

Travel buddy
Fourth Increment Report

By

Team 19 - Sprinterz
Gattu Sampath
Pottabathula Prathyusha
Sadanand Kallakuri
Nalla Abhiram Reddy

I. Existing Services/REST API

We used **Google Maps API**, **Yandex API**, **pi.fixr.io** for language translator, weatherunderground api, Currency Converter , twitter search api widget , google places

II. Detail Design of Features (using tools)

Architecture diagram/Sequence diagram/Class diagram

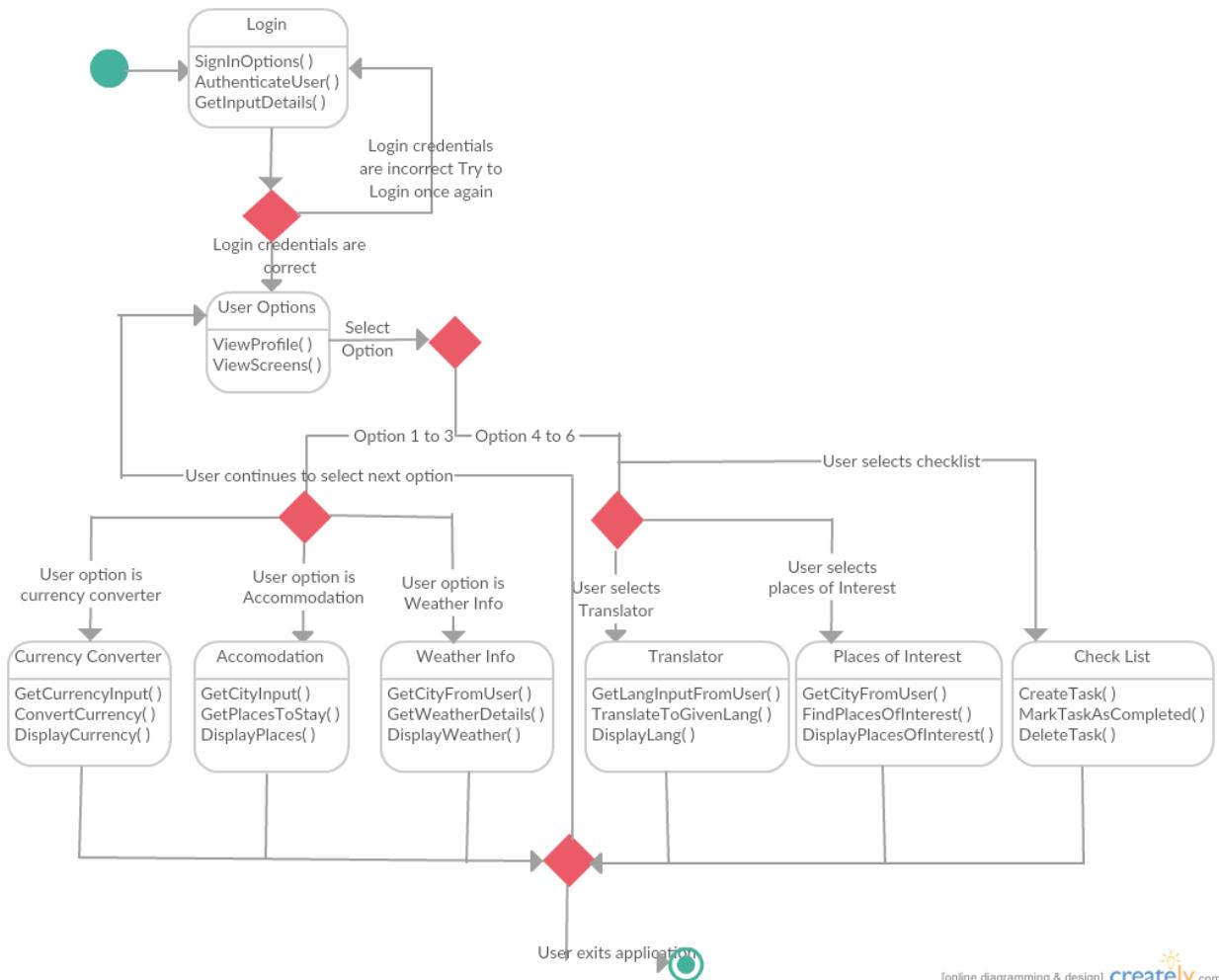
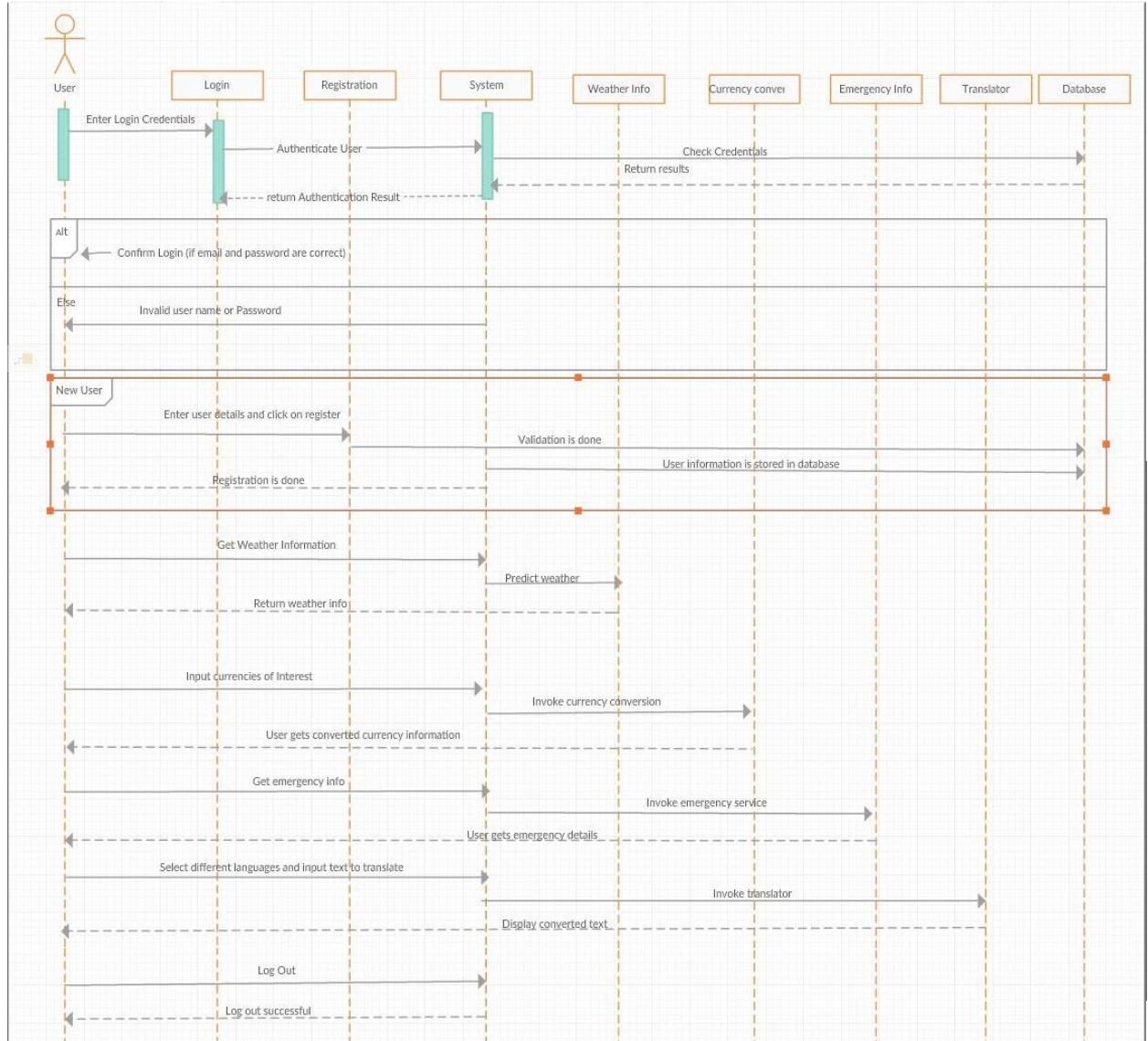


