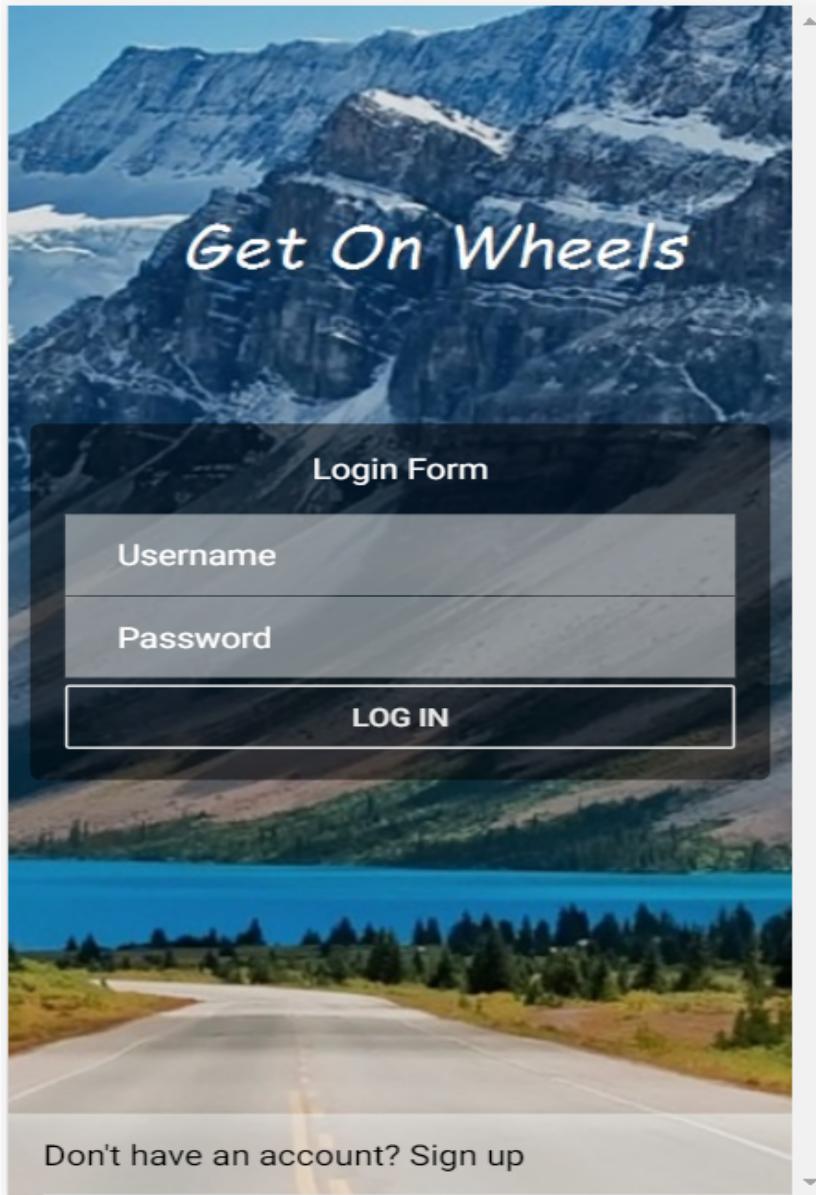
## 4.1.6 Usecase Diagram:

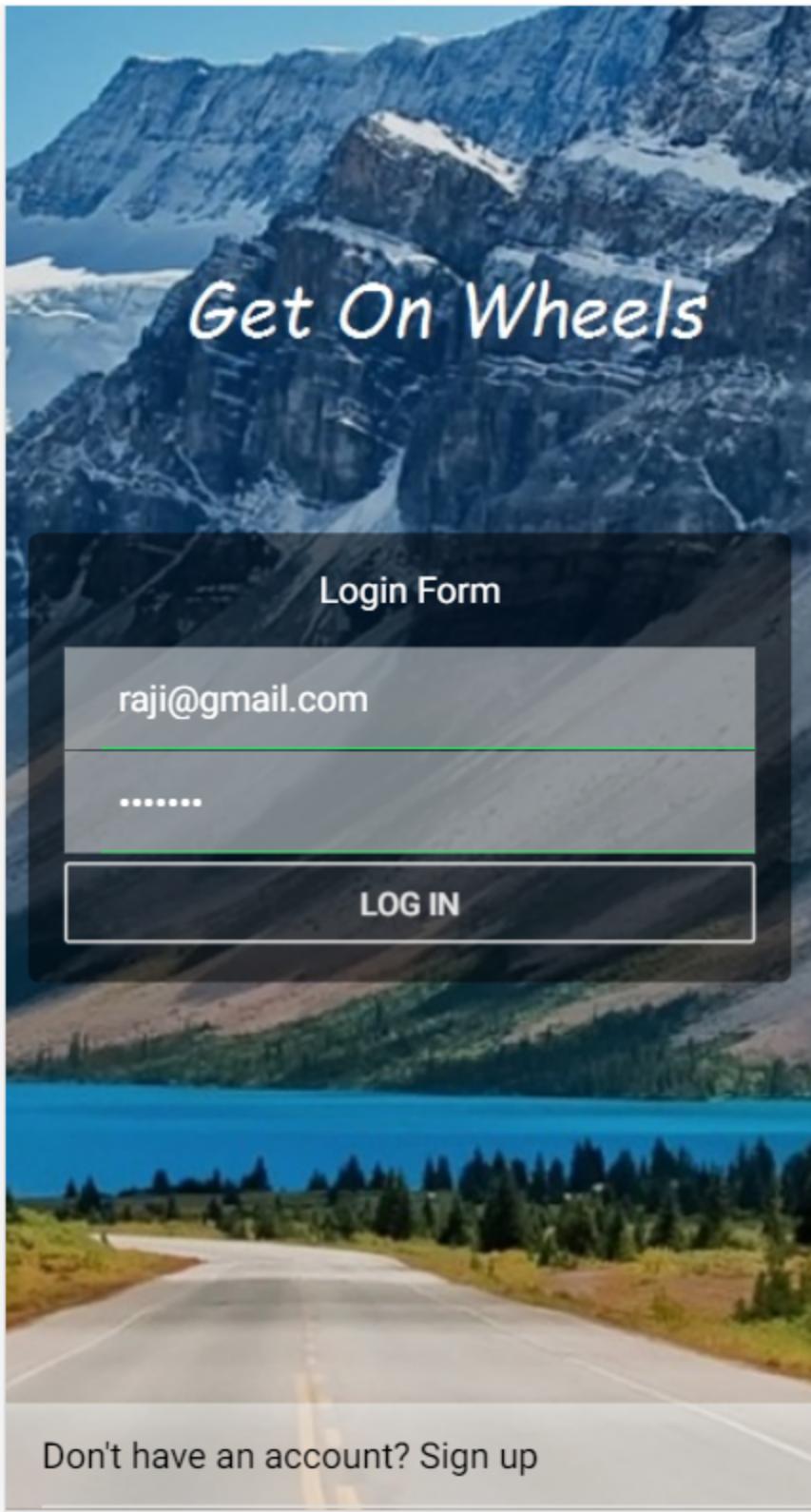


## 4.2 Deployment:

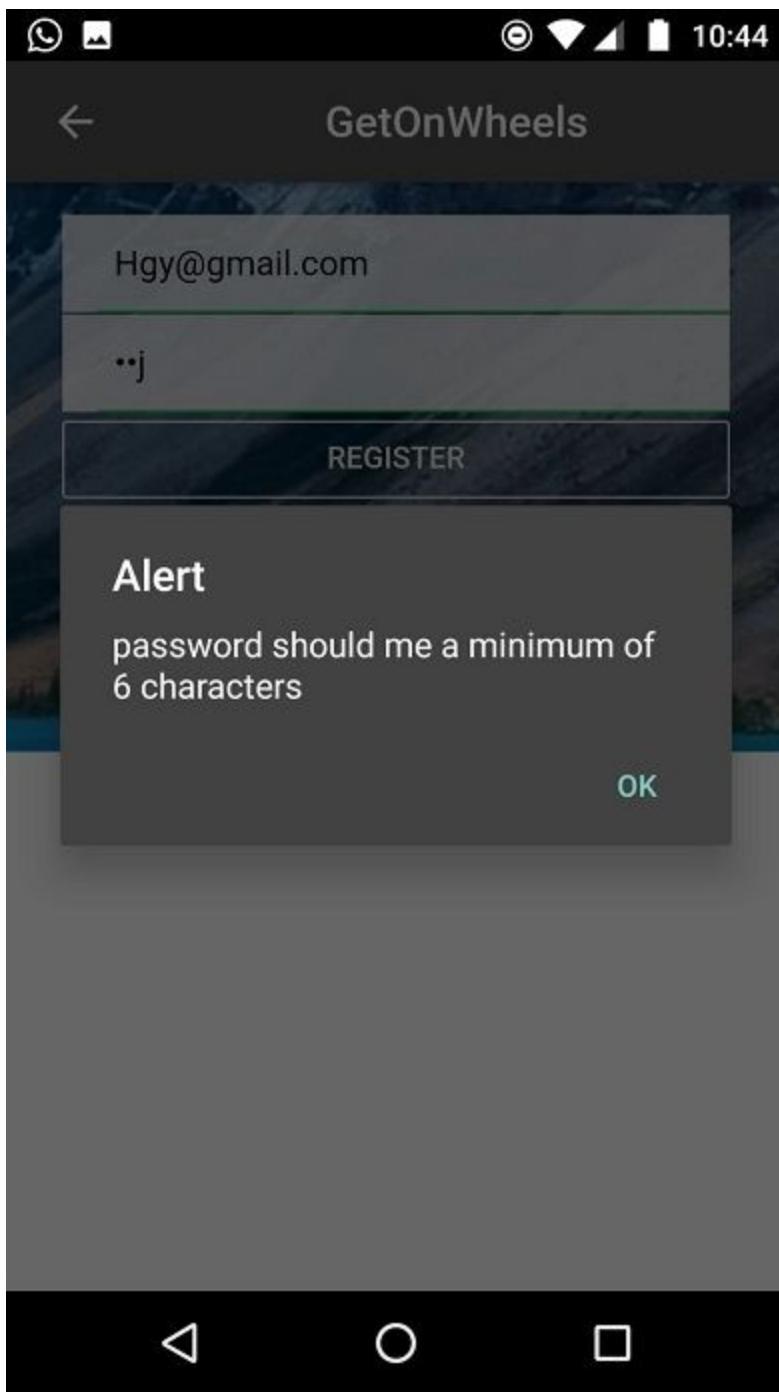
### Login Page:

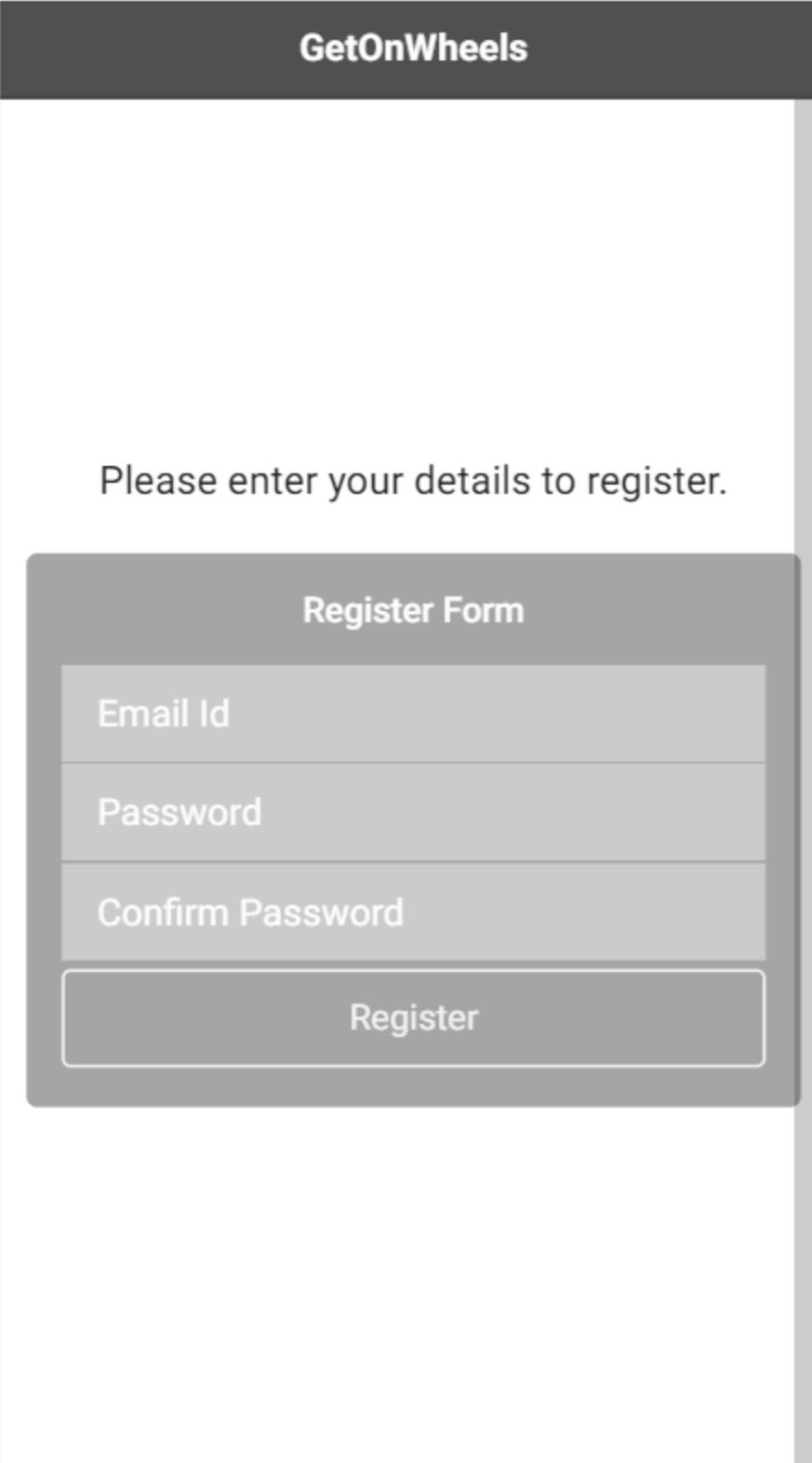
When GetOnWheels app is opened the user sees the following login page. Where existing user can login and new user can sign-up.





## According validations:



**Registration Page:**

The image shows a registration page for a service named "GetOnWheels". At the top, there is a dark header bar with the service name "GetOnWheels" in white. Below the header, a large, light gray rectangular area contains the text "Please enter your details to register." In the center of this area is a "Register Form" button. The form itself is a dark gray rectangle containing three input fields: "Email Id", "Password", and "Confirm Password", each with a corresponding input field below it. At the bottom of the form is a large, light gray "Register" button.

**GetOnWheels**

Please enter your details to register.