Fig: Architecture Diagram

**Fig:** Sequence Diagram

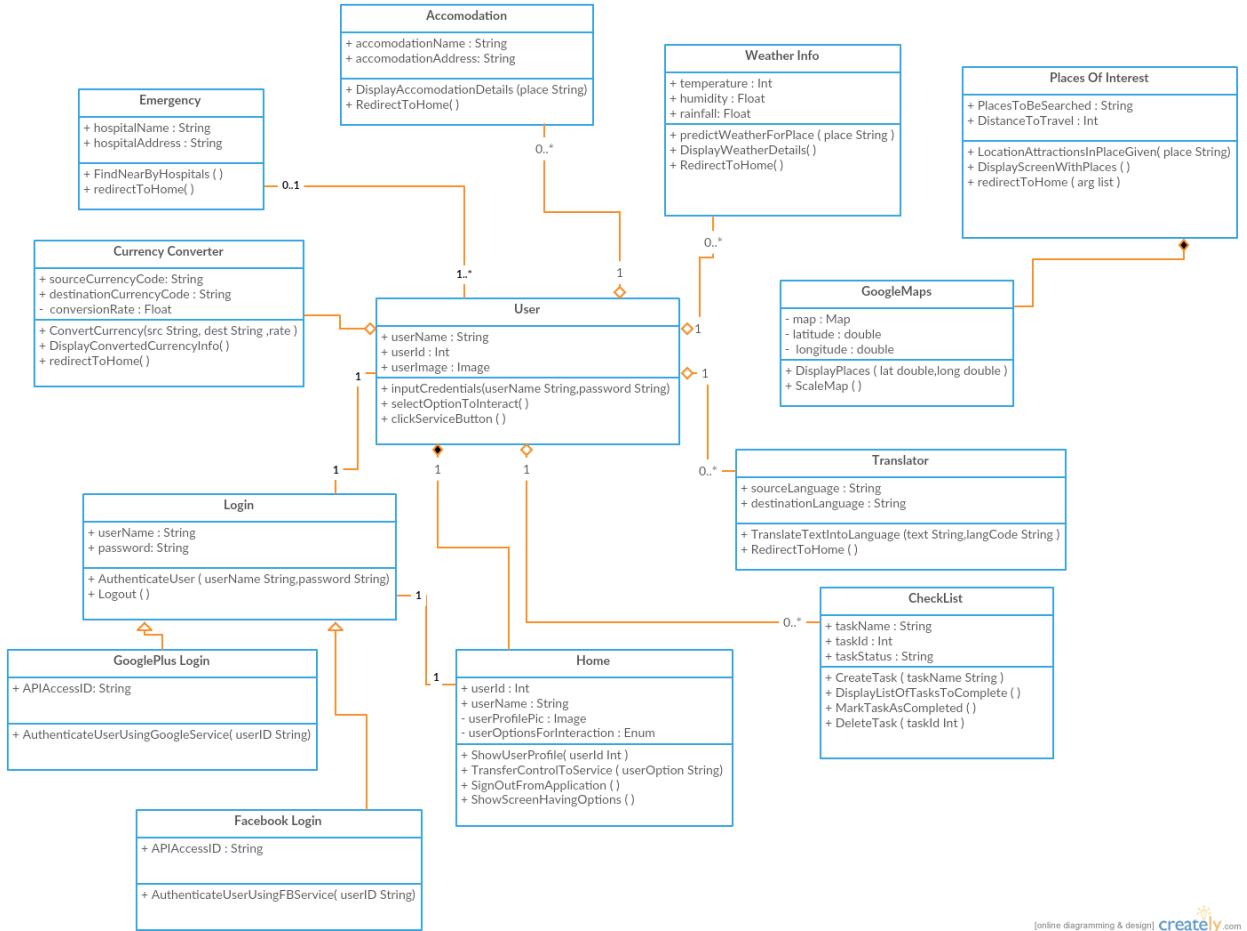


Fig: Class Diagram

Write User Stories /Use Case/Service description

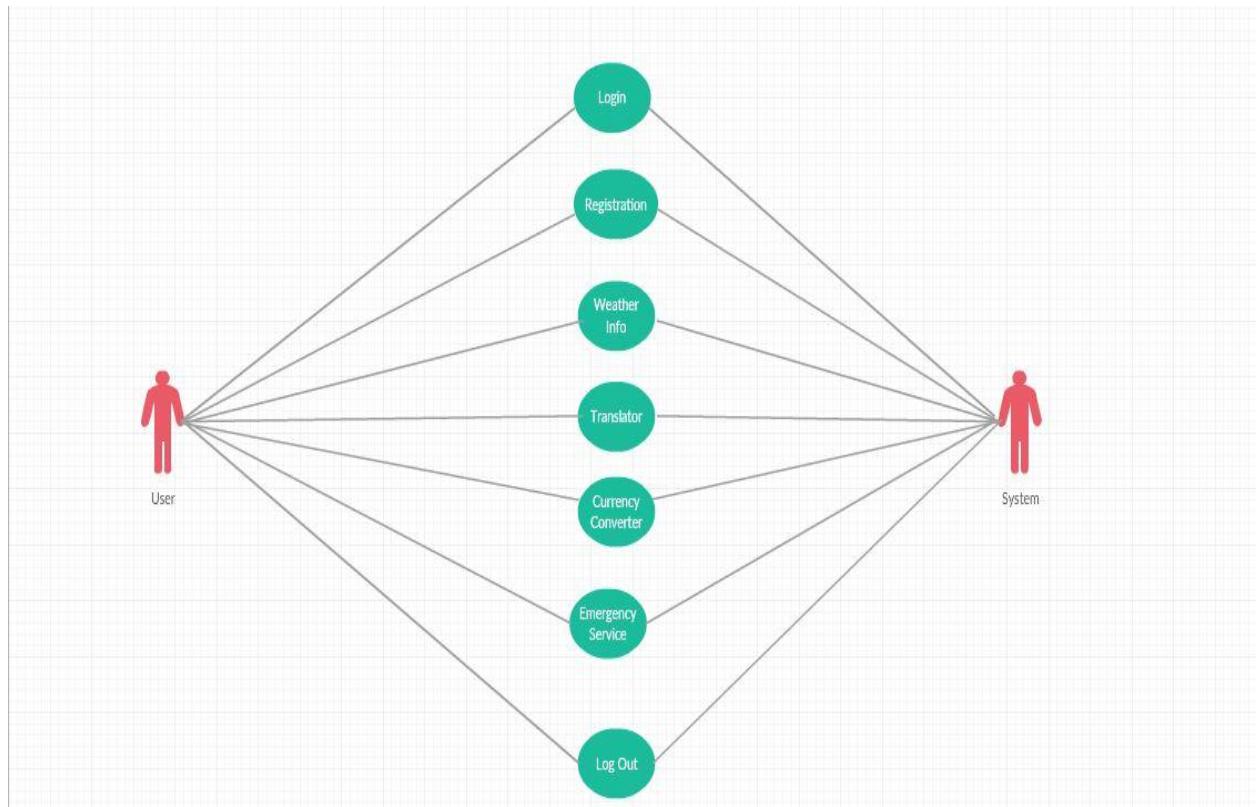


Fig: Use Case Diagram

III. Testing

Below are the test cases and their outputs.

A	B	C	D	E	F
Test Case No.	Test Case Name	Pre Conditions	Input	Expected Output	Status
1	Login with null values	if user has not entered username and password	No values	Validation will be thrown to enter details	pass
2	Registration with null values	if user has not entered any details in registration page	No values	Validation will be thrown to enter details	pass
3	Registration with invalid email id	Email must contain "@" and "." with minumum 2 characters after "."	Email = gattu	Enterd email must be shown wrong and should throw error	pass
4	Registration with invalid email id	Email must contain "@" and "." with minumum 2 characters after "."	Email = gattu@gmail	Enterd email must be shown wrong and should throw error	pass
5	Registration with invalid email id	Email must contain "@" and "." with minumum 2 characters after "."	Email = gattu@gmail.c	Enterd email must be shown wrong and should throw error	pass
6	Registration with invalid email id	Email must contain "@" and "." with minumum 2 characters after "."	Email = gattu@gmail.com	Validation is correct	pass
7	Registration with invalid email id	Email must contain "@" and "." with minumum 2 characters after "."	Email = gattu@gmail.com	validation must be thrown to say password must be minumum of 6.	pass
8	Registration with password	Password must be minumum of 6 characters	Password = samp	validation must be thrown saying password doesn't match	pass
9	Registration with wrong confirm password	Both the password and confirm password must match inorder to success	Password = sampath confirm password = sam Name: Sampath Lname: Gattu Email: gattu@gmail.com password: sampath Confirm password: sampath	Validation is correct and page must be navigated to Home Page	pass
10	Registration with all valid details	if user enters all the details correct			
11					
12					

Fig: Testing

Performance Testing

We have performed the performance test using the Yslow.

The screenshot shows the YSlow extension running on a web page titled "Travel Buddy". The extension interface includes:

- Grade:** C (Overall performance score 74)
- Ruleset:** YSlow(V2)
- Components:** Home, Grade, Components, Statistics
- Grade C on Make fewer HTTP requests:**
 - C Make fewer HTTP requests**
 - F Use a Content Delivery Network (CDN)**
 - A Avoid empty src or href**
 - F Add Expires headers**
 - F Compress components with gzip**
 - A Put CSS at top**
 - C Put JavaScript at bottom**
 - A Avoid CSS expressions**
- Message:** This page has 7 external Javascript scripts. Try combining them into one. This page has 5 external stylesheets. Try combining them into one.
- Description:** Decreasing the number of components on a page reduces the number of HTTP requests required to render the page, resulting in faster page loads. Some ways to reduce the number of components include: combine files, combine multiple scripts into one script, combine multiple CSS files into one style sheet, and use CSS Sprites and image maps.
- Read More:** A link to further information on this topic.

Welcome to TRAVEL BUDDY

Grade C Overall performance score 74 Ruleset applied: YSlow(V2) URL: http://localhost:8100/#app/main

ALL (23) FILTER BY: CONTENT (6) | COOKIE (2) | CSS (6) | IMAGES (2) | JAVASCRIPT (4) | SERVER (6)

C Make fewer HTTP requests

- F Use a Content Delivery Network (CDN)
- A Avoid empty src or href
- F Add Expires headers
- F Compress components with gzip
- A Put CSS at top
- C Put JavaScript at bottom

Grade C on Make fewer HTTP requests

This page has 7 external Javascript scripts. Try combining them into one.
This page has 5 external stylesheets. Try combining them into one.

Decreasing the number of components on a page reduces the number of HTTP requests required to render the page, resulting in faster page loads. Some ways to reduce the number of components include: combine files, combine multiple scripts into one script, combine multiple CSS files into one style sheet, and use CSS Sprites and image maps.

[»Read More](#)

Hello!!! Welcome to Language Translator

Enter Text

Translated Text

Translated Text

chrome-extension://ninejcohidippngpapiinmkglmakh/yslow.html#1220

Home Grade Components Statistics Rulesets YSlow(V2) Edit Help

Grade B Overall performance score 81 Ruleset applied: YSlow(V2) URL: http://localhost:8101/translator.html

ALL (23) FILTER BY: CONTENT (6) | COOKIE (2) | CSS (6) | IMAGES (2) | JAVASCRIPT (4) | SERVER (6)

A Make fewer HTTP requests

- F Use a Content Delivery Network (CDN)
- A Avoid empty src or href
- F Add Expires headers
- F Compress components with gzip
- A Put CSS at top
- B Put JavaScript at bottom

Grade A on Make fewer HTTP requests

This page has 4 external Javascript scripts. Try combining them into one.
This page has 3 external stylesheets. Try combining them into one.

Decreasing the number of components on a page reduces the number of HTTP requests required to render the page, resulting in faster page loads. Some ways to reduce the number of components include: combine files, combine multiple scripts into one script, combine multiple CSS files into one style sheet, and use CSS Sprites and image maps.

[»Read More](#)

IV. Implementation

This document is a report of third iteration of work performed on the Travel Buddy Mobile App. The document emphasizes on the details of the app and the progress of the work done so far in developing the app. This document intends to provide an overall description of the project named “Travel Buddy” in detail.

The outcome of the third increment is Currency Converter, Twitter API and Weather and temperature Information integration of services and deployment of the application in Ionic platform.

In this phase of the project we have used the mentioned APIs to integrate the feature of Twitter API and Weather API based on the location. The module of Currency Converter is developed has been integrated into the application. All these modules along with Login page and Registration page which was web app is also developed in Ionic platform.

V. Deployment

Login Page:

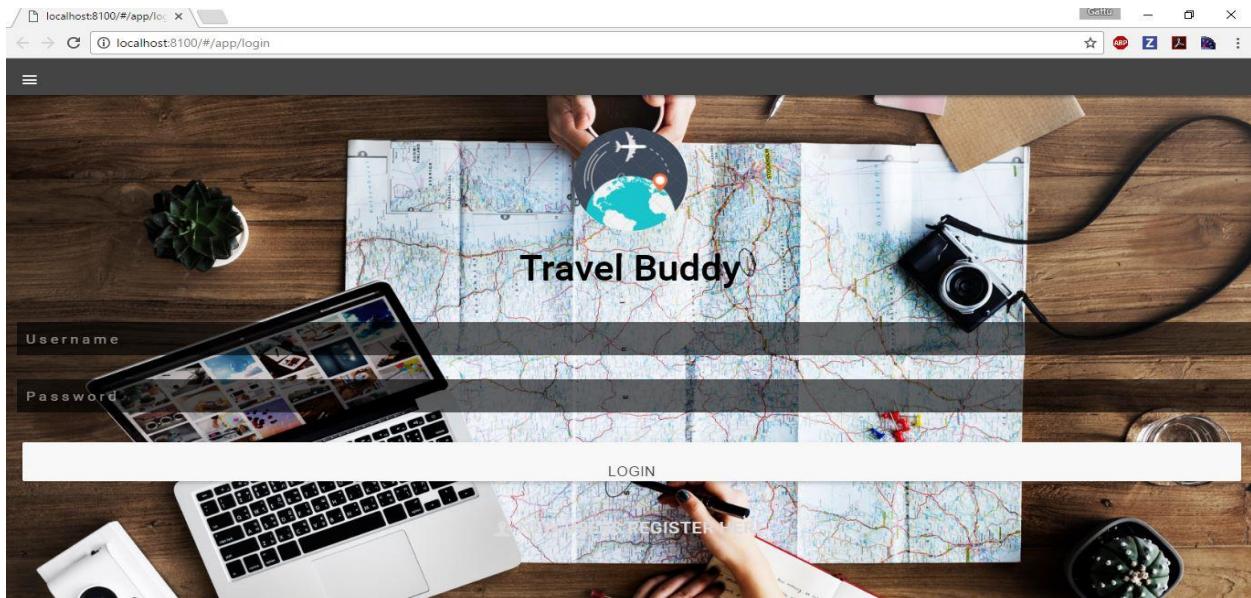


Fig: Web-Login

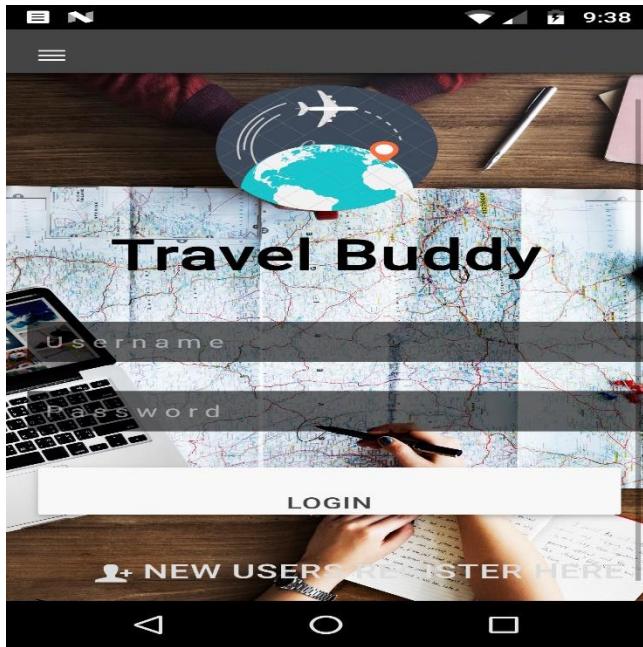


Fig: Android-Login

Registration Page:

A screenshot of a web browser displaying the 'Travel Buddy' registration page. The address bar shows 'localhost:8100/#app/register'. The page has a header 'Welcome to TRAVEL BUDDY' with a logo. Below the header are five input fields: 'Enter your Name', 'Choose Username', 'Choose Password', 'Confirm Password', and 'Enter Email'. At the bottom right is a 'SIGN UP' button.

Fig: Web-Registration

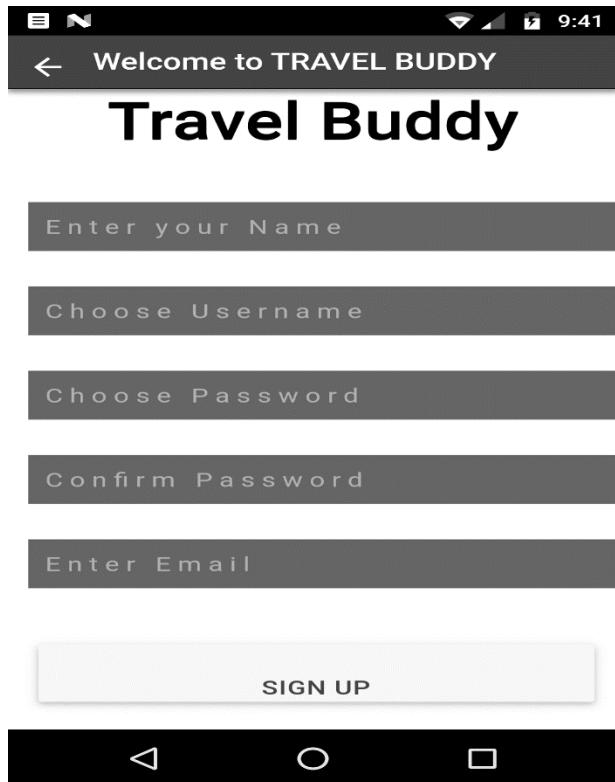


Fig: Android-Registration

Home Page

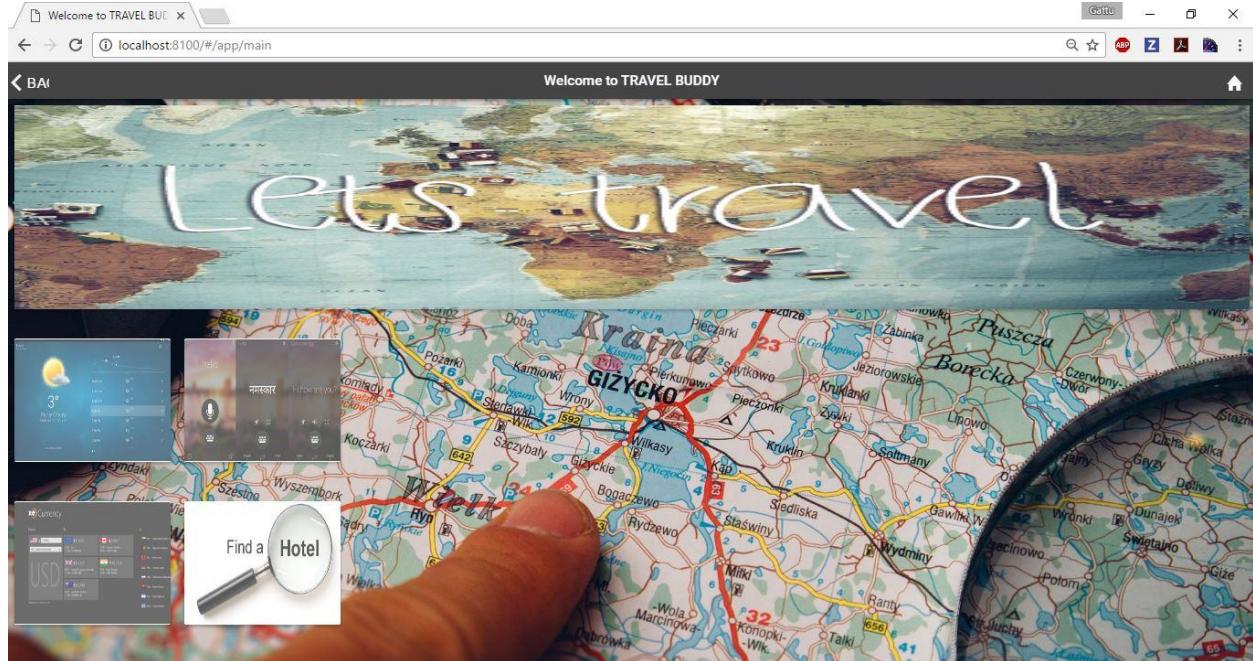
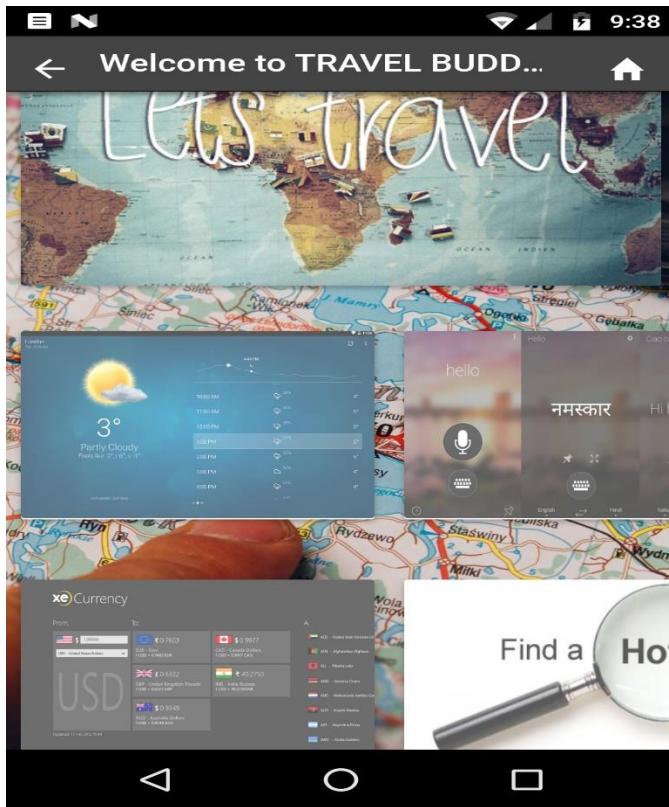
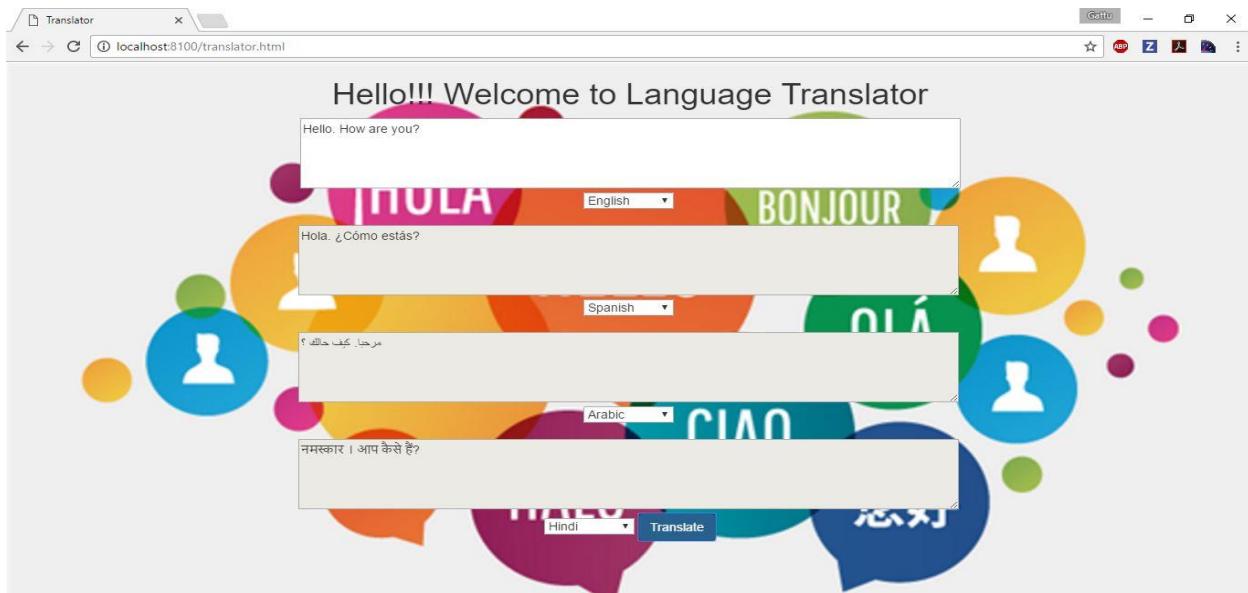
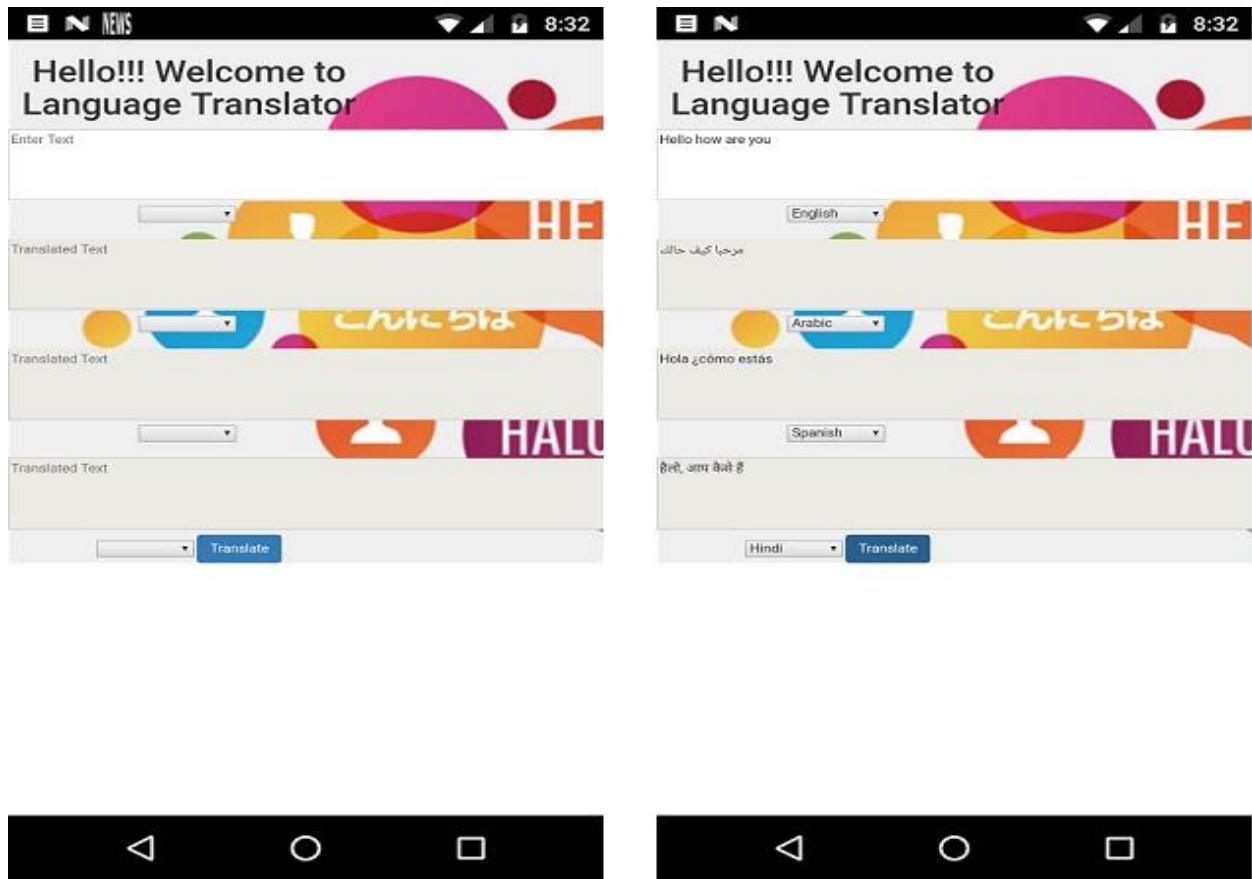
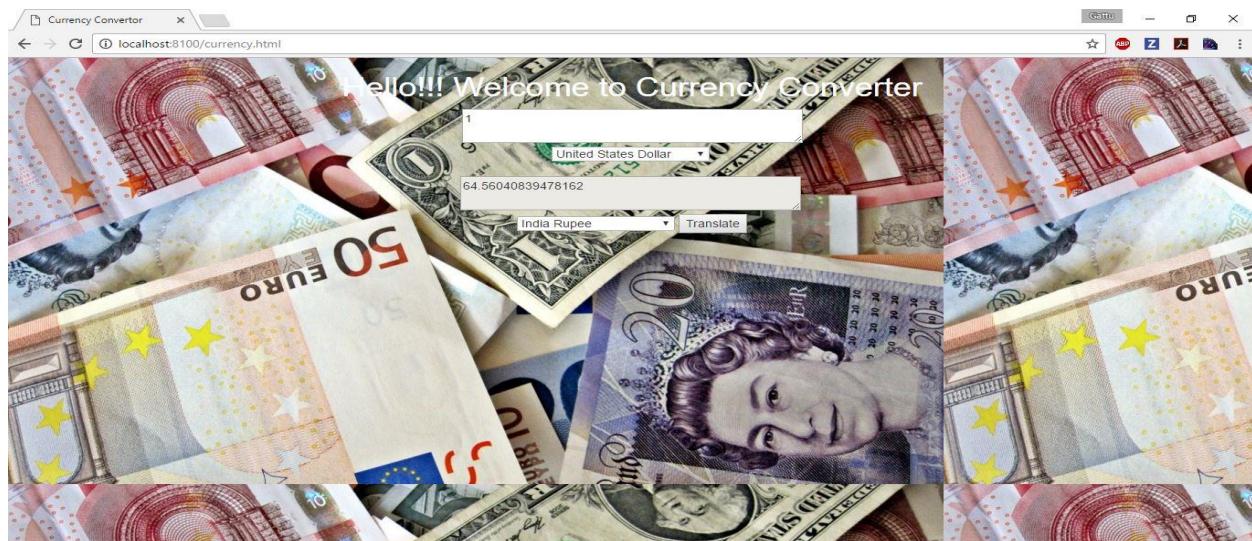