**Register Form**

Email Id

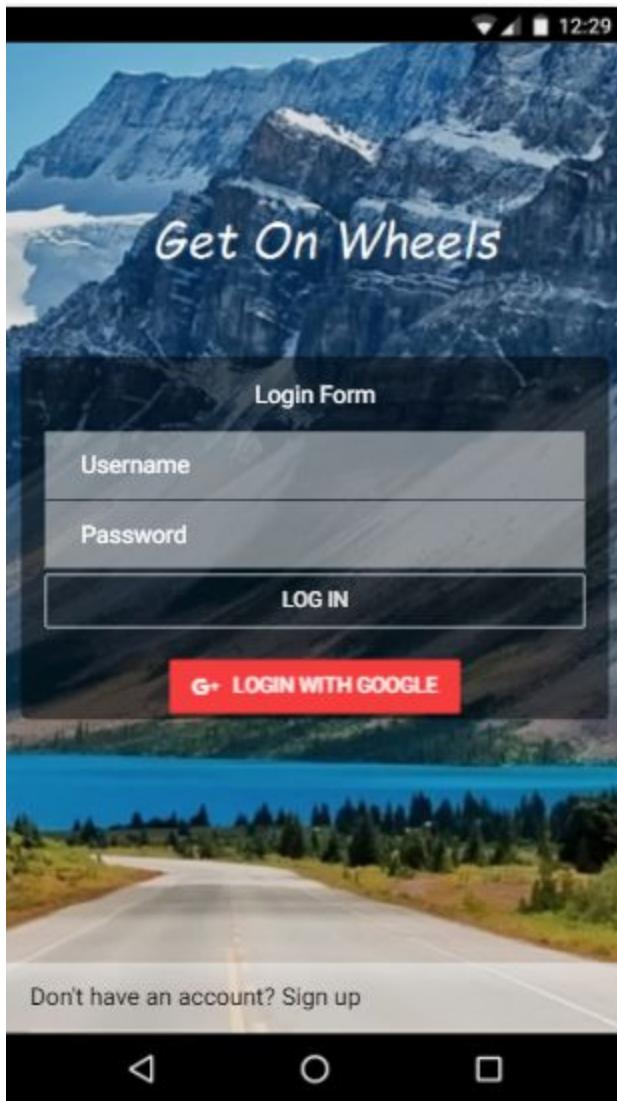
Password

Confirm Password

Register

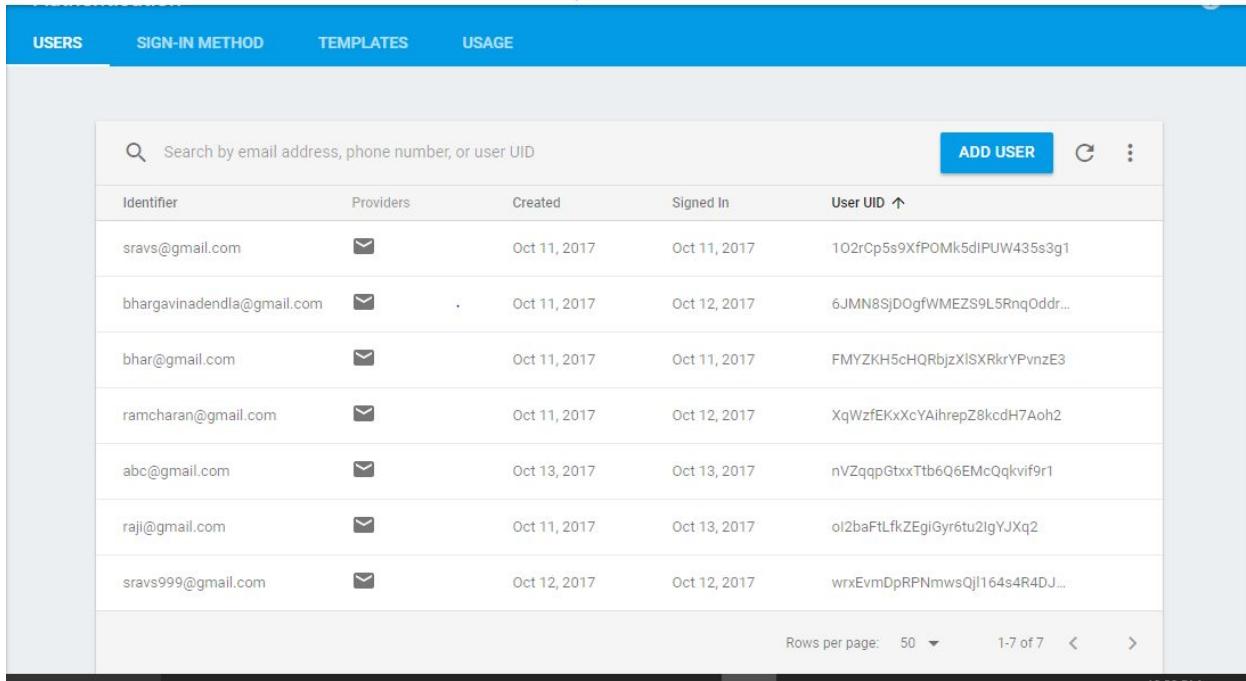
## Gmail Login:

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.



## Firebase login:

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



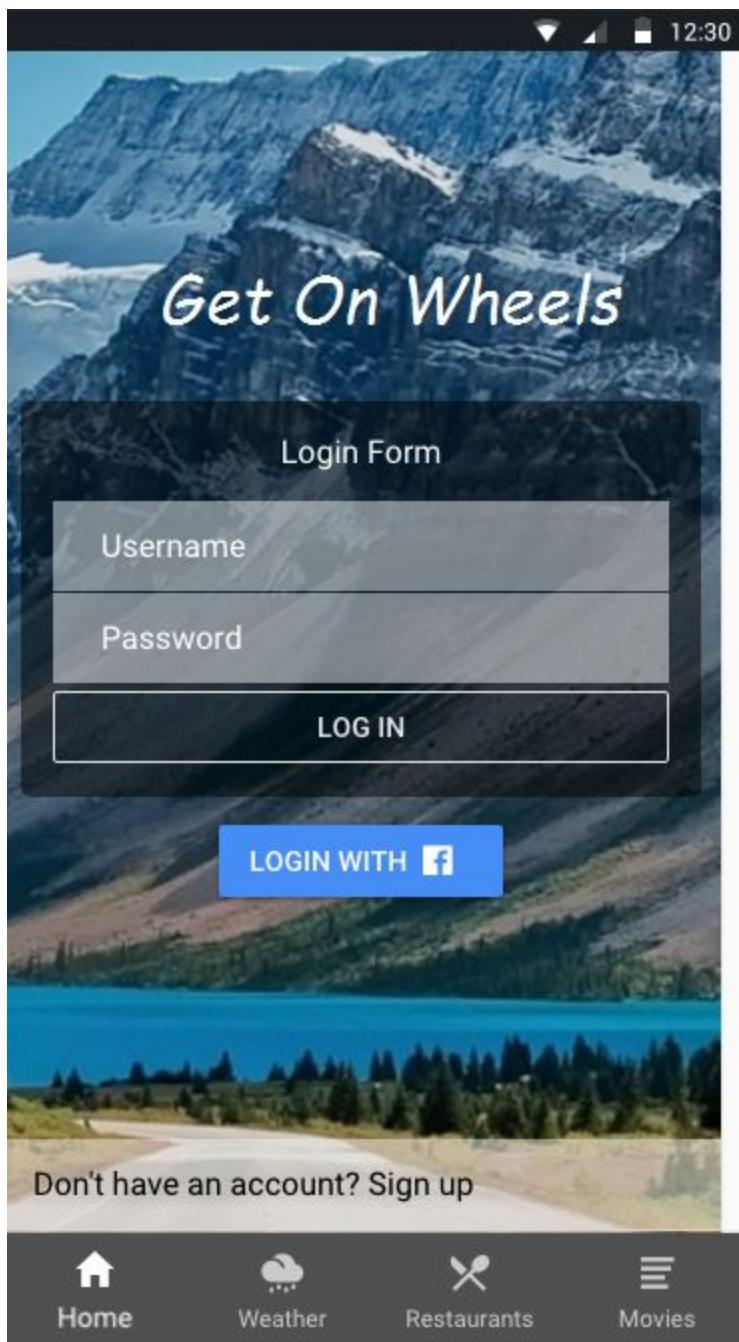
The screenshot shows the Firebase console's 'Users' section. At the top, there are tabs for 'USERS', 'SIGN-IN METHOD', 'TEMPLATES', and 'USAGE'. Below the tabs is a search bar with placeholder text 'Search by email address, phone number, or user UID'. To the right of the search bar are buttons for 'ADD USER', a refresh icon, and a more options icon. The main area displays a table of user data with the following columns: Identifier, Providers, Created, Signed In, and User UID. The data rows are as follows:

| Identifier                | Providers | Created      | Signed In    | User UID                      |
|---------------------------|-----------|--------------|--------------|-------------------------------|
| sravs@gmail.com           | ✉         | Oct 11, 2017 | Oct 11, 2017 | 102rCp5s9XfPOMk5dIPUW435s3g1  |
| bhargavinadenda@gmail.com | ✉         | Oct 11, 2017 | Oct 12, 2017 | 6JMN8SJDOgfWMEZS9L5RnqOdr...  |
| bhar@gmail.com            | ✉         | Oct 11, 2017 | Oct 11, 2017 | FMYZKH5cHQRbjzXISXRkrYPvnzE3  |
| ramcharan@gmail.com       | ✉         | Oct 11, 2017 | Oct 12, 2017 | XqWzfEKxXcYAhrepZ8kcdH7Aoh2   |
| abc@gmail.com             | ✉         | Oct 13, 2017 | Oct 13, 2017 | nVZqqpGtxTtb6Q6EMcQqkvif9r1   |
| raji@gmail.com            | ✉         | Oct 11, 2017 | Oct 13, 2017 | oI2baFtLfkZEgiGyr6tu2lgYJXq2  |
| sravs999@gmail.com        | ✉         | Oct 12, 2017 | Oct 12, 2017 | wrxEvmDpRPNmwsQjl164s4R4DJ... |

At the bottom right of the table, there are pagination controls: 'Rows per page: 50', '1-7 of 7', and navigation arrows.

## **Facebook Login Page:**

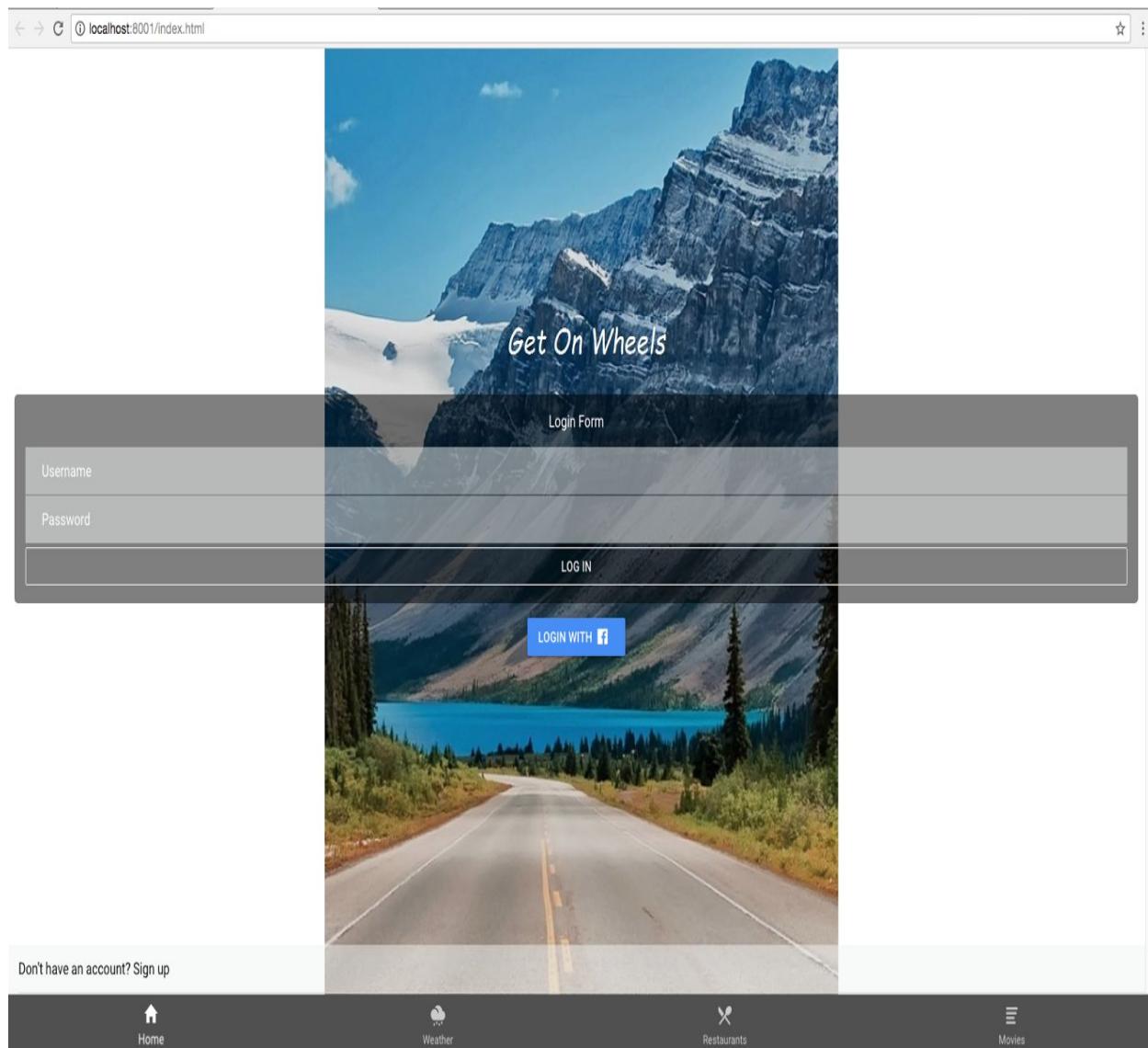
Updated Home page with Facebook Login using cordova plugin.



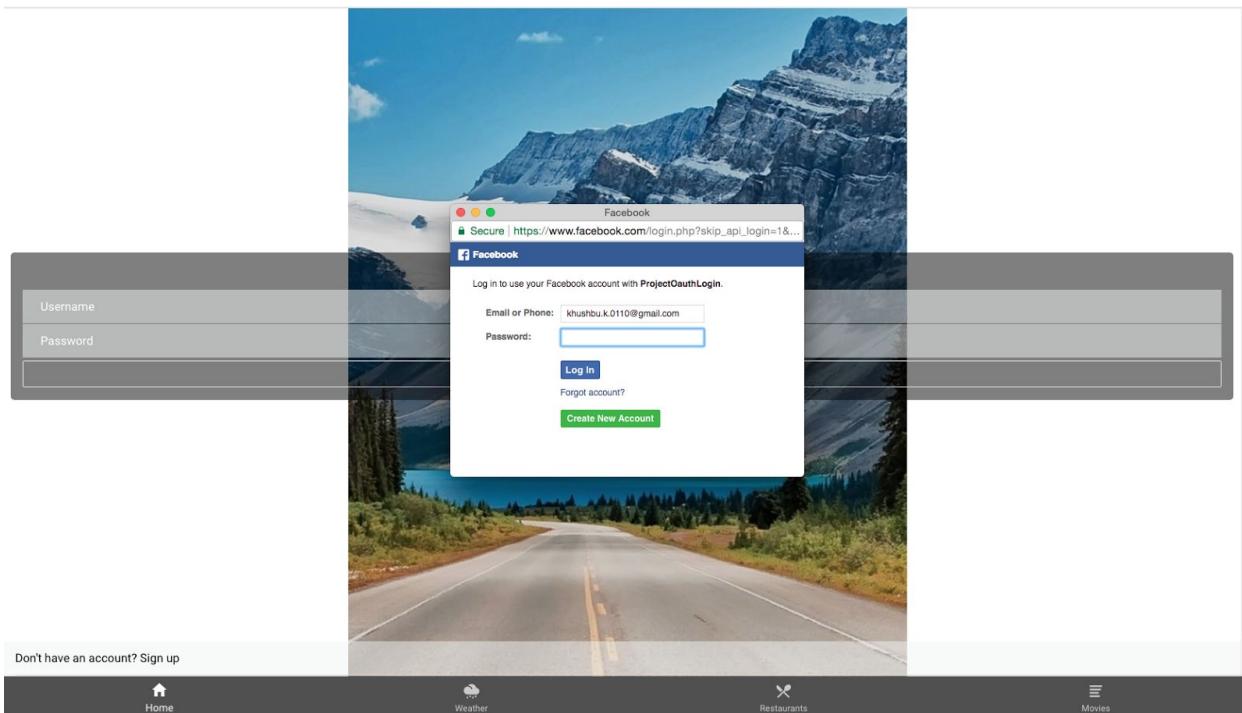
## Facebook Web:

Ionic serve doesn't support cordova browser plugins .

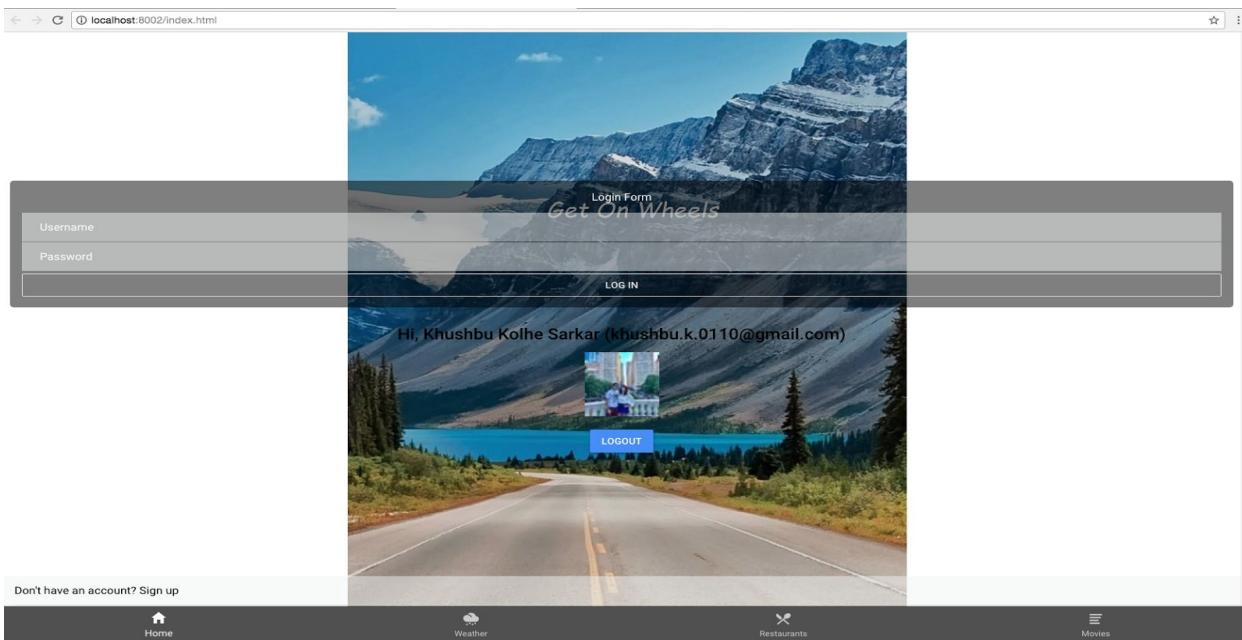
Refer <https://github.com/ionic-team/ionic-cli/issues/354> . Therefore either run it on a hardware device or by executing the command \$ ionic cordova run browser.



**Facebook Web: On clicking login**



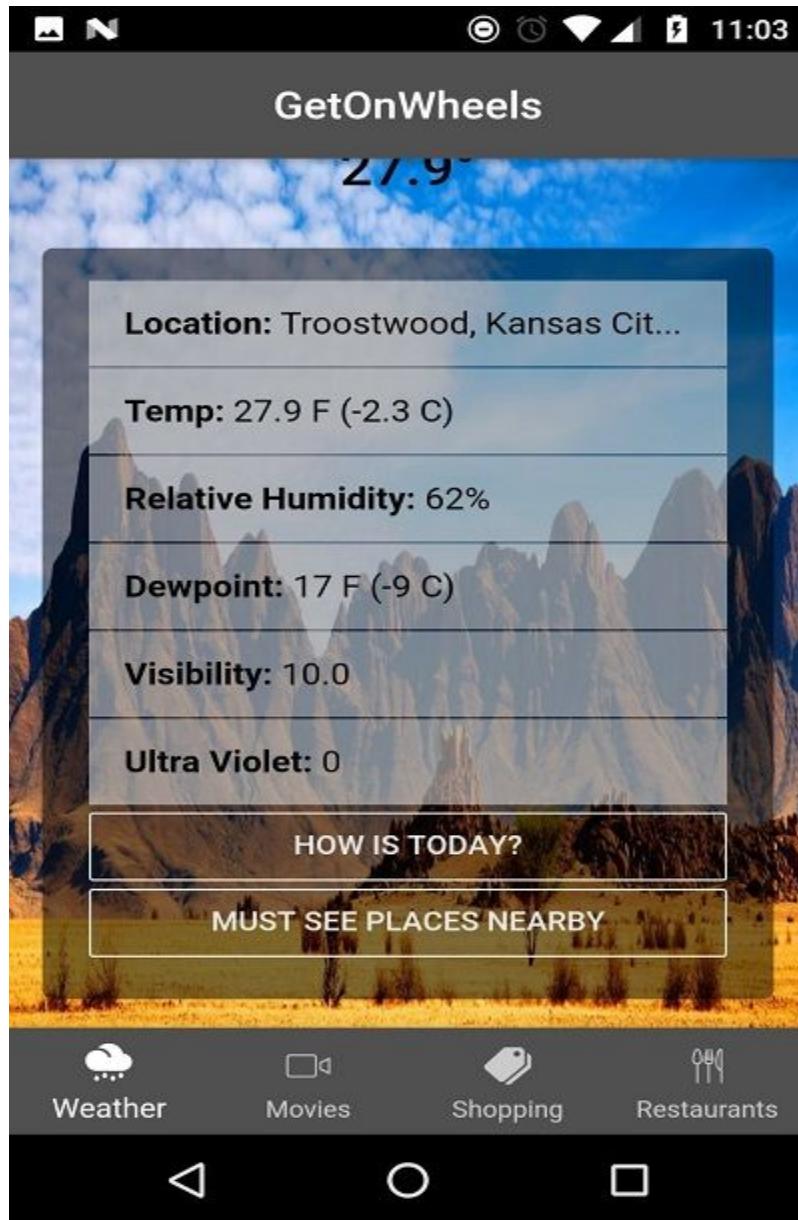
## Facebook Web: After Login



## Weather page:

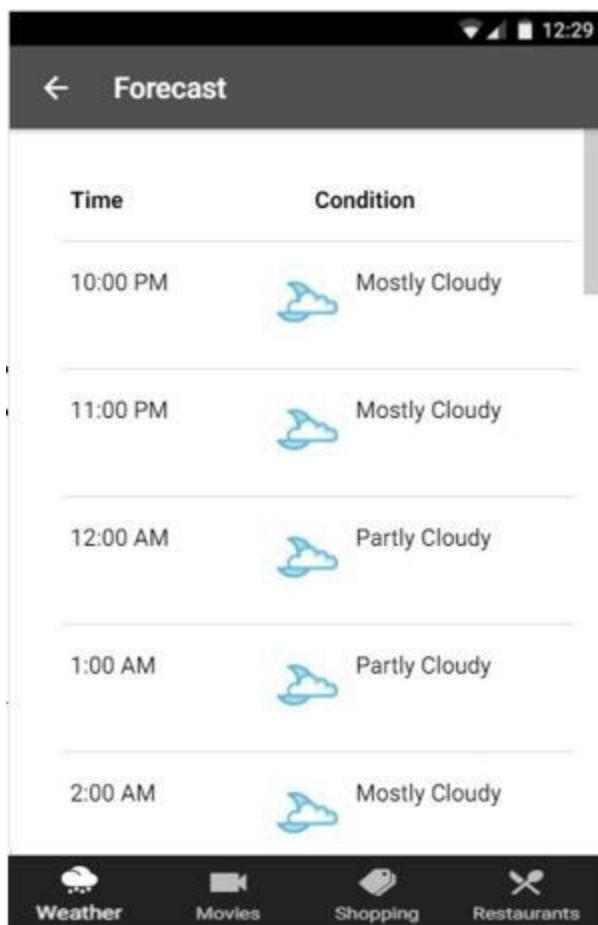
A successful login leads to the below page which gives the current weather information of the user's location. By fetching the user's geo-location and making a call to "Wunderground" weather api, it displays the current condition of the weather, temperature and some parameters related to the weather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



## **"Must see places nearby"**

Included an add-on to weather i.e., must see places nearby by fetching all types of visiting places like Arts&Entertainment, Museum, National Park, Water Park and many such recreational places by fetching the geolocation of the user. On clicking each place, another

page with detailed information of that particular page shows up like photos, description, opening hours etc.,



On clicking the must see places nearby, it redirects to

Mustsee

---

 Kansas City Repertory Th...

---

 The National Museum of ...

---

 Nelson-Atkins Museum of...

---

 Kemper Museum of Conte...

---

 Tivoli Cinemas

---

 Weather

 Movies

 Shopping

 Restaurants

Mustsee

---

 Helzberg Penguin Plaza

---

 The Levee Bar & Grill

---

 Bloch Building

---

 Ernie Biggs Chicago Style ...

---

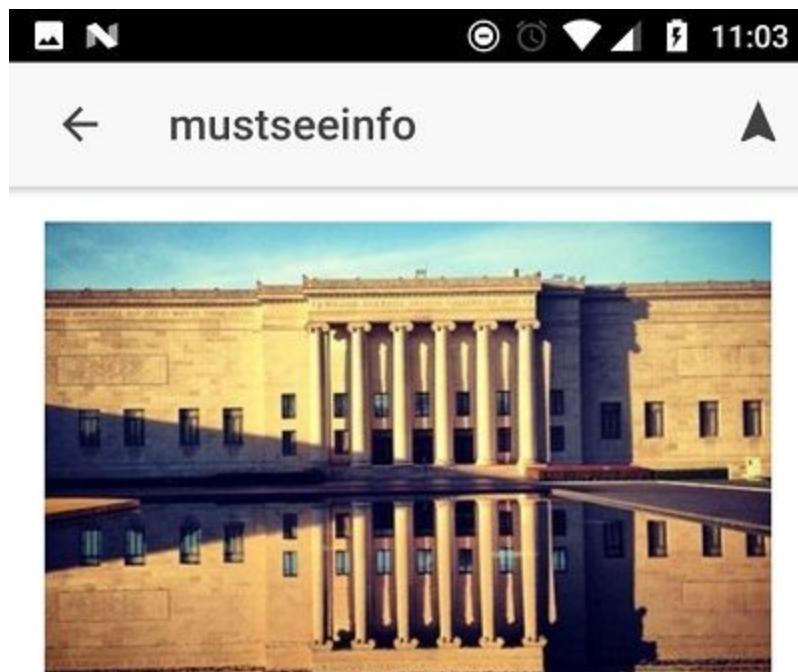
 H&R Block Art Space

---

 Weather       Movies       Shopping       Restaurants

◀ ○ □

On clicking a place, it redirects to a detailed information



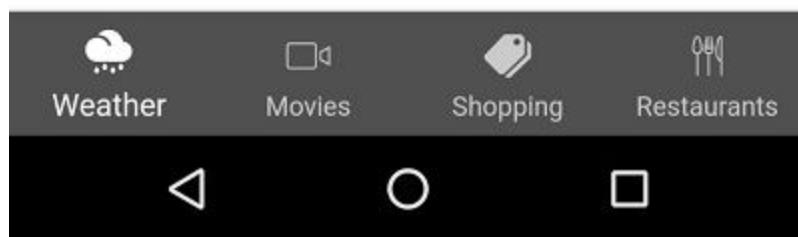
### Nelson-Atkins Museum of Art

**Address:** 4525 Oak St, at E 45th St, 64111,  
Kansas City, MO, United States

**Phone** (816) 751-1278

**Rating** 9.5

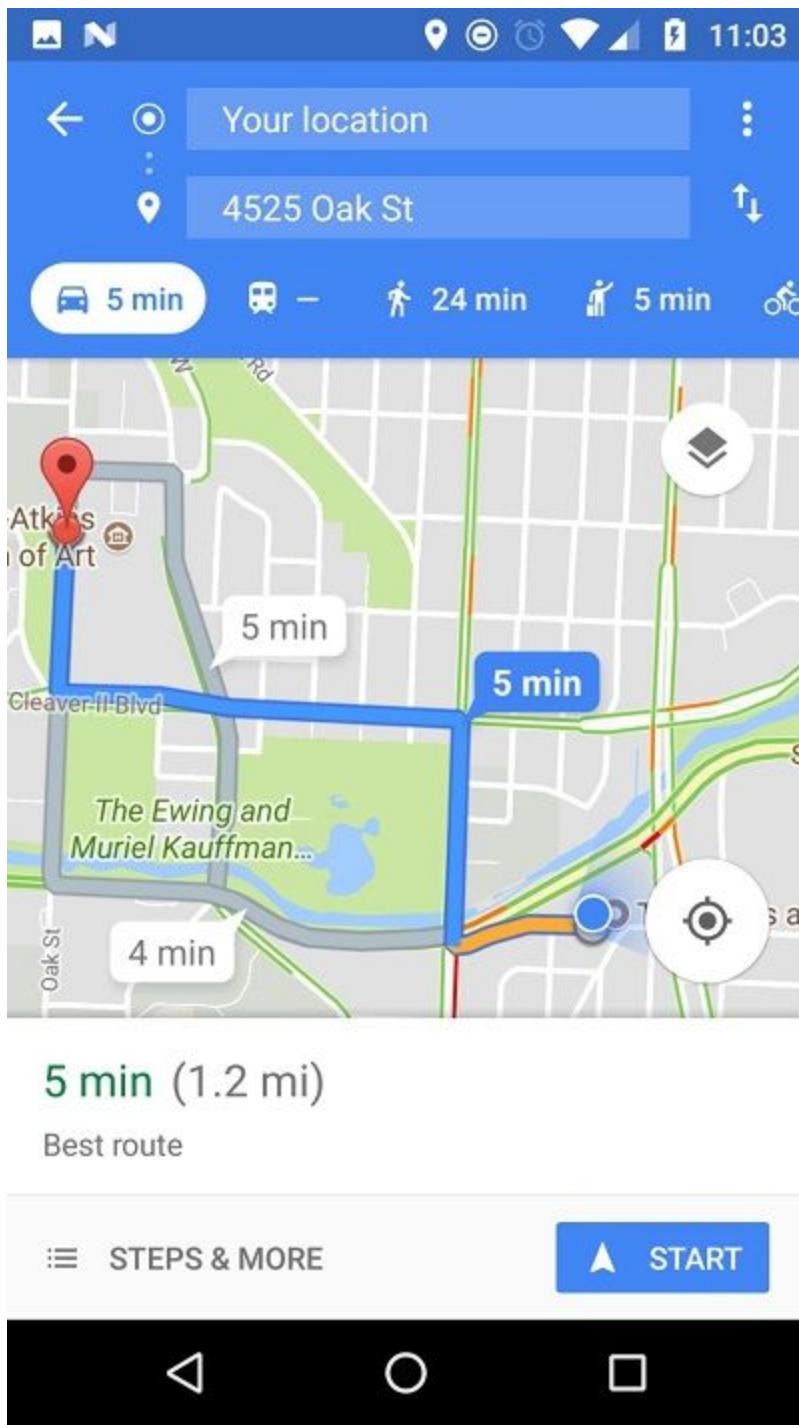
**Open now??** False



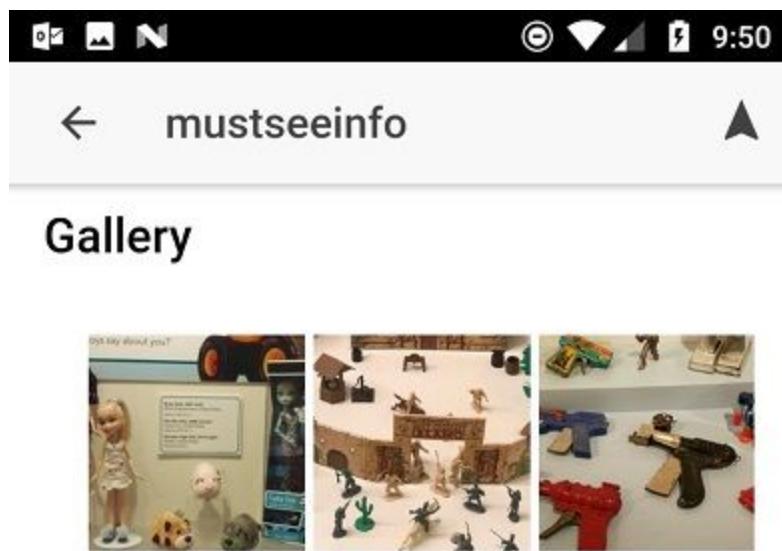
### Google Map Navigation

Redirected to Google Map navigation by fetching the geolocation and the selected place with all the routing options available to the user.