Fig: Web-Home

**Fig:** Android Home

Language Translator

**Fig:** Web-Language-Translator

**Fig:** Android-Language- Translator**Currency Converter:****Fig:** Web Currency Converter

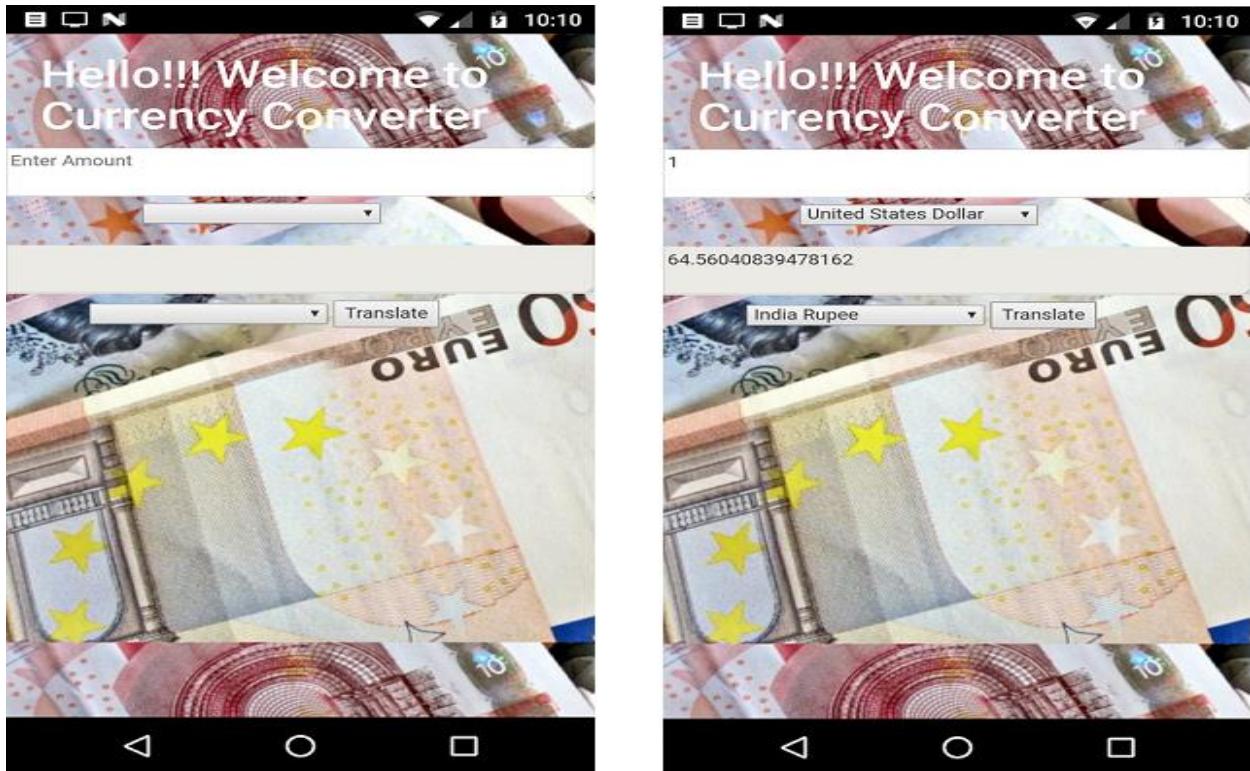
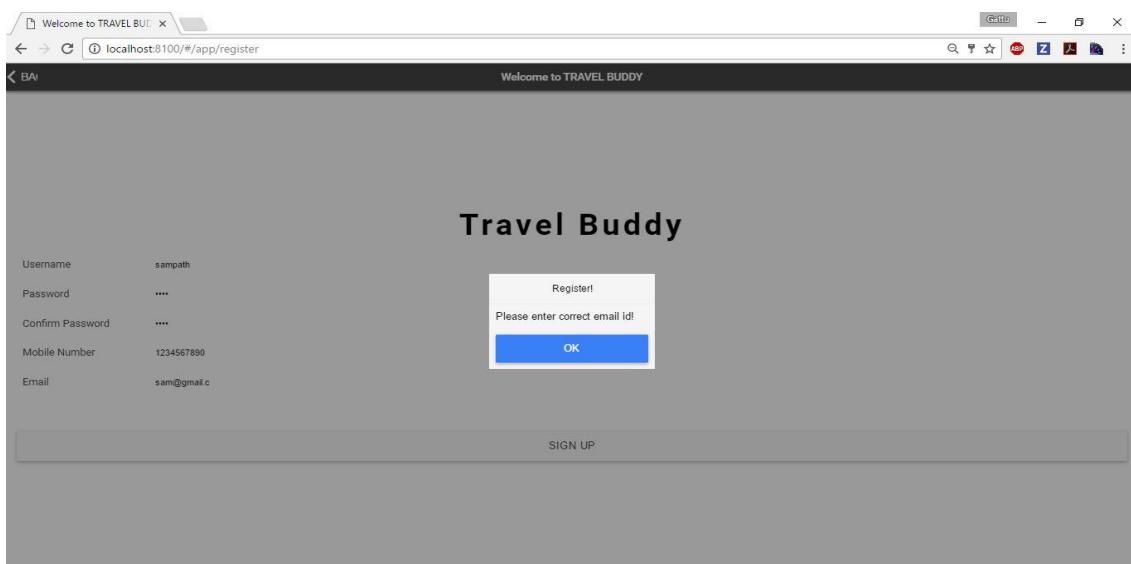
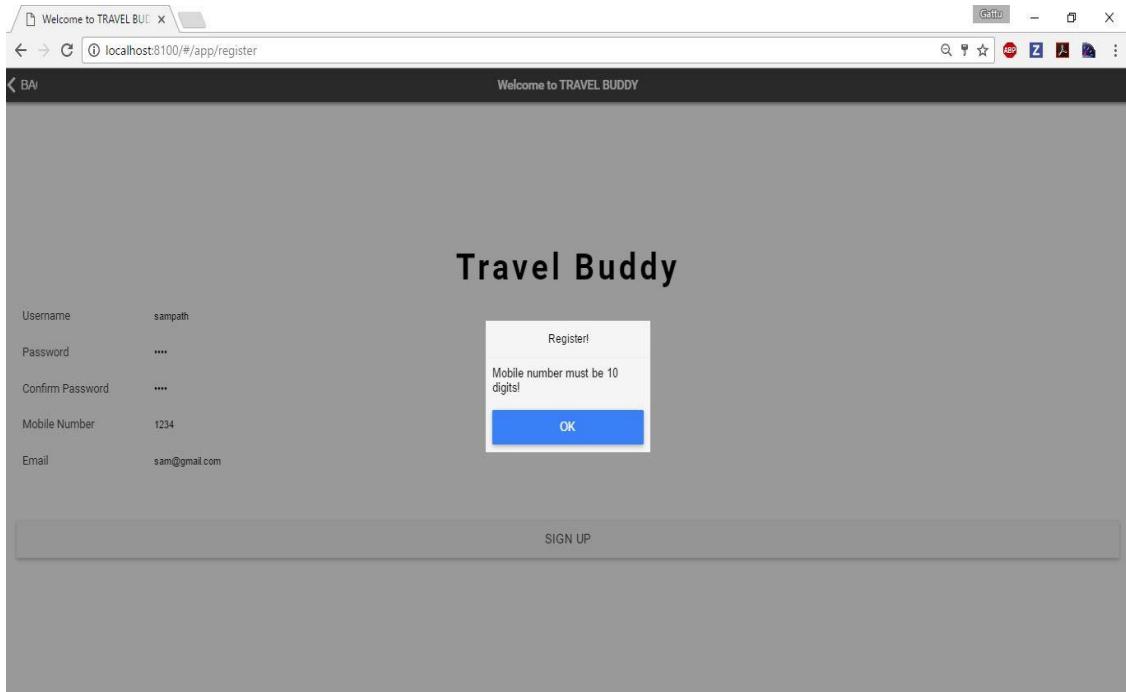
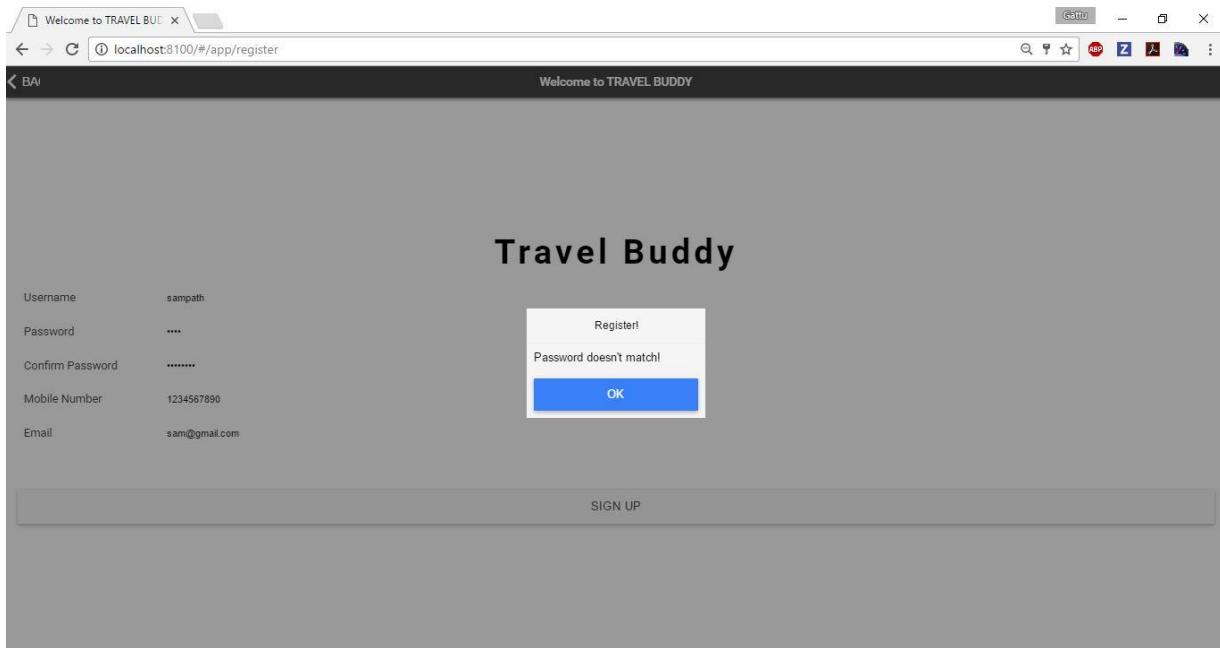
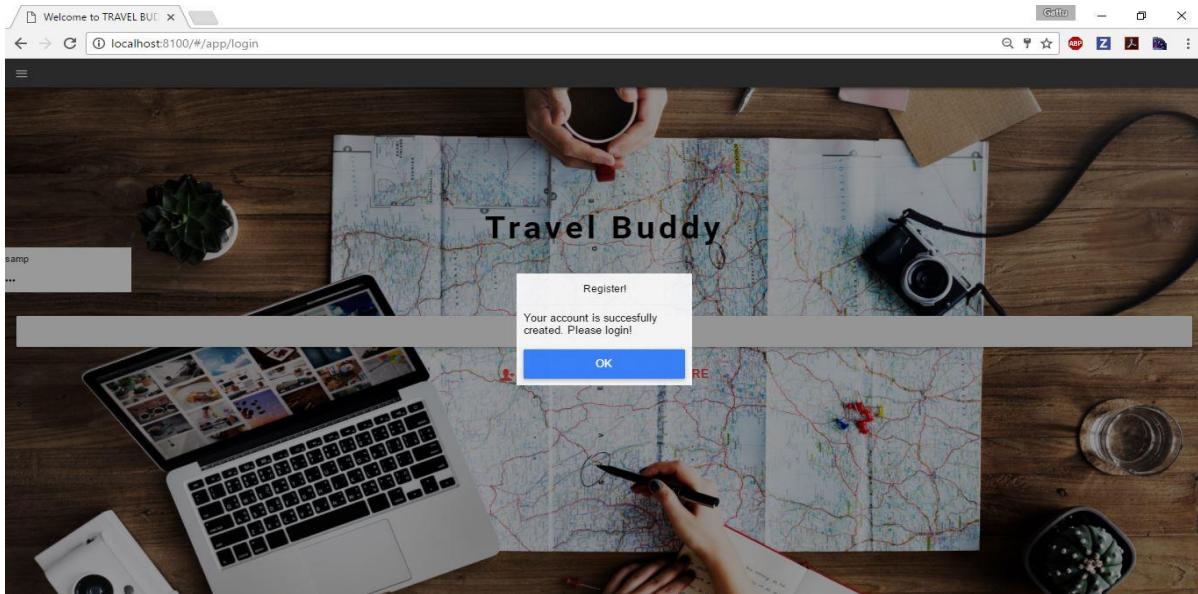