It takes to the map on clicking the navigate button



## Gallery of a particular place:



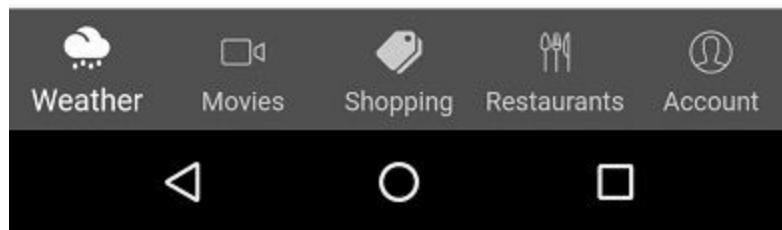
### **The National Museum of Toys and Miniatures**

**Address:** 5235 Oak St, at E 52nd St, 64112, Kansas City, MO, United States

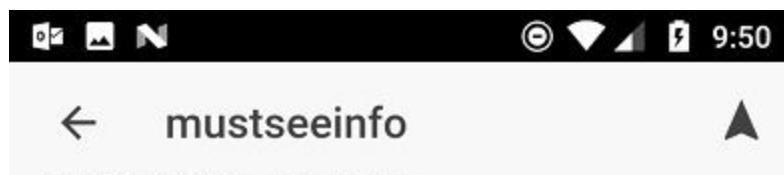
**Phone** (816) 235-8000

**Rating** 8.9

### **Reviews**



## Reviews of a particular place:



## Reviews



### The National Museum of Toys a...

The museum reopens tomorrow, August 1. And admission is only \$5 for ages 5 and up!



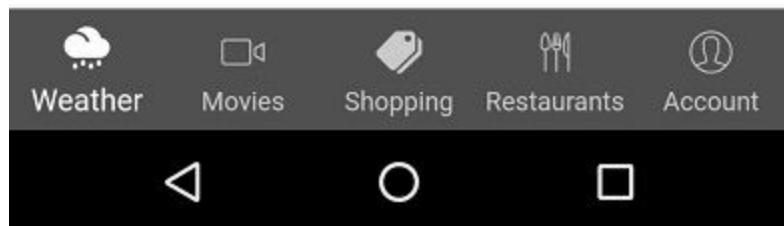
### Jeffery Geer

Love the new exhibits



### Danielle Gatapia

Great museum for all ages. Big, bright, and nostalgic. You'll gain a whole new respect for miniatures.



**Movies Page:**

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

GetOnWheels

## Movies & Movie Theatres



MOVIE THEATRES AROUND

MOVIES PLAYING AROUND

Weather    Movies    Shopping    Restaurants    Account

**Movies Around Page:**

Displays the list of currently playing movies in theatres.

The image shows a mobile application interface for movie listings. At the top, there is a navigation bar with a back arrow icon and the text "GetOnWheels". Below this is a large movie poster for "Justice League", featuring the main cast standing together. Overlaid on the poster is the movie title "Justice League" in large white letters and a red heart icon followed by the rating "729.899825 U". Below the poster, there is a vertical list of genres: ACTION, ADVENTURE, FANTASY, and SCIENCE FICTION. A large blue "VIEW" button is positioned below these genres. Below this section is another movie listing for "Happy Death Day", showing a woman's face and the movie title in large white letters, along with a red heart icon and the rating "609 039725 T". At the bottom of the screen is a navigation bar with five icons: Weather (cloud), Movies (camera), Shopping (tag), Restaurants (fork and knife), and Account (person). The "Movies" icon is highlighted with a blue border.

On selection of a movie navigates to next page where movie details like popularity, release date, story overview, will be displayed. There are also links to display movie trailer and to book tickets.



**GetOnWheels**

## Justice League

**Popularity:**  
729.899825

**Release Date:**  
2017-11-15

**Overview:**

Fueled by his restored faith in humanity and inspired by Superman's selfless act, Bruce Wayne and Diana Prince assemble a team of metahumans consisting of Barry Allen, Arthur

**Weather** **Movies** **Shopping** **Restaurants** **Account**



**GetOnWheels**

**Popularity:**  
729.899825

**Release Date:**  
2017-11-15

**Overview:**  
Fueled by his restored faith in humanity and inspired by Superman's selfless act, Bruce Wayne and Diana Prince assemble a team of metahumans consisting of Barry Allen, Arthur Curry, and Victor Stone to face the catastrophic threat of Steppenwolf and the Parademons who are on the hunt for three Mother Boxes on Earth.

[BOOK TICKETS](#)

[WATCH TRAILER](#)



Weather    Movies    Shopping    Restaurants    Account

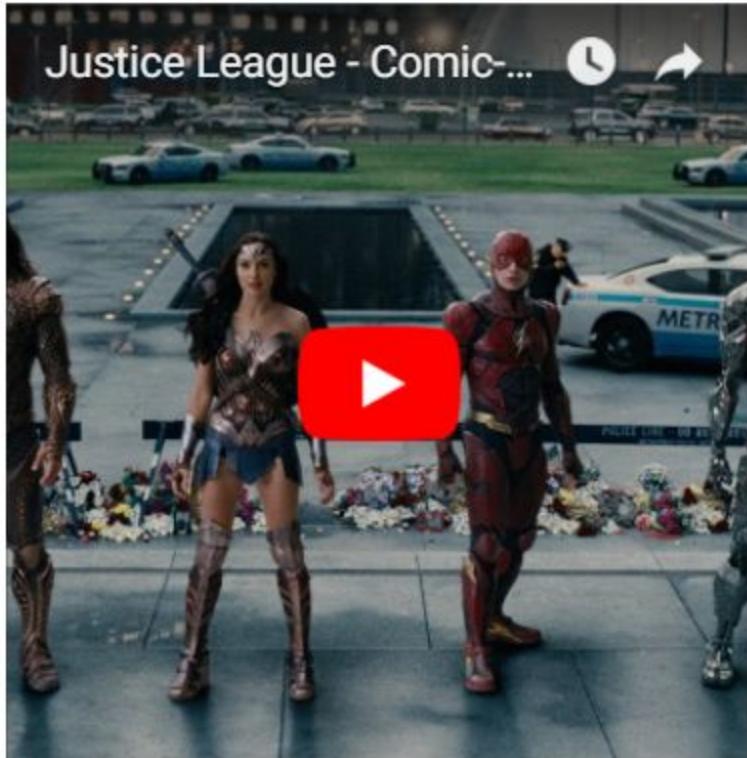


## GetOnWheels

metahumans consisting of Barry Allen, Arthur Curry, and Victor Stone to face the catastrophic threat of Steppenwolf and the Parademons who are on the hunt for three Mother Boxes on Earth.

[BOOK TICKETS](#)

[WATCH TRAILER](#)



Weather



Movies



Shopping



Restaurants



Account

[!\[\]\(109784ccc6c343f850bc2a1323018cbc\_img.jpg\)](#) **GetOnWheels**

metahumans consisting of Barry Allen, Arthur Curry, and Victor Stone to face the catastrophic threat of Steppenwolf and the Parademons who are on the hunt for three Mother Boxes on Earth.

[BOOK TICKETS](#)

[WATCH TRAILER](#)

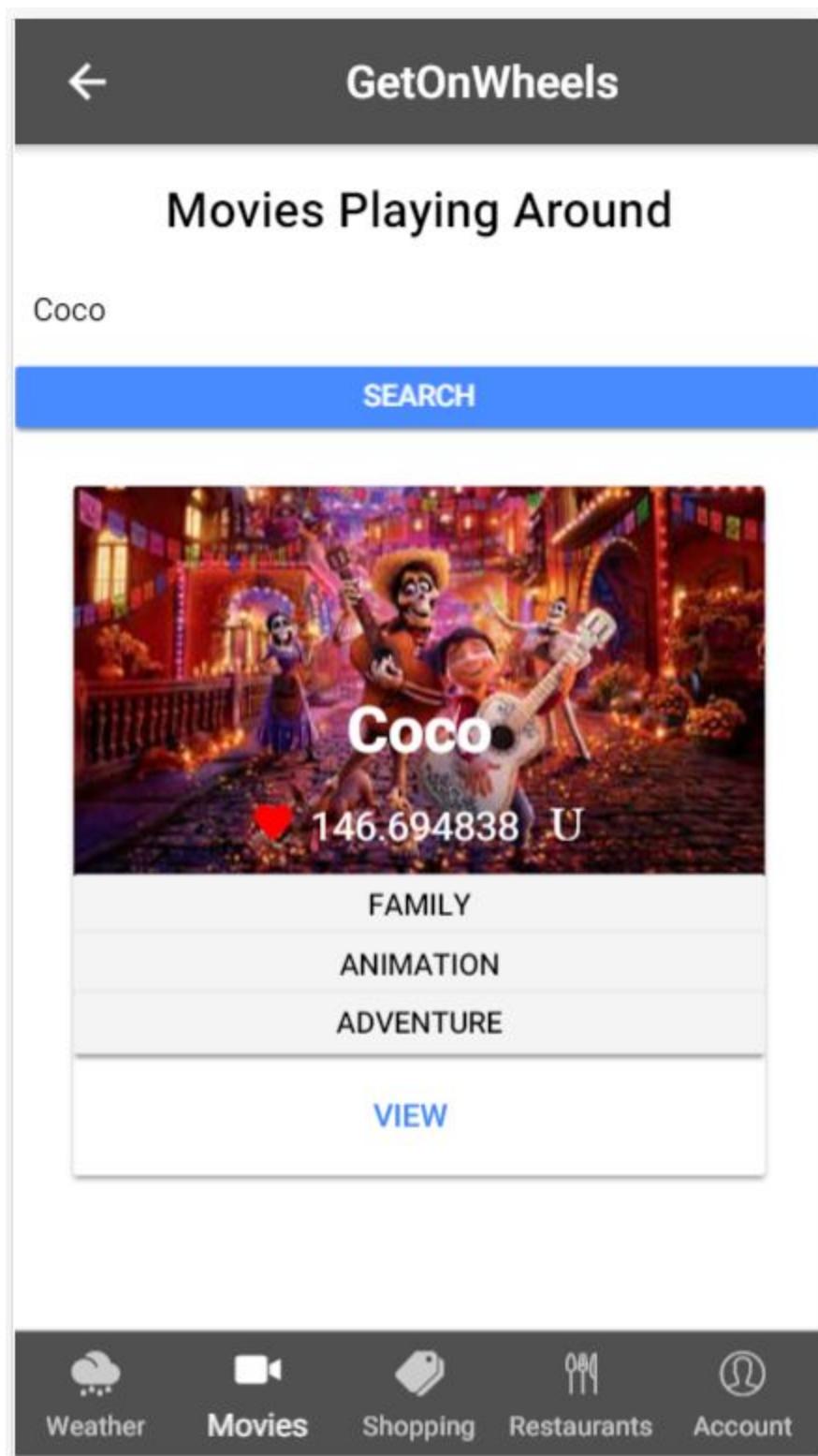
Justice League - Comic-...  



▶ 0:27 

 Weather  Movies  Shopping  Restaurants  Account

Search filter is also present to search for a particular movie.



External link has been provided to book tickets.

The image shows a mobile-style movie ticket booking interface. At the top, there is a navigation bar with a menu icon, a logo consisting of a stylized 'm' inside a square with film dots, a location pin icon, a search icon, and a 'SIGN IN' button. Below the navigation bar, there are two tabs: 'THEATERS' and 'MOVIES'. The main title 'Movies' is displayed in large letters, with an orange play button icon to its right.

Below the title, there are two sections: 'Now Playing' and 'Coming Soon'. The 'Now Playing' section features a poster for the movie 'Coco' (Disney Pixar) and a poster for 'Justice League' (DC). Both posters include the movie title and a 'Now Playing' status indicator. Each movie entry has a 'GET TICKETS' button at the bottom. The 'PG' rating is listed next to the Coco poster, and the 'PG-13' rating is listed next to the Justice League poster.

At the very bottom of the interface, there are two small promotional banners: one for 'DADDY'S' featuring Jim Carrey and another for 'PARKS & RECREATION' featuring Nick Offerman.

**Movies Around Page:** This page displays the list and map of movie theatres nearby users location.

## GetOnWheels

A Google Map interface showing a street view of a residential area. Two red location markers are placed on the map, indicating the user's current location and the nearby movie theaters. Labeled locations include Johnson County Community College, Deanna Rose Children's Farmstead, and B&B Theatres Overland Park 16. Major roads like 435, 35, and 69 are visible. A legend on the right side of the map includes icons for walking, zooming in/out, and a person icon.

Map Satellite

435

Johnson County Community College

Deanna Rose Children's Farmstead

35

69

Map data ©2017 Google Terms of Use

AMC Dine-In Studio 28 ★VIEW

---

AMC Town Center 20 ★VIEW

---

South Twin Drive-In [Historical] ★VIEW

---

B&B Theatres Overland Park 16 ★VIEW

---

Weather Movies Shopping Restaurants Account

On clicking on any theatre its address, contact number and reviews will be displayed. Navigation is also provided.

## Theatre Info



### B&B Theatres Overland Park 16

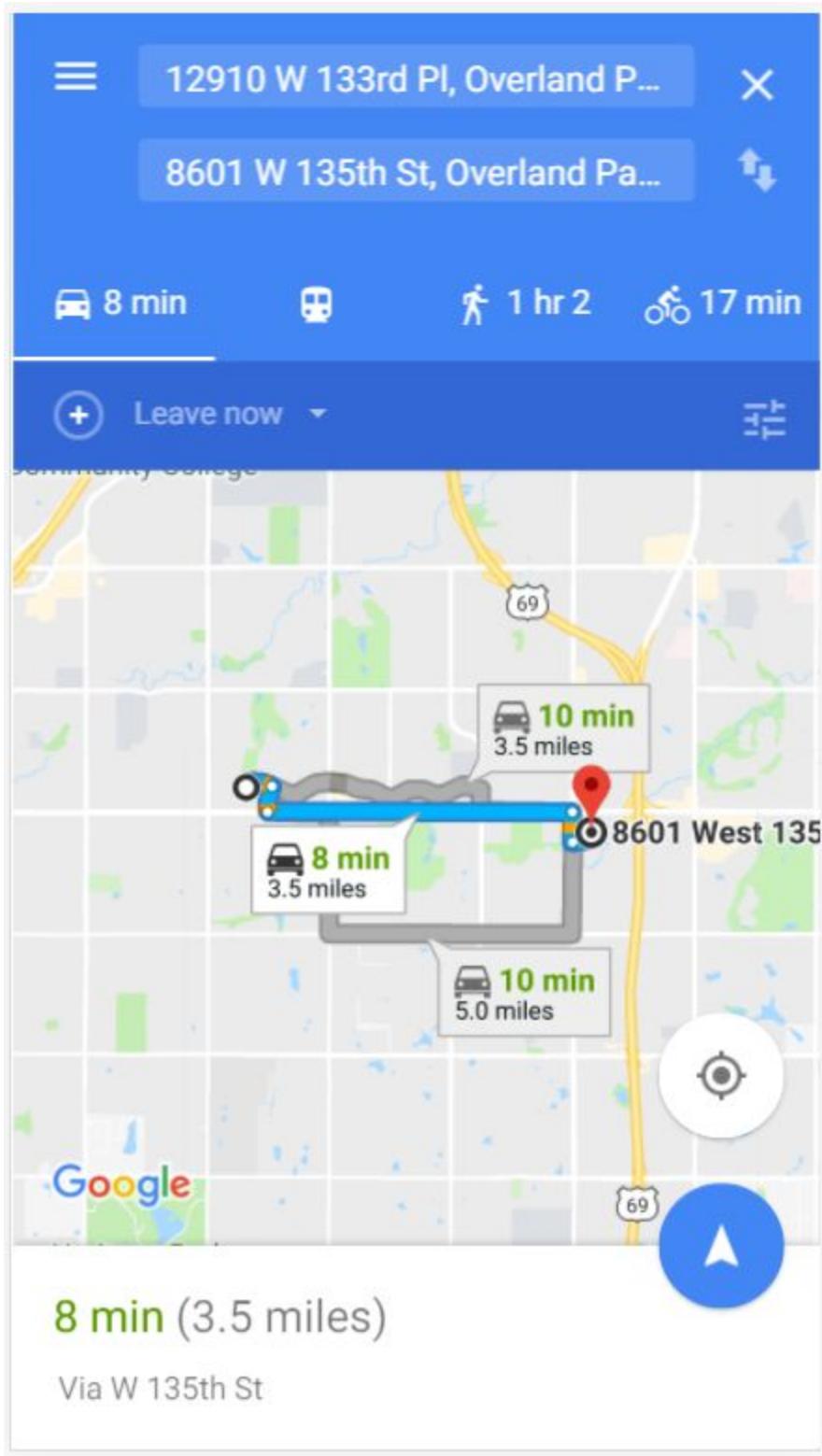
**Address:** 8601 W 135th St, Overland Park, KS 66223, USA

**Mobile No:** (913) 814-7469

#### Reviews:

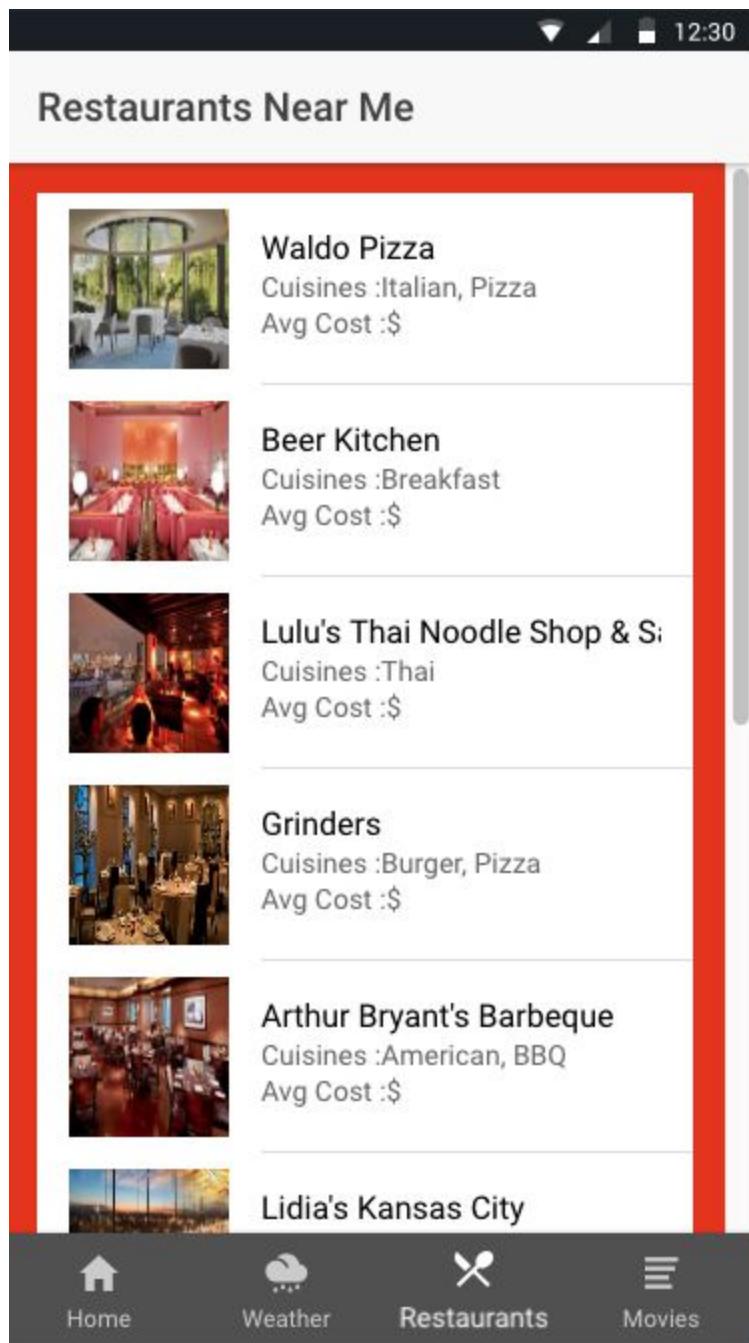
 Sylver Wolf  
★★★★★  
The inside of the store is actually a pretty interesting sight in of itself to check out. additionally, the staff is very friendly and foster a family friendly environment. The main theatre rooms are very massive, quite spacious, and are rarely packed with people. I have noticed

 Weather     Movies     Shopping     Restaurants     Account



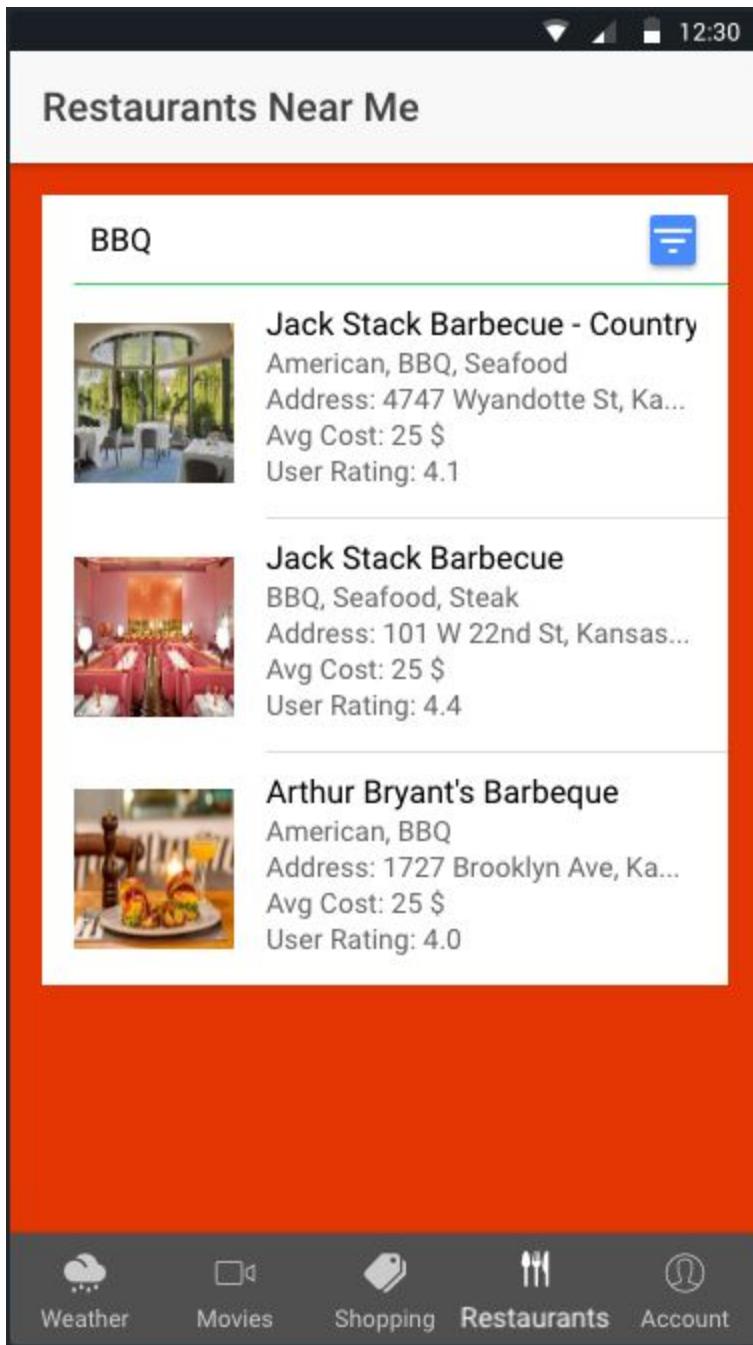
## Restaurants :

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.

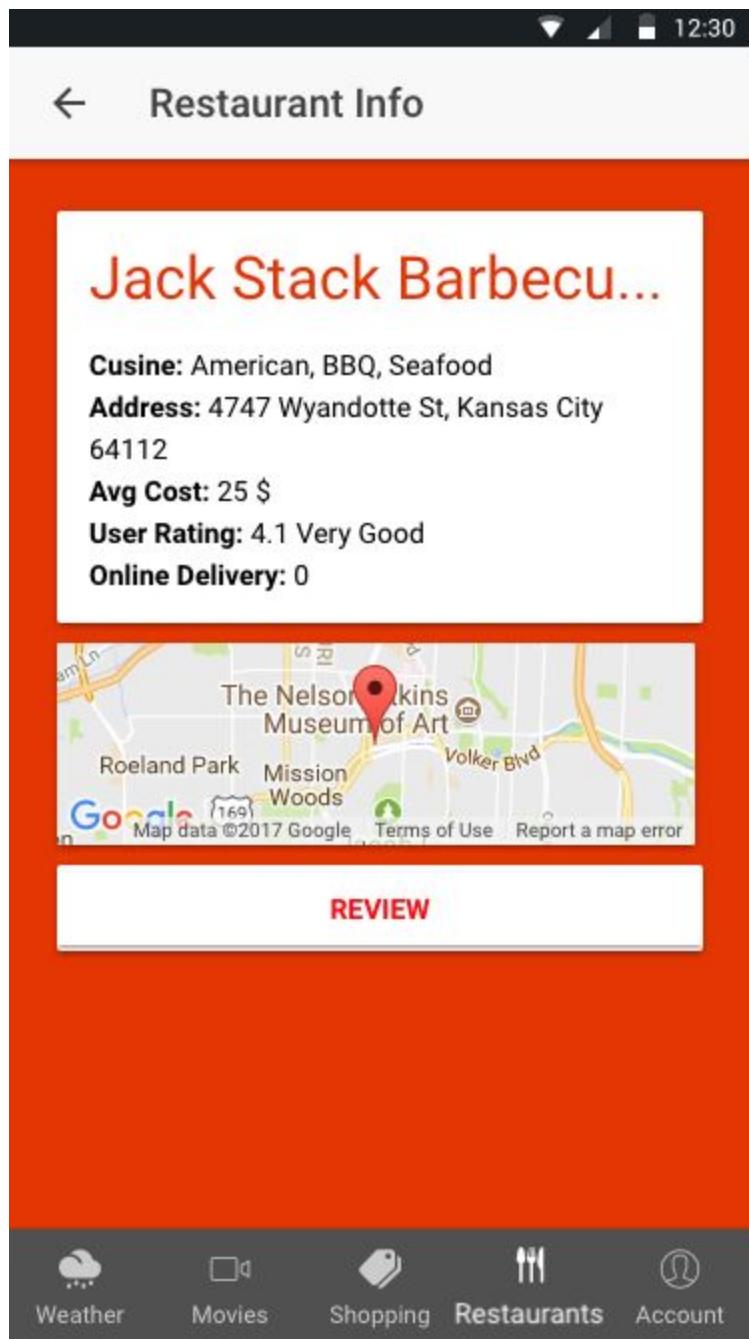


## Filter On Restaurants Page: Image 2

Here I have shown example of filtering cuisine type BBQ. The user gets the list of restaurants with BBQ cuisine.



## Maps on Restaurant info Page



### Map with route:

On clicking the map on restaurant info page, user is navigated to maps page where the direction to the maps are shown.



## Reviews:

On clicking the reviews on restaurant info page, user gets the reviews for the restaurant.

The screenshot shows a mobile application interface for a restaurant information page. At the top, there is a navigation bar with a back arrow and the title "Restaurant Info". Below the title is a map snippet from Google Maps showing the location of "The Nelson Atkins" with a red dot marker. The map includes street names like "SAS", "DURI", "Bvd", "Th", and "E 39th St". Below the map, there is a section titled "REVIEW" in red capital letters. The review section displays five entries, each consisting of a name, rating, and a truncated review text. The reviews are as follows:

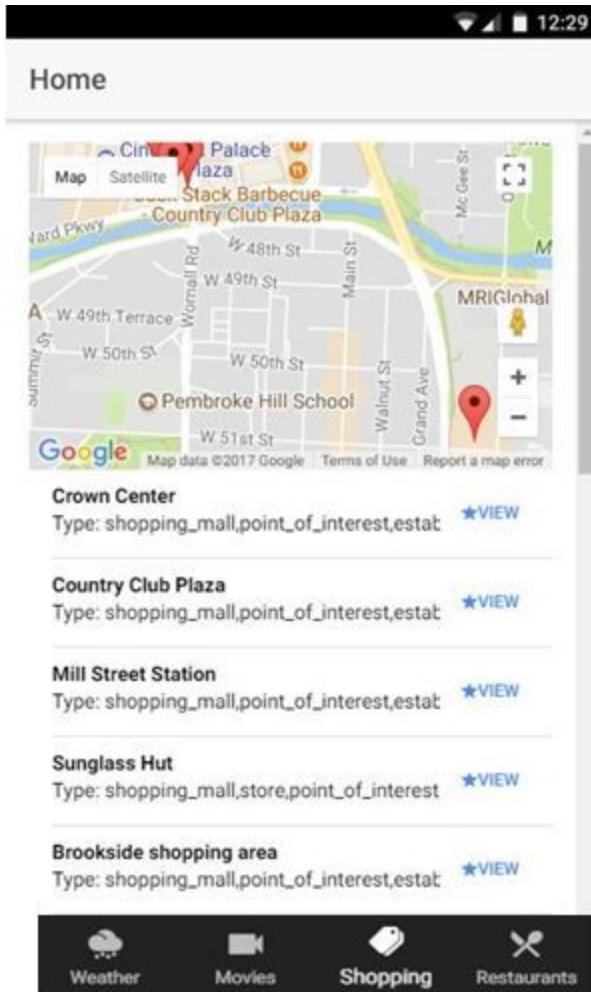
- Name:** Valid Name  
**Rating:** 4.5  
**Review Text:** Wow. As an amateur griller/sm...
- Name:** Facebook User  
**Rating:** 4  
**Review Text:** Great food with good service. I ...
- Name:** Yogesh K  
**Rating:** 5  
**Review Text:** Kansas city is known for its bar...
- Name:** Chad K  
**Rating:** 3.5  
**Review Text:** We stopped in here for an early ...
- Name:** Xiao Chen (肖立川)  
**Rating:** 4  
**Review Text:** Second time down here this mo...

At the bottom of the screen, there is a navigation bar with five icons: Weather (cloud), Movies (film), Shopping (tag), Restaurants (fork and knife), and Account (person). The "Restaurants" icon is highlighted with a white background.