Fig: Android-Currency-Converter

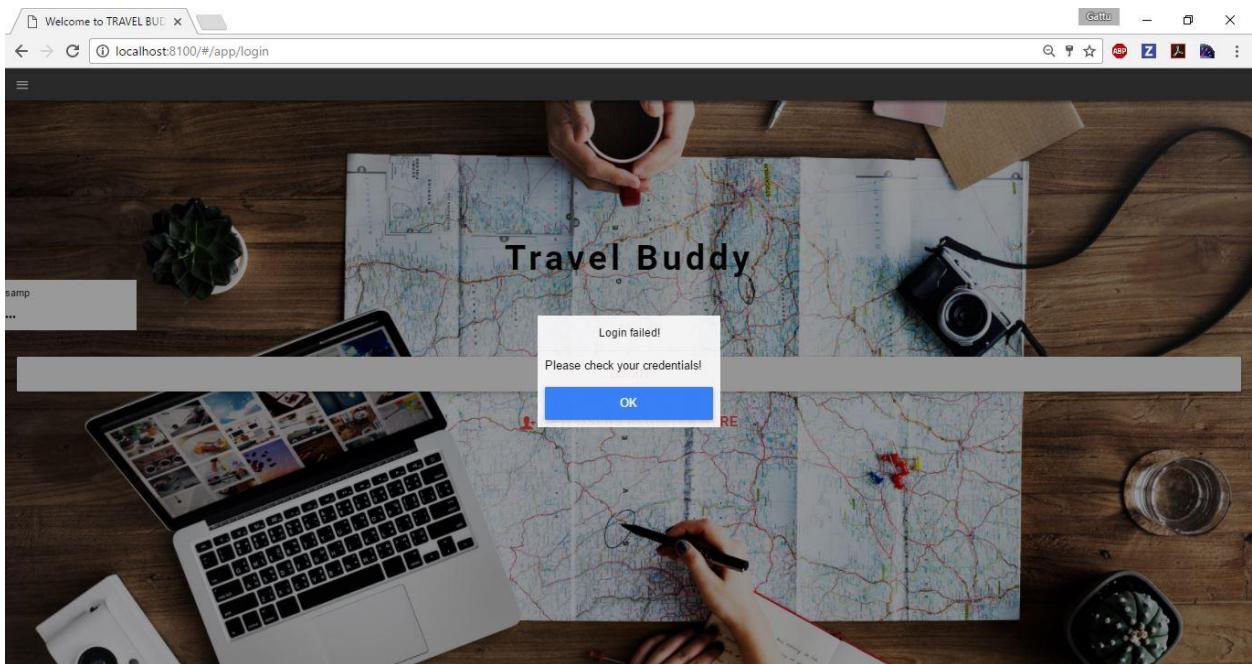
Email Validation:



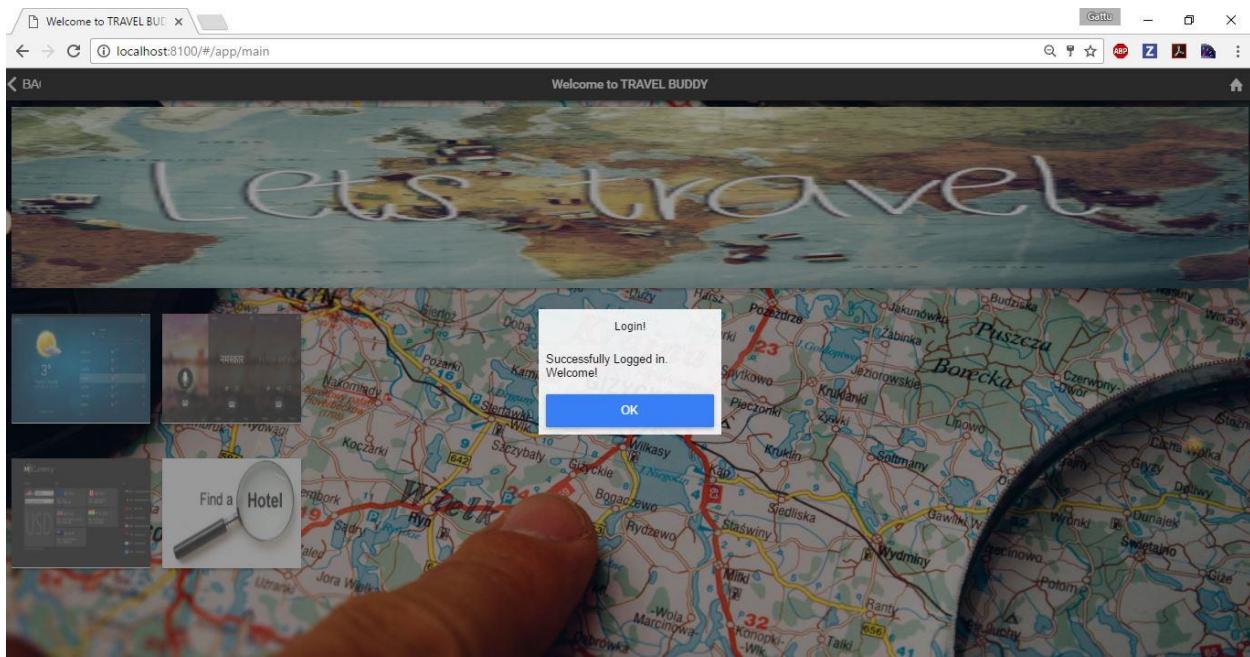
Mobile Validation:**Password Validation:****Successful Registration:**



Unsuccessful Login:



Successful Login:



Mlab Initial Without any documents:

Home : { db : "asedemo" }
Collection: users

WELCOME PLANS & PRICING PLAN COMPARISON DOCS & SUPPORT ACCOUNT LOG OUT

{ user: "sampahto", account: "Sampath" }

Documents

Indexes Stats Tools

-- Start new search -- ▾

All Documents
[None at this time]

Documents (aka Objects)

From the "Documents" tab you can browse and search for objects in this collection. All standard query constructs are supported except for map/reduce queries. To use map/reduce, use the MongoDB shell (note that temporary result collections will be viewable in mLab).

You can also add, edit, and delete individual documents from here. Bulk collection updates are not yet supported in this UI (although they are supported in the shell).

Mlab after 1 successful registration:

Home : { db : "asedemo" } Collection: users

Documents Indexes Stats Tools

Documents

— Start new search —

All Documents

Display mode: list table (edit table view)

records / page: 10 [1 - 1 of 1]

```
{
  "_id": "55a2f3a2e0b0a0a0a0a0a0a0",
  "username": "sam",
  "password": "sam",
  "cpassword": "sam",
  "mobile": "+1234567890",
  "email": "sam@gmail.com"
}
```

records / page: 10 [1 - 1 of 1]

Documents (aka Objects)

From the 'Documents' tab you can browse and search for objects in this collection. All standard query constructs are supported except for map/reduce queries. To use map/reduce, use the MongoDB shell (note that temporary result collections will be viewable in mLab).

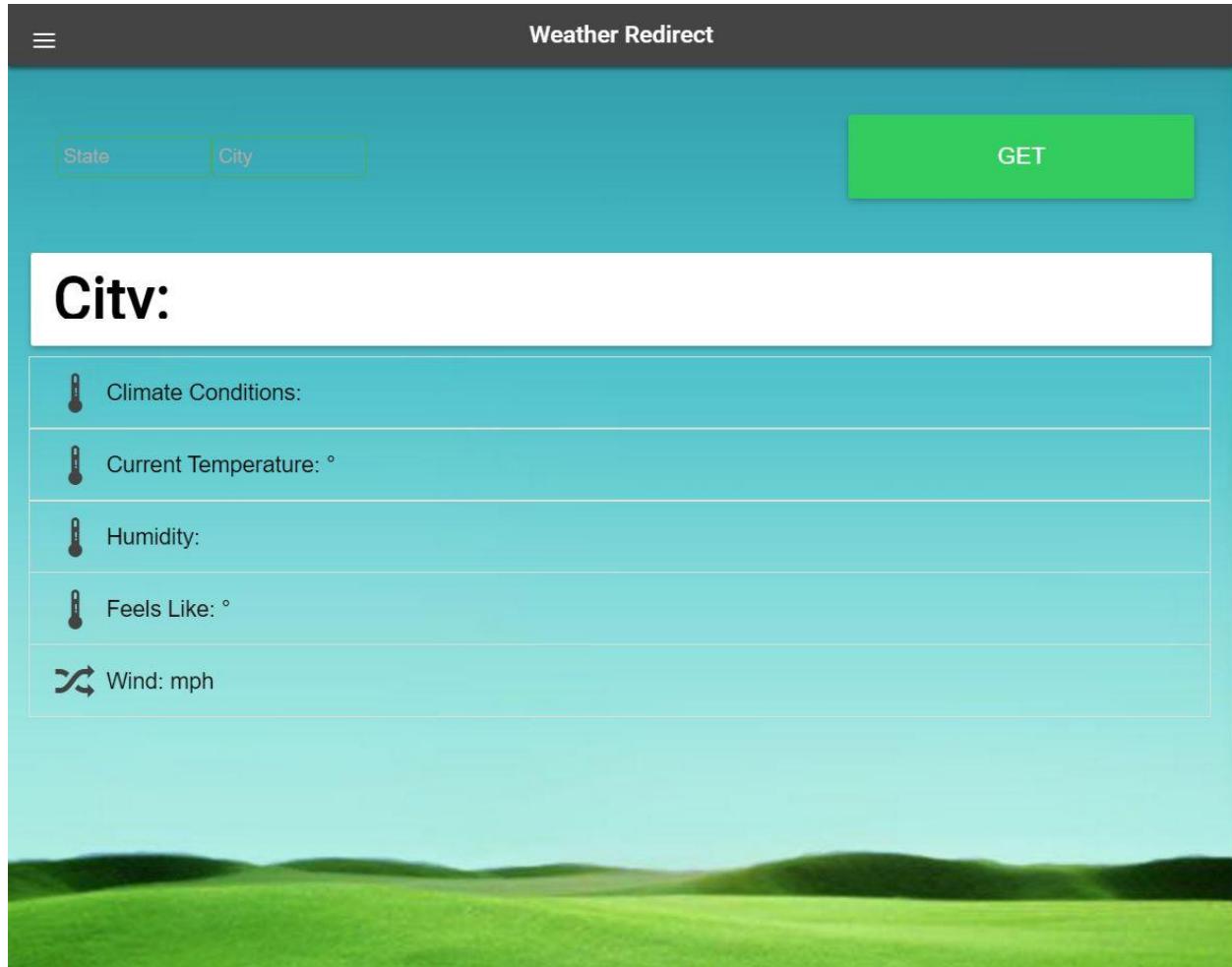
You can also add, edit, and delete individual documents from here. Bulk collection updates are not yet supported in this UI (although they are supported in the shell).

WEATHER REDIRECT

For this project, we have used **weatherunderground api** for retrieving the weather conditions for a place given by the user. Our weather page provides information about the climate conditions, temperature, wind speed, humidity, visibility, also a link is provided for some additional information.

The below image shows the weather page accessed by pressing on the weather image in the home page of the application.

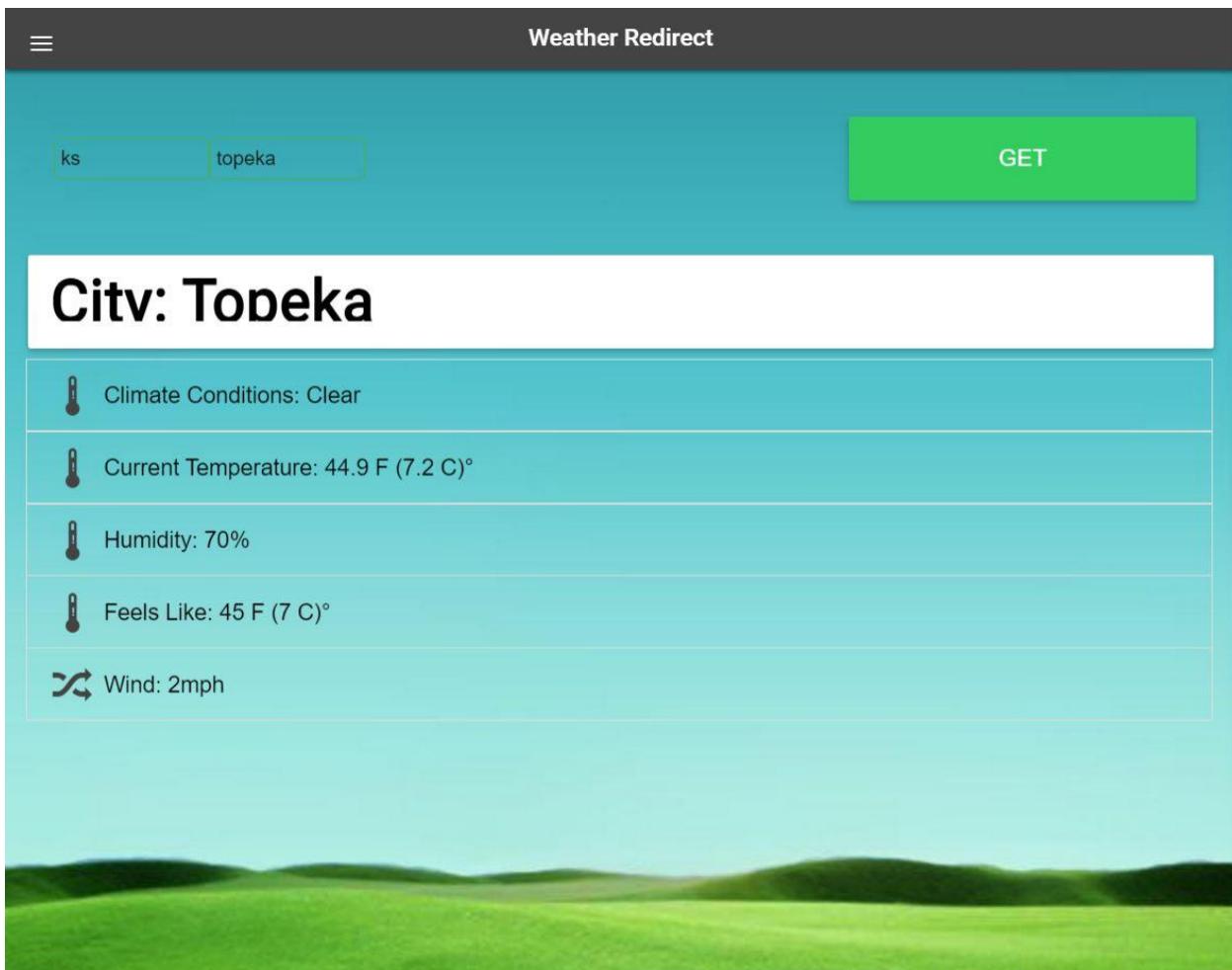
Web View:

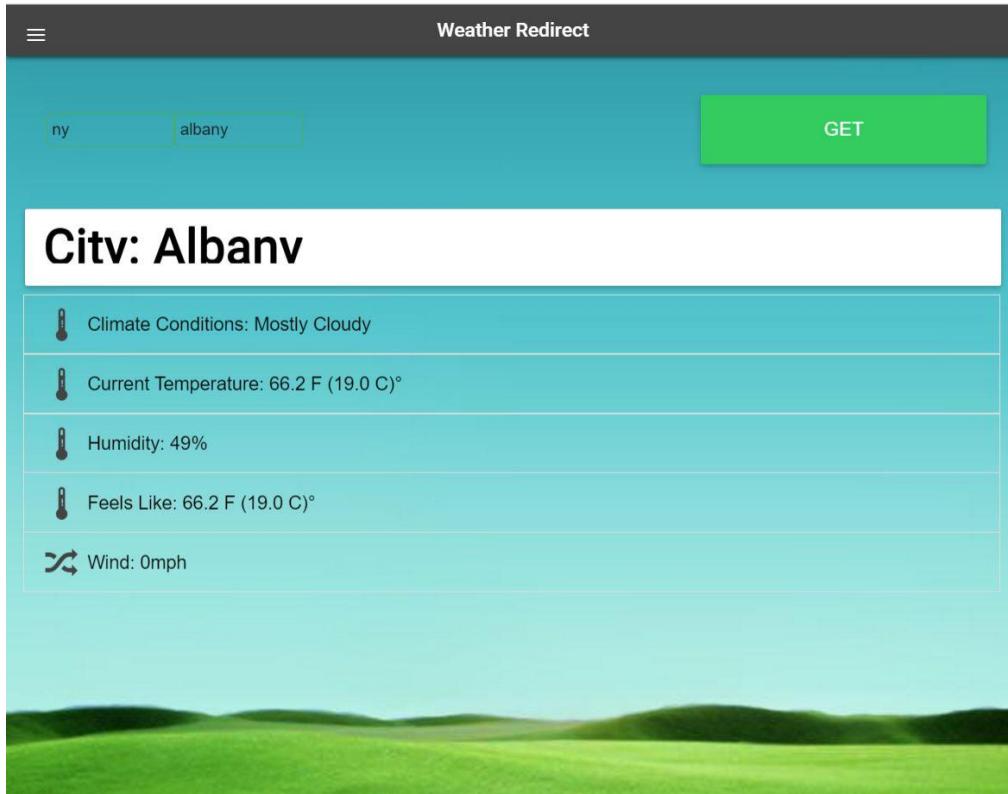
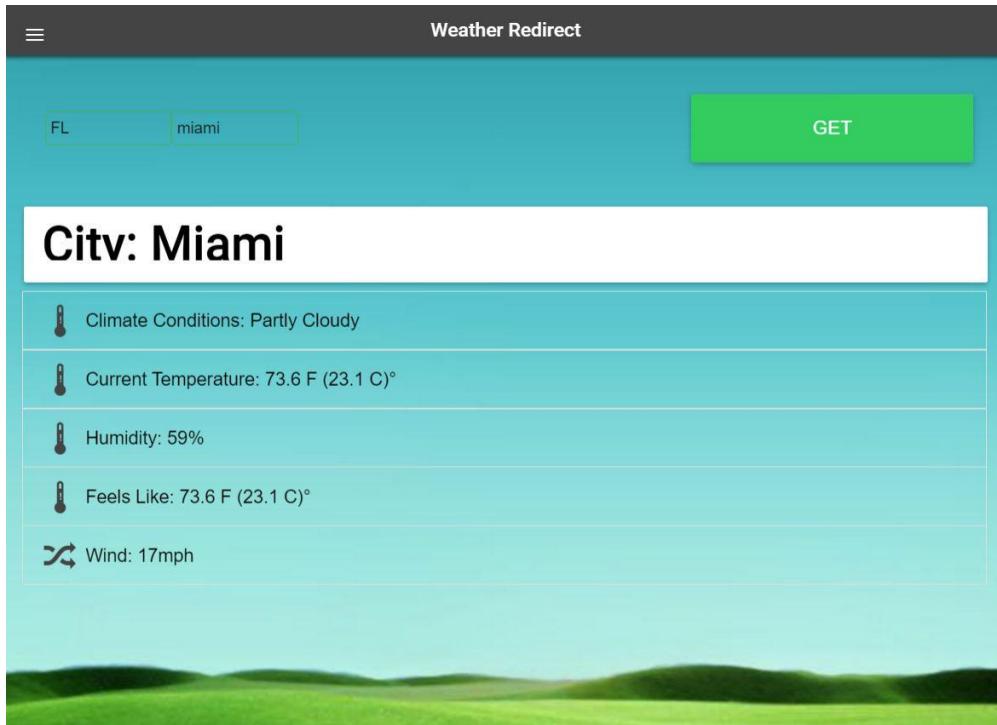