## Shopping Malls:

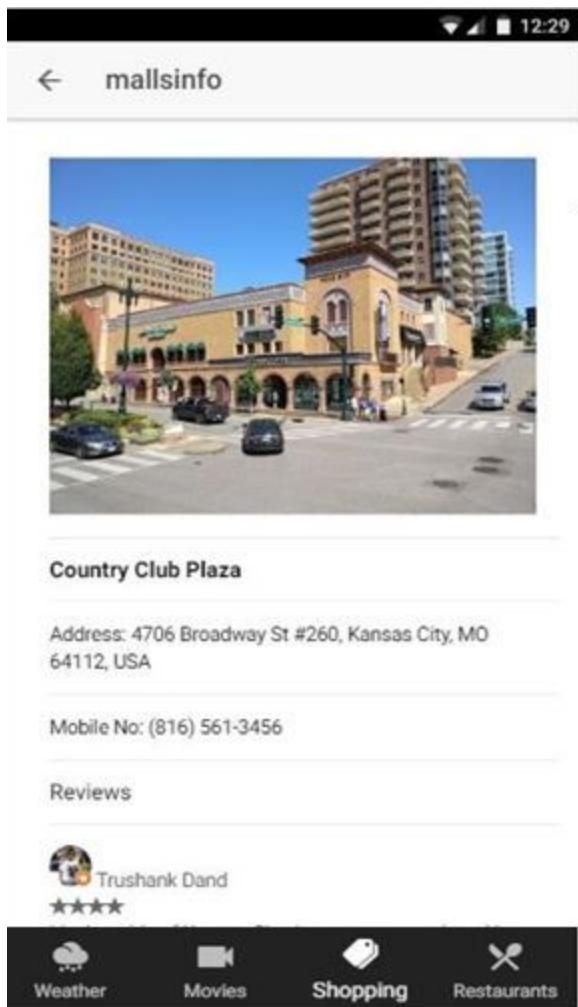
On clicking the shopping icon in the bottom tab, a user is navigated to the page where all the nearby shopping malls are listed down by fetching the current location of the user. In the top pane, the locations of the malls and the current user location are marked in google-map with markers.

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



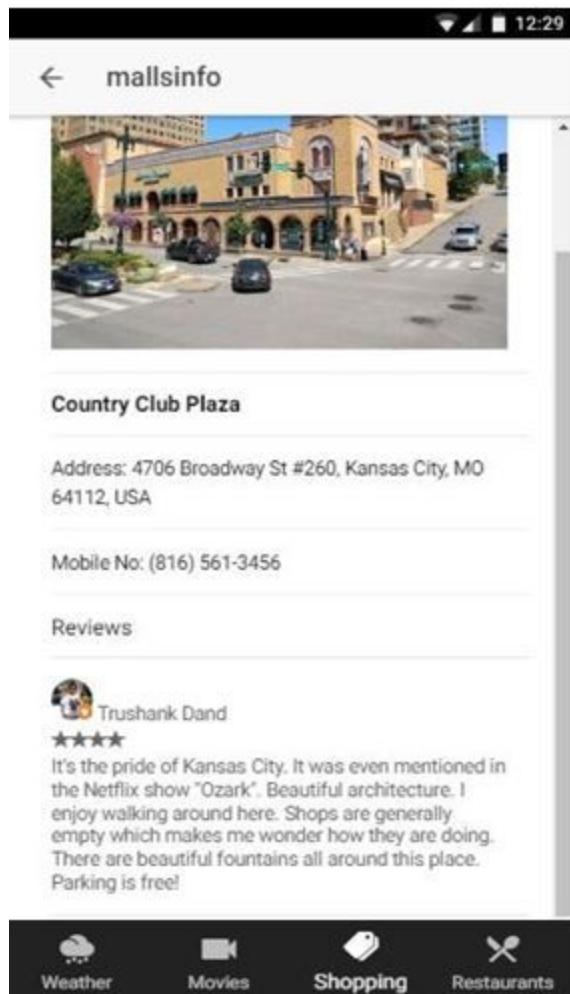
## Malls Info Page:

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.



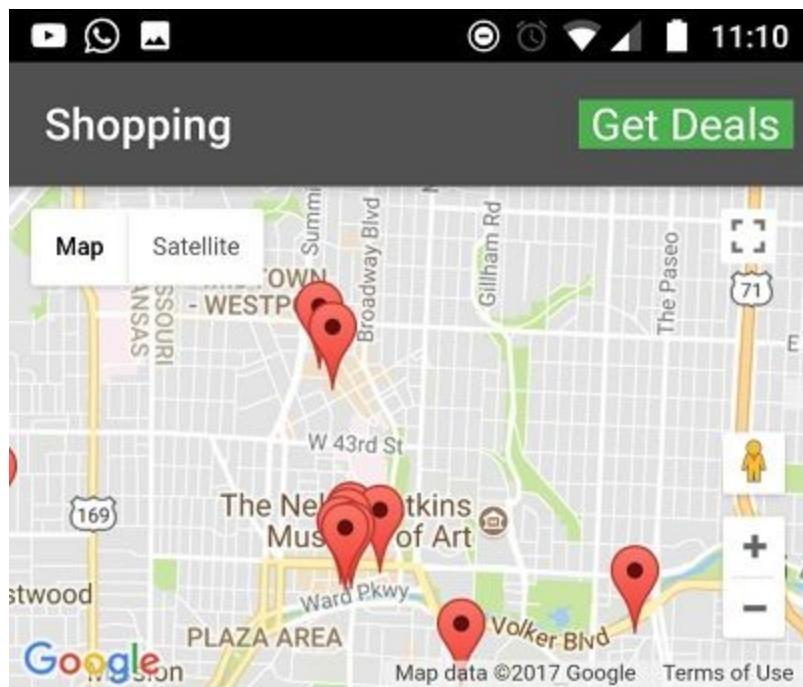
## Get Detailed Reviews:

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.



## Gallery for shopping malls

Extended the malls information page by including the gallery using the google places api where the user can zoom out the pictures to look around the selected mall.

**Crown Center**[★VIEW](#)

shopping\_mall,point\_of\_interest,establis...

**Country Club Plaza**[★VIEW](#)

shopping\_mall,point\_of\_interest,establis...

**Mill Street Station**[★VIEW](#)

shopping\_mall,point\_of\_interest,establis...



Weather



Movies



Shopping



Restaurants



The screenshot shows a mobile application interface. At the top, there is a navigation bar with icons for YouTube, WhatsApp, and a square, followed by a battery icon and the time '11:10'. Below the navigation bar, the title 'mallsinfo' is displayed with a back arrow on the left and a share arrow on the right. The main content area is titled 'Gallery' in bold black font. Below the title is a horizontal scrollable image gallery featuring several photographs: a small interior shot, a view of a building with a 'KODAK' sign, a large night photograph of a crowded outdoor area with a tall building in the background, and a small image of a church spire. A thin white vertical line is positioned between the first two images in the gallery. Below the gallery, the address 'Address: 4706 Broadway St #260, Kansas City, MO 64112, USA' is listed. A horizontal line follows this information. Below the line, the mobile number '(816) 561-3456' is provided. Another horizontal line is present below the phone number. The section 'Reviews' is titled in bold black font. Underneath the title, there is a user profile picture of a person with dark hair and a name 'Shriram Venkatesan'. Below the name is a five-star rating icon. A review text follows: 'If you had just one hour at KC, this would be the'. Below the review, there is a horizontal navigation bar with four items: 'Weather' (cloud icon), 'Movies' (cinema screen icon), 'Shopping' (tag icon), and 'Restaurants' (fork and knife icon). At the bottom of the screen, there are three standard Android navigation icons: a triangle pointing left, a circle, and a square.

Address: 4706 Broadway St #260, Kansas City,  
MO 64112, USA

Mobile No: (816) 561-3456

Reviews

Shriram Venkatesan  
★★★★★

If you had just one hour at KC, this would be the

Weather      Movies      Shopping      Restaurants

## Deals at the shopping malls nearby

Have created a new page that gives the deals information based on the stores available nearby. This is implemented by using the sqoot api that provides the deals based on the different categories like beauty and health,clothing,electronics etc.

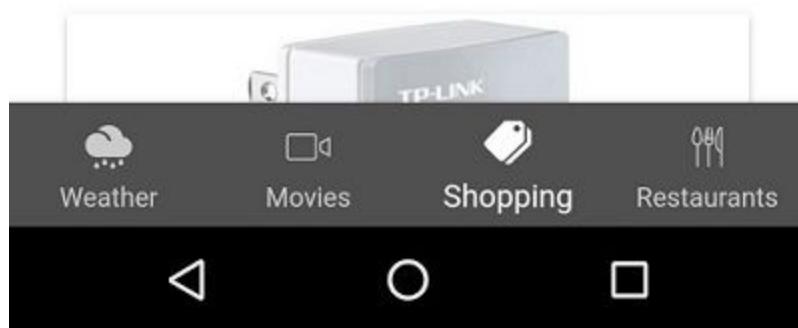
The screenshot shows a mobile application interface for deals. At the top, there is a navigation bar with icons for YouTube, WhatsApp, and a square, followed by a battery icon, signal strength, and the time '11:11'. Below the navigation bar, the word 'deals' is displayed next to a back arrow icon.

The main content area features a large image of coffee beans in a burlap sack with a scoop resting on it. Below the image, the following text is displayed:

Vegan Bakery Treats or Beverages at  
Mud Pie Vegan Bakery & Coffeehouse  
(Up to 52% Off)

50% off at Mud Pie Vegan Bakery & Coffeehous

**Category:** bars-clubs



11:11

← deals

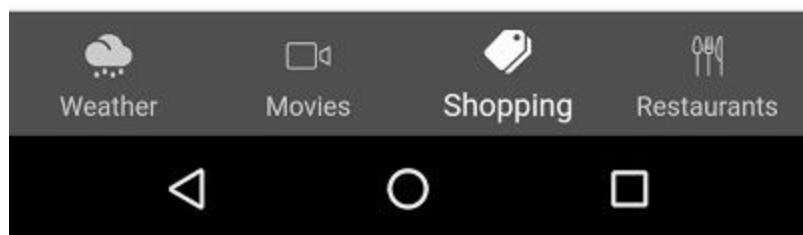
**Category:** Electronics

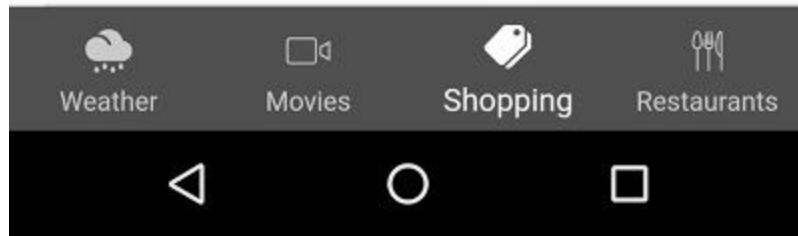
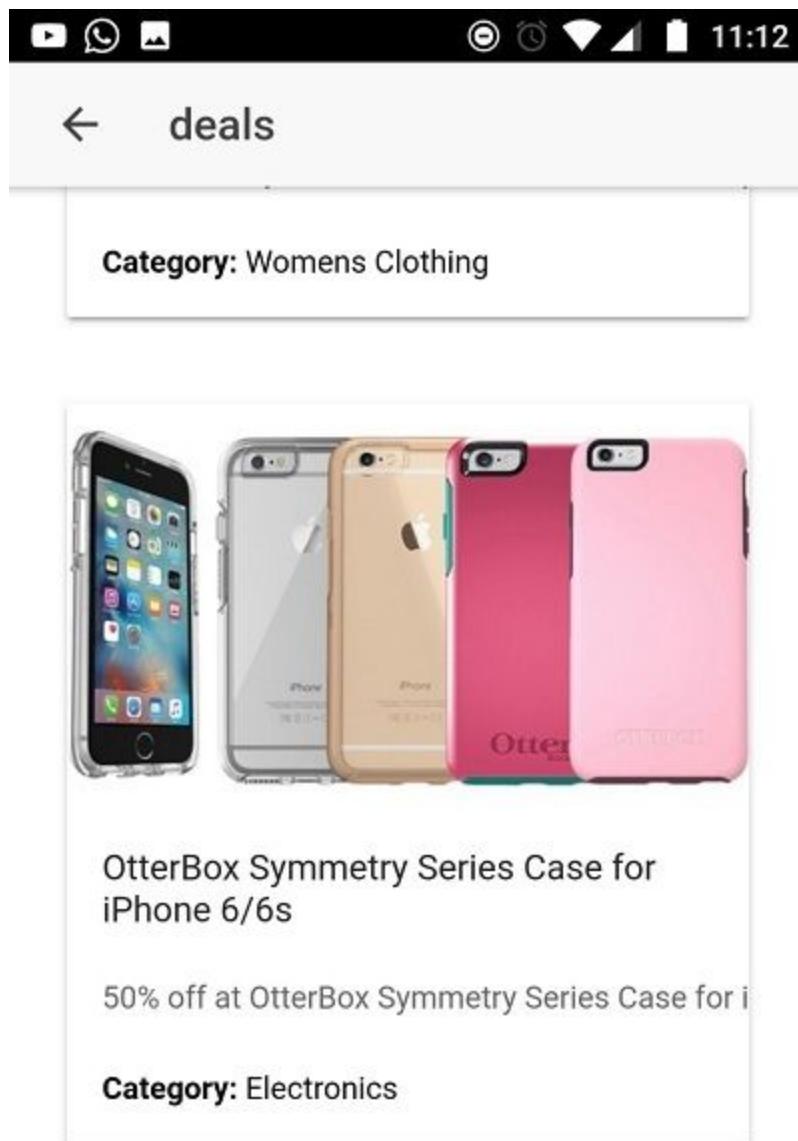


Lyss Loo Women's Long-Sleeve Dolman Tunic Top (3-Pack)

42% off at Lyss Loo Women's Dolman Tunic Top

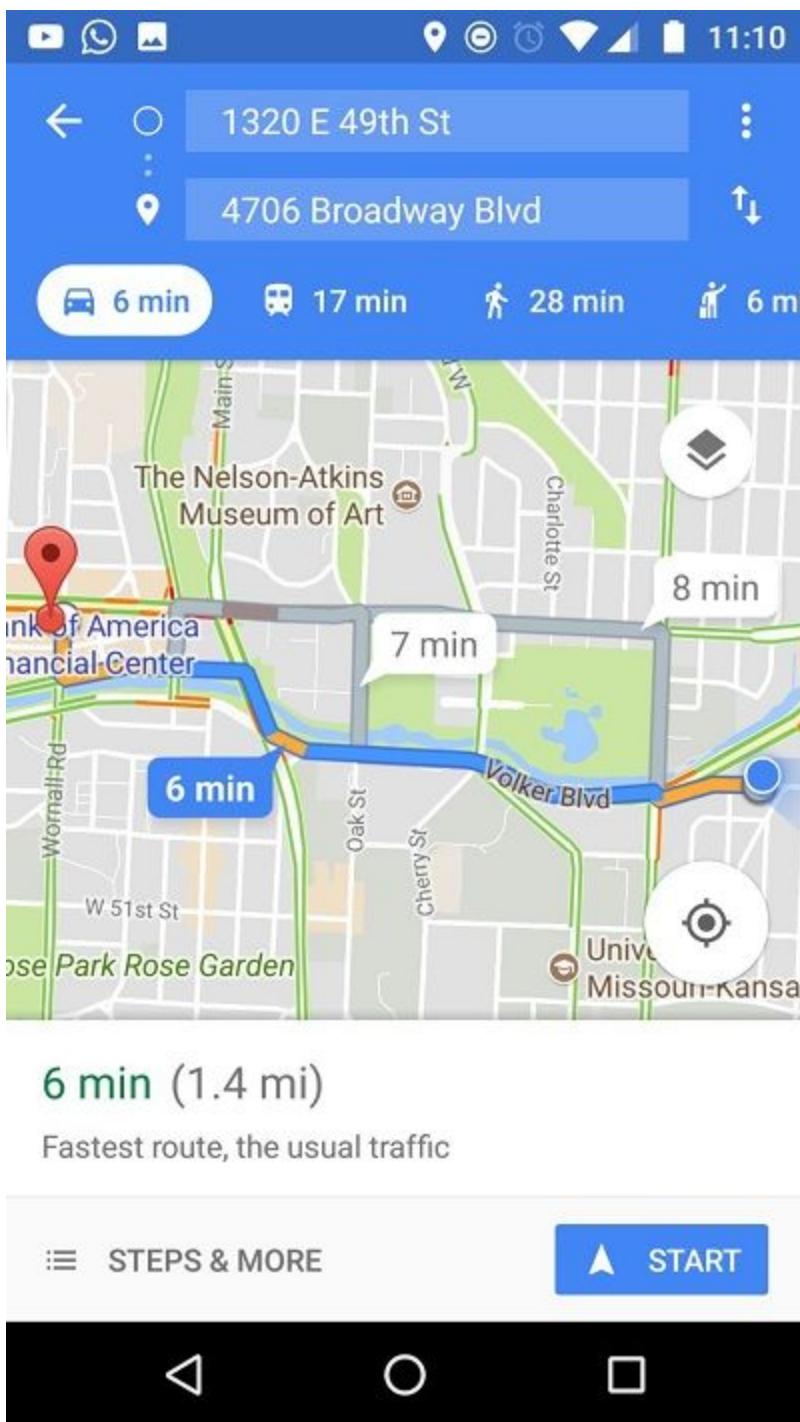
**Category:** Womens Clothing





## Google Map Navigation

Included the navigation from the user location to the chosen shopping mall using the google maps by fetching the current position of the user and the chosen shopping mall along with the choice of selecting the mode he wants.