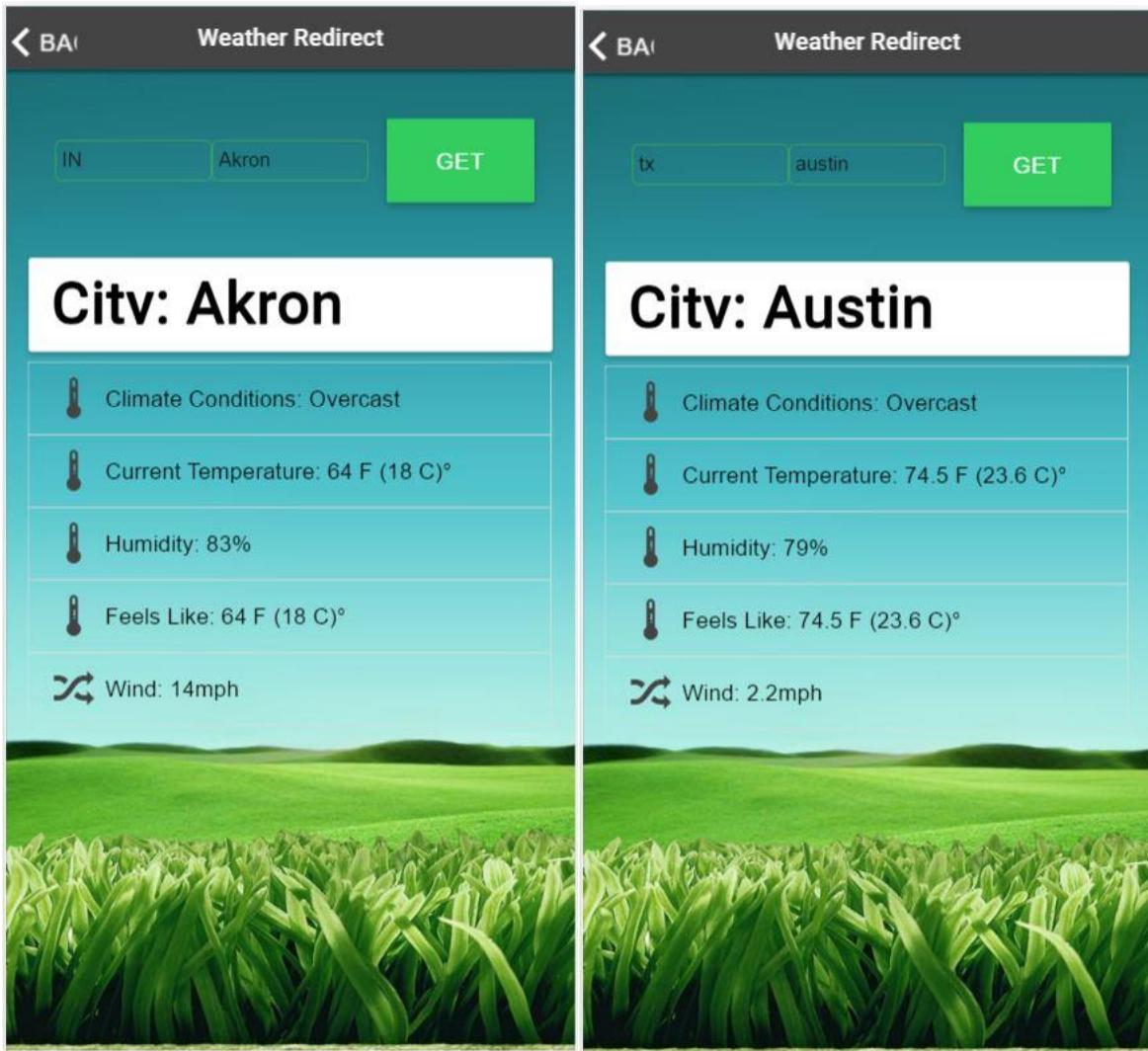
Android View:



Sample outputs of app

Web View:



Android View:

BAI Weather Redirect

mo kansas city GET

City: Kansas City

- Climate Conditions: Overcast
- Current Temperature: 48.9 F (9.4 C)°
- Humidity: 70%
- Feels Like: 46 F (8 C)°

Wind: 6mph



Weather Redirect

FL miami GET

City: Miami

- Climate Conditions: Partly Cloudy
- Current Temperature: 73.6 F (23.1 C)°
- Humidity: 59%
- Feels Like: 73.6 F (23.1 C)°

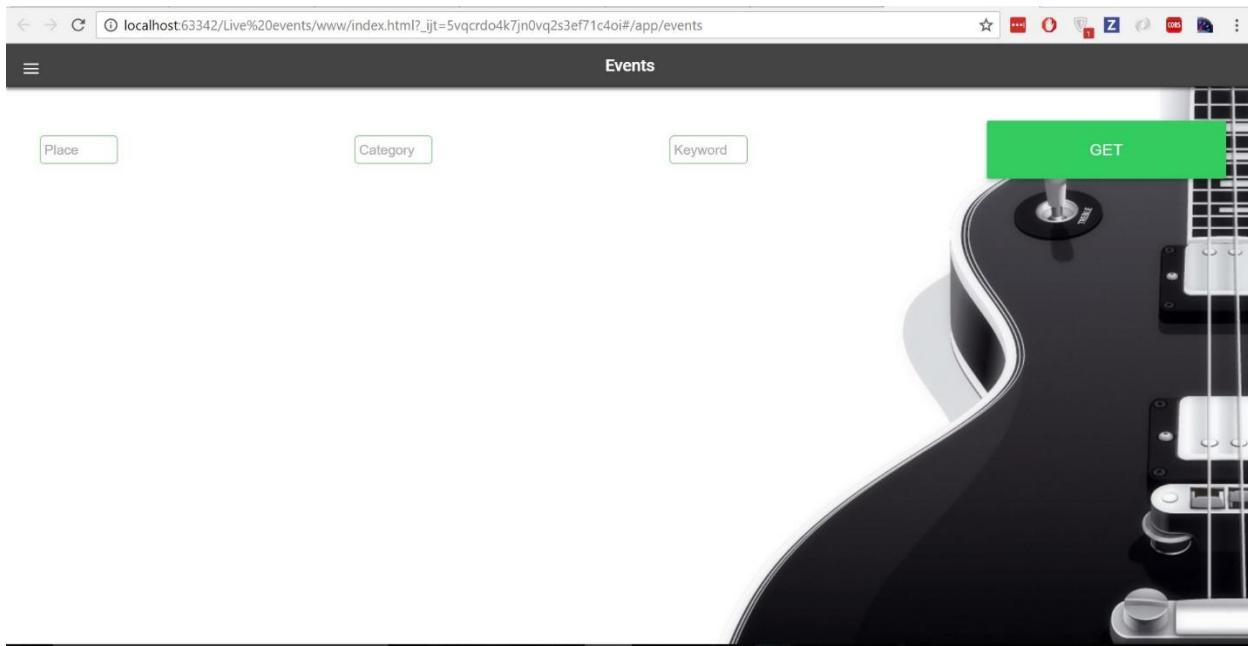
Wind: 17mph





EVENTS

The events page in this application, returns all the live events taking place according to the user's input. The user is required to enter the details of city, category and keyword. We have used "**Eventful API**" for this purpose. This page returns information about the time, date, venue address along with the option for the users to give reviews to any event. Some of the sample screenshots of this page are shown below.

Web View:**Home Page**

The screenshot shows the results for the search query. At the top, it displays the search filters: 'Place: Dallas', 'Category: Music', and 'Keyword: Hiphop'. Below this is a green 'GET' button. The main content area features a large image of a guitar neck. Overlaid on the guitar are details for an event: 'Vans Warped Tour 2017'. It includes a thumbnail image of the tour logo, the date 'Time: 2017-07-28 12:00:00', the venue name 'Venue Name: Starplex Pavilion (formerly Gexa Energy Pavilion)', the address 'Venue Address: 1818 First Avenue', the city 'City: Dallas', and the venue URL 'Venue URL: http://dallas.eventful.com/venues/starplex-pavilion-formerly-gexa-energy-pavilion-/V0-001-001438006-3?utm_source=apim&utm_medium=apim&utm_campaign=apic'.

localhost:63342/Live%20events/www/index.html?_ijt=5vqcrdo4k7jn0vq2s3ef71c4oi#/app/events

Events

DFW Music Festival: K-Ci & JoJo, 112, Next, Bun B, Scarface, Mike Jones



Time: 2017-04-29 20:00:00

Venue Name: Verizon Theatre at Grand Prairie

Venue Address: 1001 Performance Place

City: Grand Prairie

Venue URL: http://dallas.eventful.com/venues/verizon-theatre-at-grand-prairie/V0-001-000921556-1?utm_source=apis&utm_medium=apim&utm_campaign=apic

Reviews:

Name

Email

Mobile

Add Reviews

SHARE

localhost:63342/Live%20events/www/index.html?_ijt=5vqcrdo4k7jn0vq2s3ef71c4oi#/app/events

Events

Kansas City Dance

Salsa at The Kill Devil Club



Time: 2017-04-28 21:00:00

Venue Name: The Kill Devil Club

Venue Address: 31 E 14th Street

City: Kansas City

Venue URL: http://kansascity.eventful.com/venues/the-kill-devil-club/V0-001-006427982-3?utm_source=apis&utm_medium=apim&utm_campaign=apic

Reviews:

Name

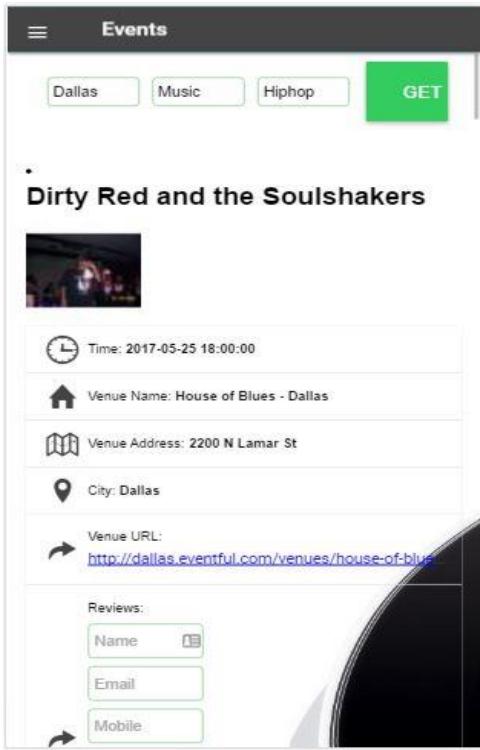
Email

Mobile

Add Reviews

SHARE

Phone View:



ATTRACTIOnS

The attractions page of this application returns information about location of museums, theatres along with many other interesting locations. Also it displays the weather information and address of each location. Some of the sample screenshots of this page are shown below.