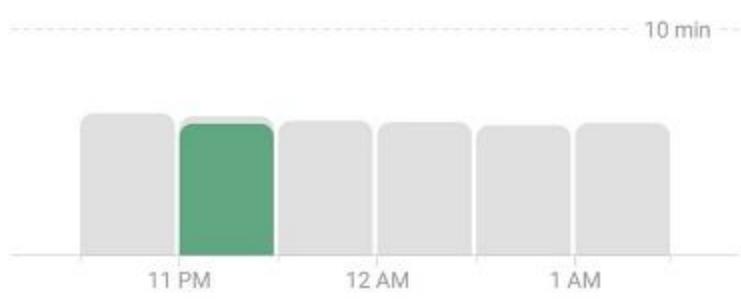




6 min (1.4 mi)

Fastest route, the usual traffic

## Traffic



## Steps



1320 E 49th St



Head west on E 49th St  
toward Tracy Ave

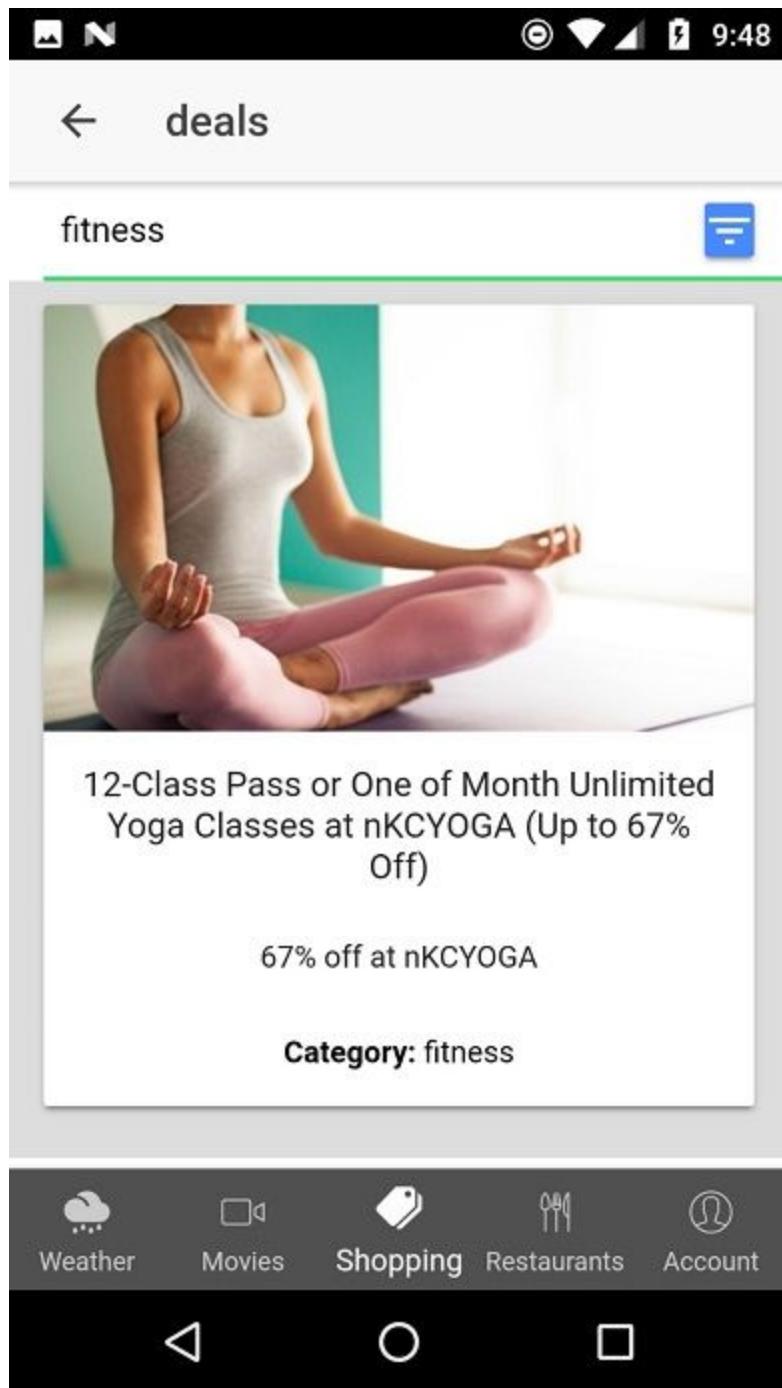


SHOW MAP

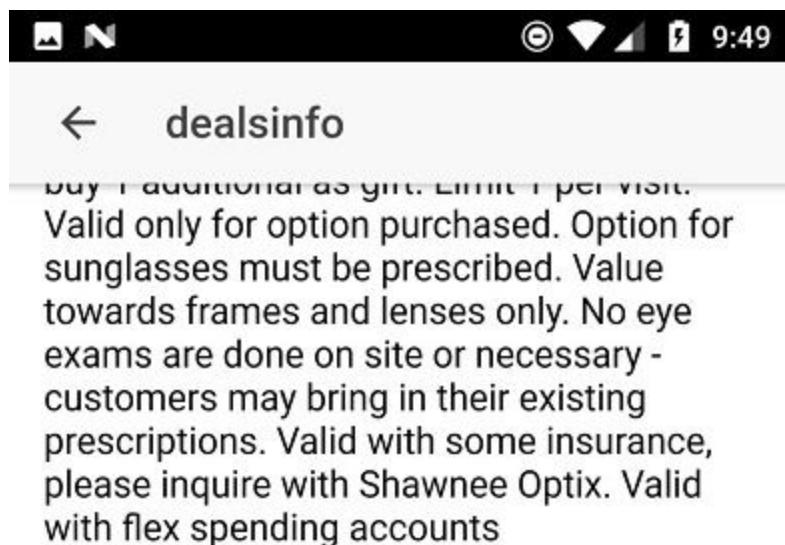
▲ START



## Filtering deals:



## Information of a particular deal:



**Actual Price:** \$200

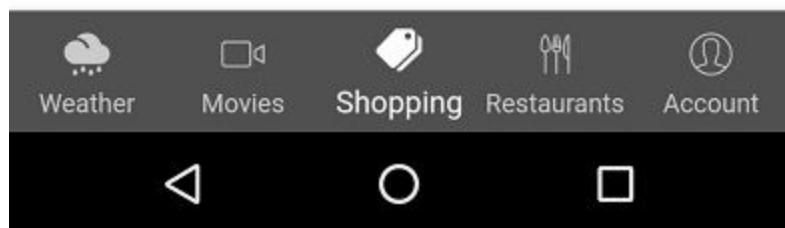
**Discount Amount:** \$182

**Final price:** \$18

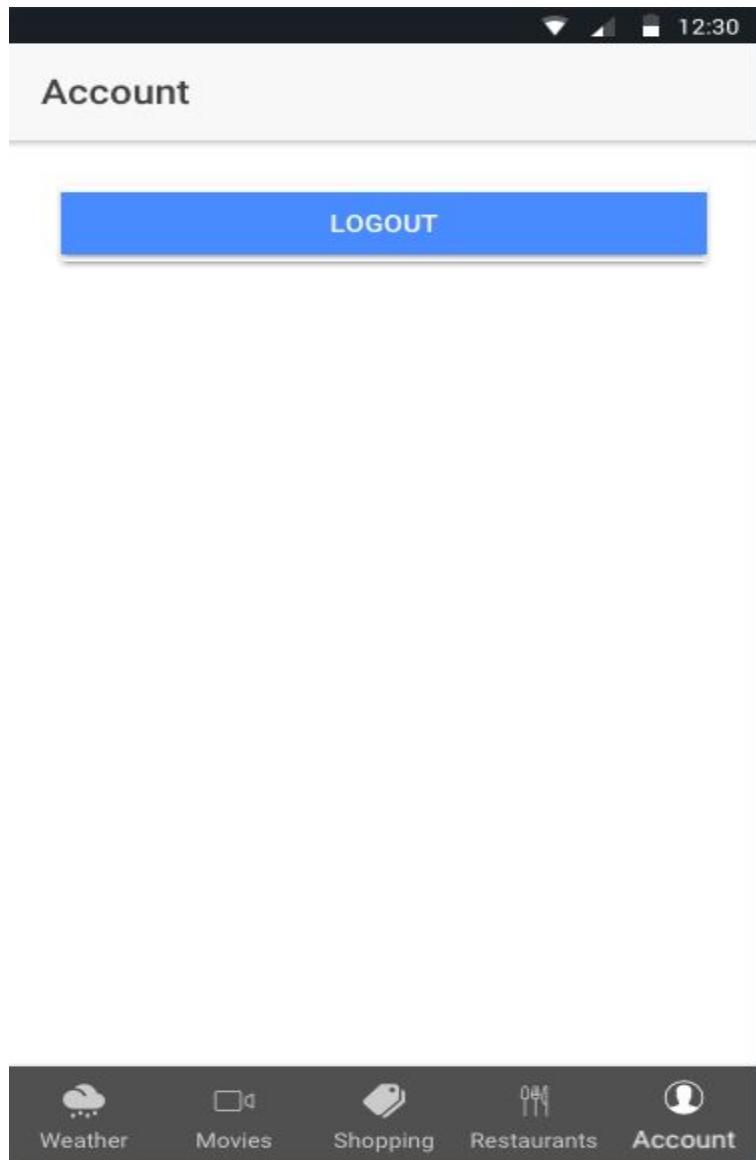
### **Merchant Details:**

**Name:** Shawnee Optix

**Address:** 11000 Johnson Dr, Shawnee Mission, KS, 66203, United States



**Sign Out in Account Tabs:** When the user clicks on the logout button, user is logged out and navigated to login page.



# 5. Project Management:

## 5.1 Issues Screenshot:

Tasks are assigned to different team members. Once, the tasks are completed, they are closed.

The screenshot shows a Jira project interface for 'Get-On-Wheels-Project'. The top navigation bar includes links for Code, Issues (10), Pull requests (0), Boards, Reports, Projects (1), Wiki, and Insights. The main content area displays a list of 10 open issues, each with a title, type (enhancement), priority (3), and status (In Progress). The issues listed are:

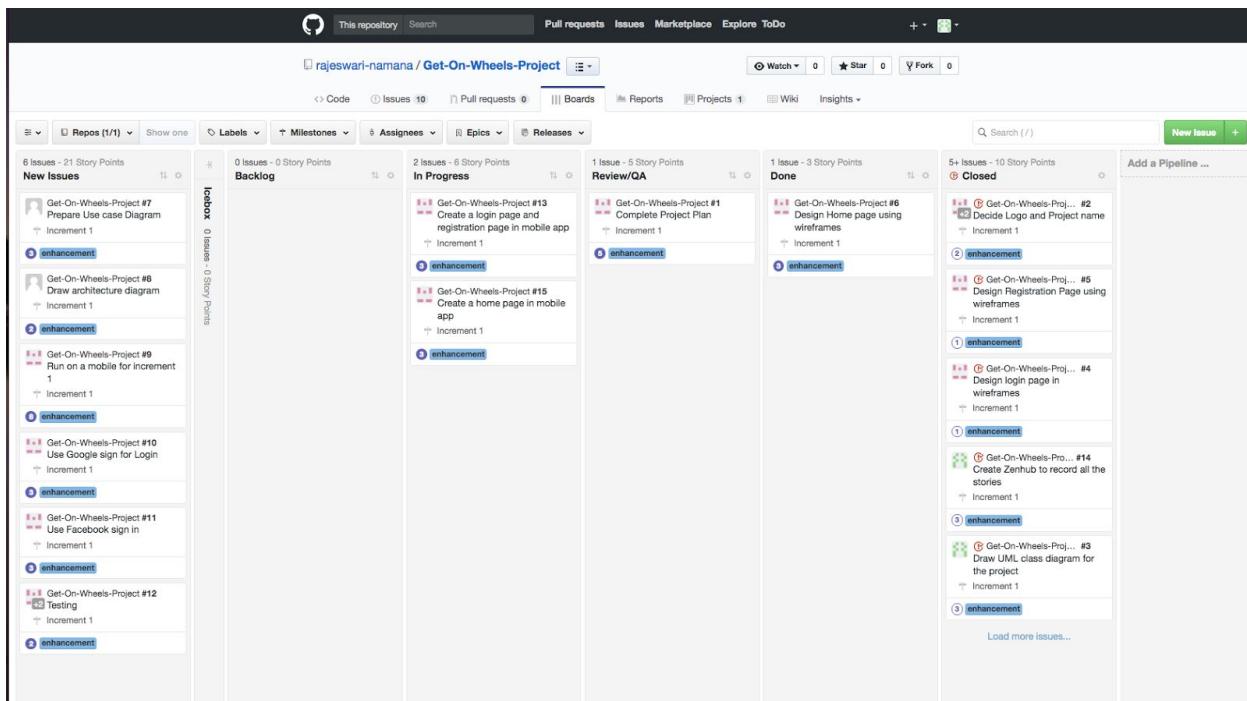
- Create a home page in mobile app (enhancement, 3)
- Create a login page and registration page in mobile app (enhancement, 3)
- Testing (enhancement, 2)
- Use Facebook sign in (enhancement, 3)
- Use Google sign for Login (enhancement, 3)
- Run on a mobile for increment 1 (enhancement, 3)
- Draw architecture diagram (enhancement, 2)
- Prepare Use case Diagram (enhancement, 3)
- Design Home page using wireframes (enhancement, 3)
- Complete Project Plan (enhancement, 3)

Each issue row includes a checkbox, the issue number, the assignee (khushbukolhe), the date opened (14 hours ago), the increment (Increment 1), and the status (In Progress, New Issues, or Done). A green 'New issue' button is located at the top right of the list.

**ProTip!** Mix and match filters to narrow down what you're looking for.

| Remaining Issues and Pull Requests                        |  | Story points |
|---|--|--------------|
| ① Complete Project Plan                                   | enhancement<br>Get-On-Wheels-Project #1  | 5            |
| ① Design Home page using wireframes                       | enhancement<br>Get-On-Wheels-Project #6  | 1            |
| ① Prepare Use case Diagram                                | enhancement<br>Get-On-Wheels-Project #7  | 3            |
| ① Draw architecture diagram                               | enhancement<br>Get-On-Wheels-Project #8  | 2            |
| ① Run on a mobile for increment 1                         | enhancement<br>Get-On-Wheels-Project #9  | 8            |
| ① Use Google sign for Login                               | enhancement<br>Get-On-Wheels-Project #10 | 3            |
| ① Use Facebook sign in                                    | enhancement<br>Get-On-Wheels-Project #11 | 3            |
| ① Testing   | enhancement<br>Get-On-Wheels-Project #12 | 2            |
| ① Create a login page and registration page in mobile app | enhancement<br>Get-On-Wheels-Project #13 | 3            |
| ① Create a home page in mobile app                        | enhancement<br>Get-On-Wheels-Project #15 | 3            |
| Completed Issues and Pull Requests                        |  | Story points |
| ② Decide Logo and Project name                            | enhancement<br>Get-On-Wheels-Project #2  | 2            |
| ② Draw UML class diagram for the project                  | enhancement<br>Get-On-Wheels-Project #3  | 3            |
| ② Design login page in wireframes                         | enhancement<br>Get-On-Wheels-Project #4  | 1            |
| ② Design Registration Page using wireframes               | enhancement<br>Get-On-Wheels-Project #5  | 1            |
| ② Create Zenhub to record all the stories                 | enhancement<br>Get-On-Wheels-Project #14 | 3            |

## 5.2 Storyboard Screenshot:

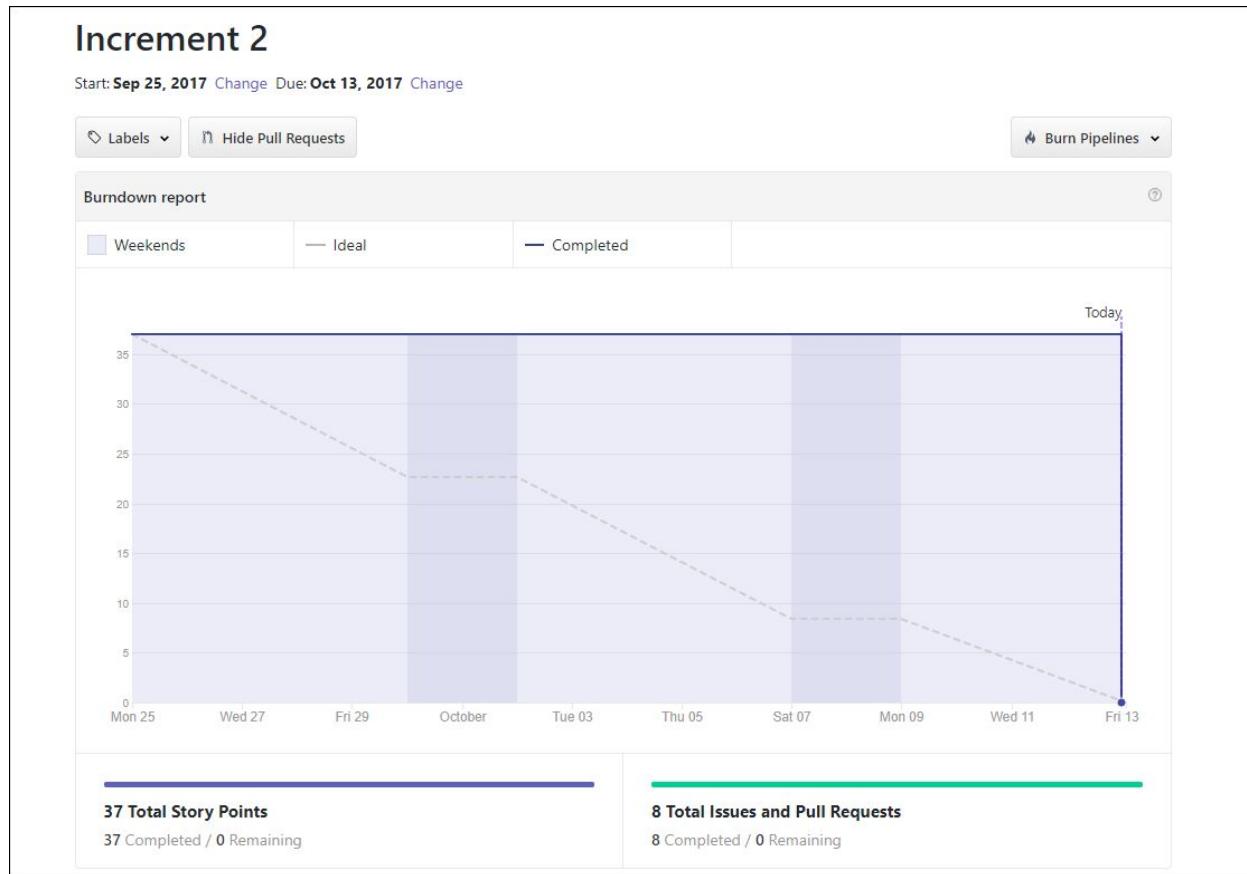


| Remaining Issues and Pull Requests                        |   | Story points |
|---|---|--------------|
| ① Complete Project Plan                                   | enhancement<br>Get-On-Wheels-Project #1    Review/QA ↑ Increment 1    | 5            |
| ① Design Home page using wireframes                       | enhancement<br>Get-On-Wheels-Project #6    Done ↑ Increment 1         | 3            |
| ① Prepare Use case Diagram                                | enhancement<br>Get-On-Wheels-Project #7    New Issues ↑ Increment 1   | 3            |
| ① Draw architecture diagram                               | enhancement<br>Get-On-Wheels-Project #8    New Issues ↑ Increment 1   | 2            |
| ① Run on a mobile for increment 1                         | enhancement<br>Get-On-Wheels-Project #9    New Issues ↑ Increment 1   | 8            |
| ① Use Google sign for Login                               | enhancement<br>Get-On-Wheels-Project #10    New Issues ↑ Increment 1  | 3            |
| ① Use Facebook sign in                                    | enhancement<br>Get-On-Wheels-Project #11    New Issues ↑ Increment 1  | 3            |
| ① Testing   | enhancement<br>Get-On-Wheels-Project #12    New Issues ↑ Increment 1  | 2            |
| ① Create a login page and registration page in mobile app | enhancement<br>Get-On-Wheels-Project #13    In Progress ↑ Increment 1 | 3            |
| ① Create a home page in mobile app                        | enhancement<br>Get-On-Wheels-Project #15    In Progress ↑ Increment 1 | 3            |
| Completed Issues and Pull Requests                        |   | Story points |
| ② Decide Logo and Project name                            | enhancement<br>Get-On-Wheels-Project #2    Done ↑ Increment 1         | 2            |
| ② Draw UML class diagram for the project                  | enhancement<br>Get-On-Wheels-Project #3    Done ↑ Increment 1         | 3            |
| ② Design login page in wireframes                         | enhancement<br>Get-On-Wheels-Project #4    Review/QA ↑ Increment 1    | 1            |
| ② Design Registration Page using wireframes               | enhancement<br>Get-On-Wheels-Project #5    New Issues ↑ Increment 1   | 1            |
| ② Create Zenhub to record all the stories                 | enhancement<br>Get-On-Wheels-Project #14    Done ↑ Increment 1        | 3            |

The screenshot shows a GitHub project board for the repository "rajeswari-namana / Get-On-Wheels-Project". The board has five columns: Backlog, In Progress, Review/QA, Done, and Closed. The Backlog column contains 6 issues with story points ranging from 1 to 10. The In Progress column contains 2 issues with story points of 6 and 5. The Review/QA column contains 1 issue with a story point of 3. The Done column contains 5+ issues with story points of 3, 5, 3, 4, and 14. The Closed column contains 5 issues with story points of 2, 1, 1, 1, and 3. A sidebar on the left lists the backlog items with their descriptions and story points.

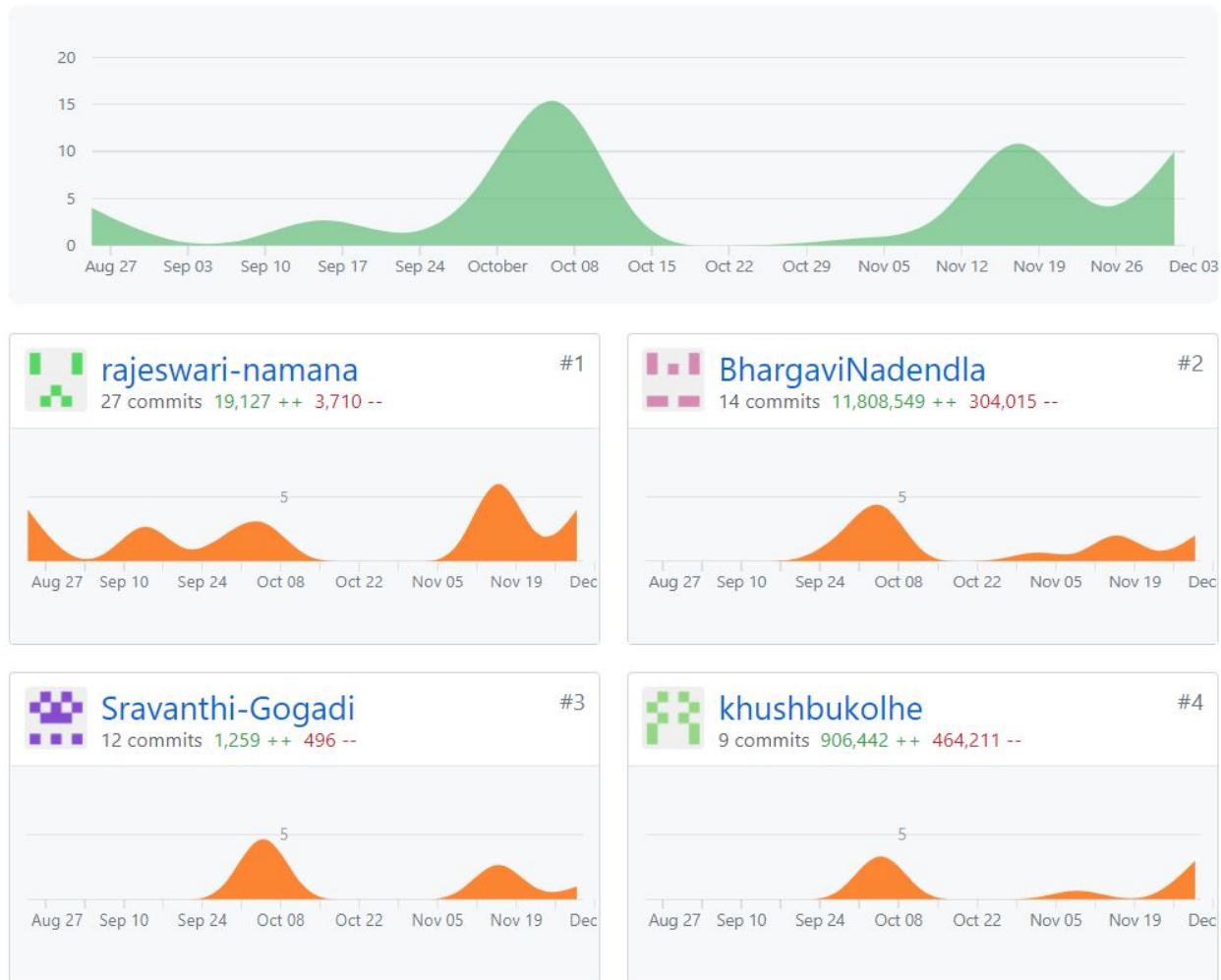
| Column      | Issue ID                  | Description   | Story Points |
|-------------|---------------------------|---|--------------|
| Backlog     | Get-On-Wheels-Project #7  | Prepare Use case Diagram                                | 1            |
| Backlog     | Get-On-Wheels-Project #8  | Draw architecture diagram                               | 1            |
| Backlog     | Get-On-Wheels-Project #9  | Run on a mobile for increment 1                         | 1            |
| Backlog     | Get-On-Wheels-Project #10 | Use Google sign for Login                               | 1            |
| Backlog     | Get-On-Wheels-Project #11 | Use Facebook sign in                                    | 1            |
| Backlog     | Get-On-Wheels-Project #12 | Testing   | 1            |
| In Progress | Get-On-Wheels-Project #13 | Create a login page and registration page in mobile app | 6            |
| In Progress | Get-On-Wheels-Project #15 | Create a home page in mobile app                        | 5            |
| Review/QA   | Get-On-Wheels-Project #1  | Complete Project Plan                                   | 3            |
| Done        | Get-On-Wheels-Project #6  | Design Home page using wireframes                       | 3            |
| Done        | Get-On-Wheels-Project #2  | Decide Logo and Project name                            | 5            |
| Done        | Get-On-Wheels-Project #5  | Design Registration Page using wireframes               | 1            |
| Done        | Get-On-Wheels-Project #4  | Design login page in wireframes                         | 1            |
| Done        | Get-On-Wheels-Project #14 | Create Zenhub to record all the stories                 | 14           |
| Done        | Get-On-Wheels-Project #3  | Draw UML class diagram for the project                  | 1            |
| Closed      | Get-On-Wheels-Project #1  | Increment 1   | 1            |
| Closed      | Get-On-Wheels-Project #2  | Increment 1   | 1            |
| Closed      | Get-On-Wheels-Project #5  | Increment 1   | 1            |
| Closed      | Get-On-Wheels-Project #4  | Increment 1   | 1            |
| Closed      | Get-On-Wheels-Project #14 | Increment 1   | 1            |
| Closed      | Get-On-Wheels-Project #3  | Increment 1   | 1            |

### 5.3 Burndown Chart:



## 5.4 Contribution:

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



## 5.5 Authors & Work Completed:

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

- 1. Rajeswari Devi Namana(ClassID: 29)** - Team lead responsible for coordinating with team members, design of Login Page, Registration Page, implementation of Movies Page which is the introduction page to movies part, Movie Theatres Around Pages - displays the list and location of nearby theatres on a map, if a theatre is selected its address, contact number, reviews and navigation will be shown. Movies Around Page - displays currently playing movies and their details like story overview, trailer, genre. Can book tickets using an external link. 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 which gives the information of current weather for current location of the user, Weather forecast page which gives the hourly forecast of the weather for the next 12 hours. 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. 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   |

## 7. User Manual:

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1. The user can login in into the app by creating an account in the app or by using the facebook and google plus login.
2. As soon as the user logs in he will be taken to the homepage where the user can view the weather updates along with his current location. He can also check the weather updates throughout the day.
3. The home page also includes must see places around the user location where the user can look for the famous places around him.
4. As this app mainly focuses on the traveller view it also includes some additional functionalities through various tabs namely Movies, Shopping and Restaurants where the user can know the information about nearby shopping malls, movies playing around and the restaurants available nearby.
5. If the user wants to watch a movie he can click on the movies tab which includes the theatres available around him and also the movies that are currently playing in those theatres. He can opt movies according to the genre and can also book tickets for a movie.
6. Suppose if the user wants to go out for shopping he can select the shopping tab where he gets the information about the shopping malls available nearby along with the various deals available at them with a filtering option. He can also see the check the details of a particular shopping mall.
7. And if the user chooses to eat out he can get the restaurants available nearby with respect to the cuisines by choosing the restaurant tab. He also gets the details about the restaurant.
8. All the options included in the app provide a google map navigation which helps the user to get to the destination much easier.
9. This application would be greatly helpful for a traveller where he can get to know about new around him and can also choose different options according to his need.

## 8. Bibliography:

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