Web View:

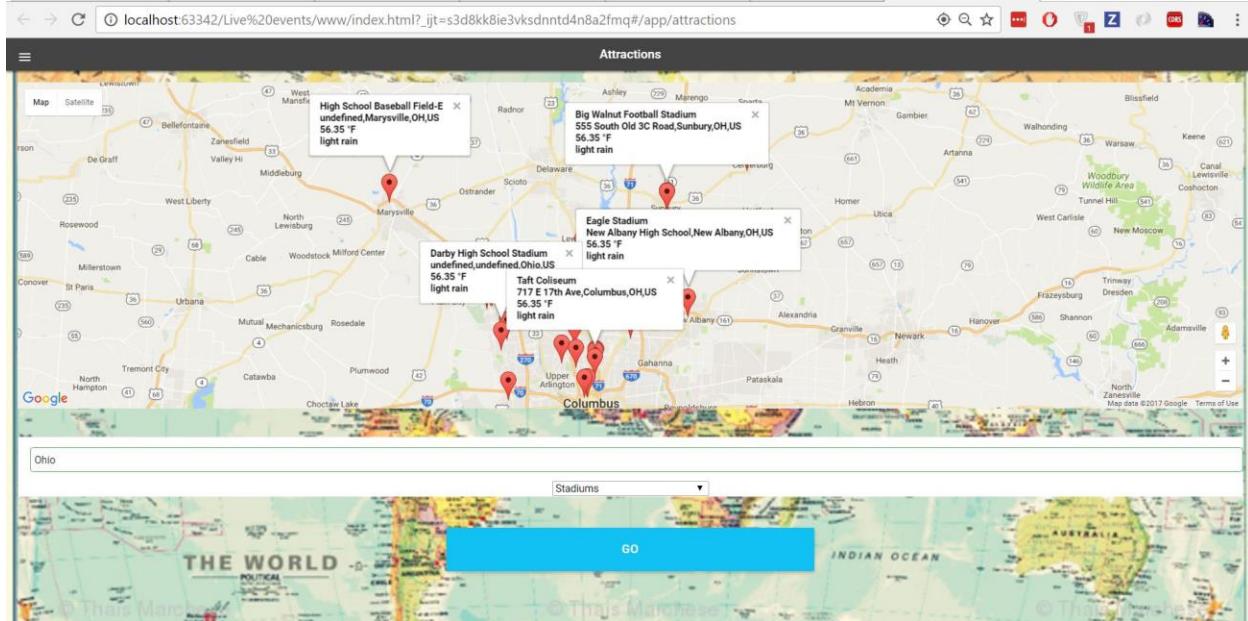
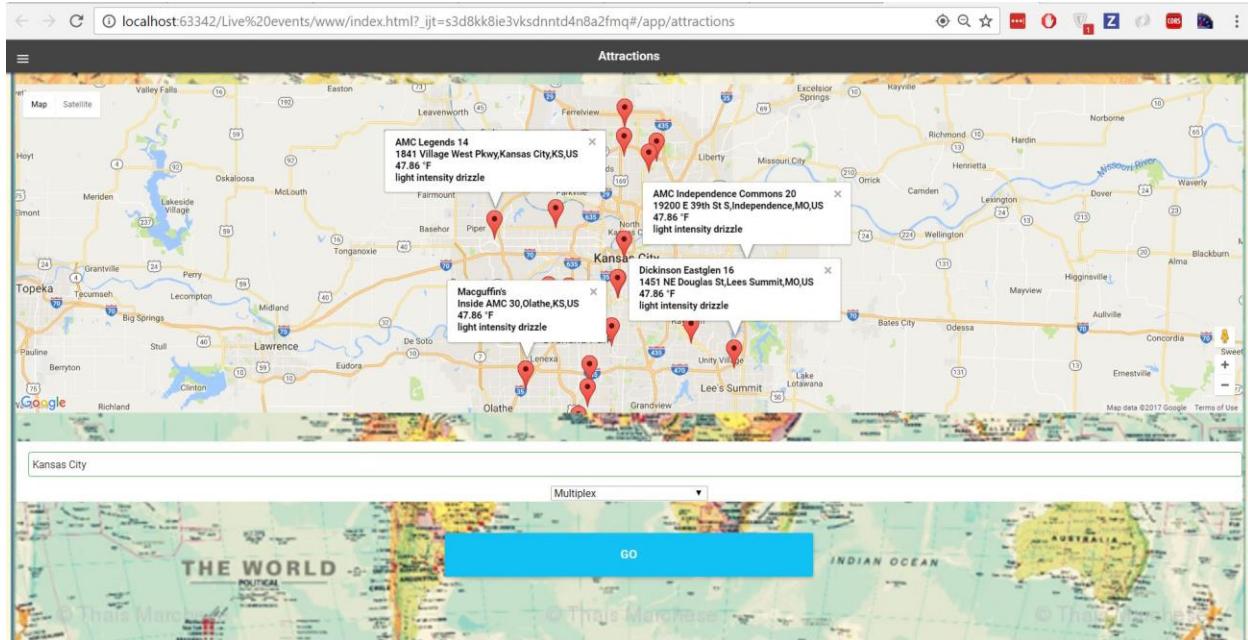
The image contains two screenshots of a web-based map application showing attraction points in Dallas, Texas, and Kansas City, Missouri.

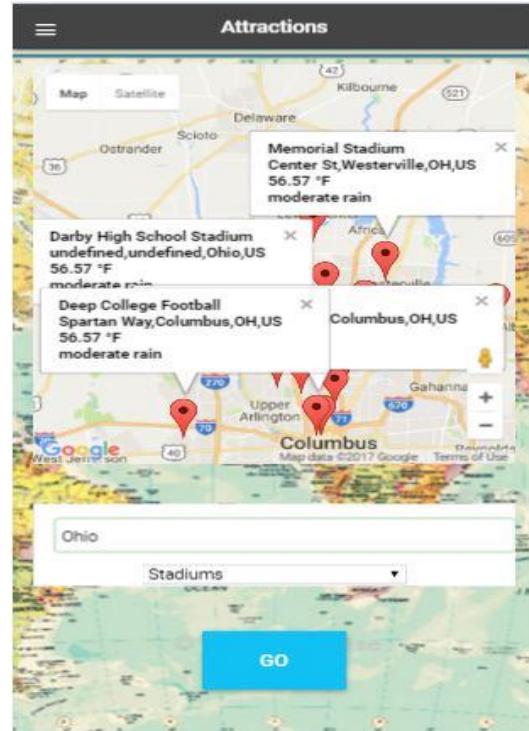
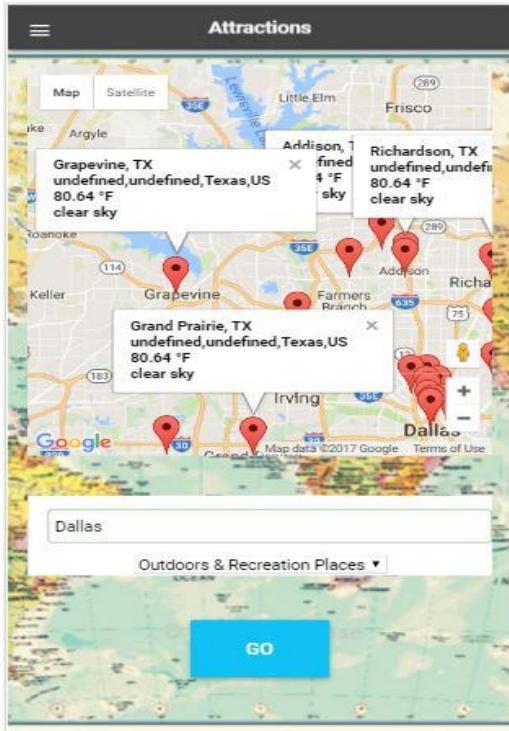
Screenshot 1: Dallas Attractions

- The map shows various locations in the Dallas/Fort Worth area, each marked with a red pin and a callout box providing details:
 - Grapevine, TX: undefined, undefined, Texas, US; 80.64 °F; clear sky
 - Lake Carolyn Promenade, Irving, TX: undefined, undefined, Texas, US; 80.64 °F; clear sky
 - Dallas Arboretum and Botanical Garden: 8525 Garland Rd, Dallas, TX, US; 80.64 °F; clear sky
 - City Center District: undefined, Dallas, TX, US; 80.64 °F; clear sky
 - Grand Prairie, TX: undefined, undefined, Texas, US; 80.64 °F; clear sky
 - City of Arlington: undefined, undefined, Texas, US; 80.64 °F; clear sky
 - Lake Ray Hubbard: Lake Ray Hubbard, Dallas, TX, US; 80.64 °F; clear sky
- A search bar at the bottom left is set to "Dallas".
- An "Outdoors & Recreation Places" dropdown menu is visible.

Screenshot 2: Kansas City Attractions

- The map shows various locations in the Kansas City area, each marked with a red pin and a callout box providing details:
 - Lakeside Village: undefined, undefined, Missouri, US; 80.64 °F; clear sky
 - Platte Woods: undefined, undefined, Missouri, US; 80.64 °F; clear sky
 - Piper: undefined, undefined, Missouri, US; 80.64 °F; clear sky
 - North Kansas City: undefined, undefined, Missouri, US; 80.64 °F; clear sky
 - Independence: undefined, undefined, Missouri, US; 80.64 °F; clear sky
 - Shawnee: undefined, undefined, Missouri, US; 80.64 °F; clear sky
 - Overland Park: undefined, undefined, Missouri, US; 80.64 °F; clear sky
 - Lenexa: undefined, undefined, Missouri, US; 80.64 °F; clear sky
 - Raytown: undefined, undefined, Missouri, US; 80.64 °F; clear sky
 - Blue Springs: undefined, undefined, Missouri, US; 80.64 °F; clear sky
 - Unity Valley: undefined, undefined, Missouri, US; 80.64 °F; clear sky
 - Lee's Summit: undefined, undefined, Missouri, US; 80.64 °F; clear sky
 - Grandview: undefined, undefined, Missouri, US; 80.64 °F; clear sky
 - Loch Lard: undefined, undefined, Missouri, US; 80.64 °F; clear sky
 - Unity Valley: undefined, undefined, Missouri, US; 80.64 °F; clear sky
 - Lone Jack: undefined, undefined, Missouri, US; 80.64 °F; clear sky
- A search bar at the bottom left is set to "Kansas City".
- An "Multiplex" dropdown menu is visible.



Android View:

Hotel search

Travel buddy provide users option of hotel search by implementing google places API . User has to provide the place details. It shows the hotels near by

Nearby Search Requests

```
service = new google.maps.places.PlacesService(map);
service.nearbySearch(request, callback);
```

Auto complete places

```
var input = document.getElementById('searchTextField');
var options = {
  bounds: defaultBounds,
  types: ['establishment']
};

autocomplete = new google.maps.places.Autocomplete(input, options);
```

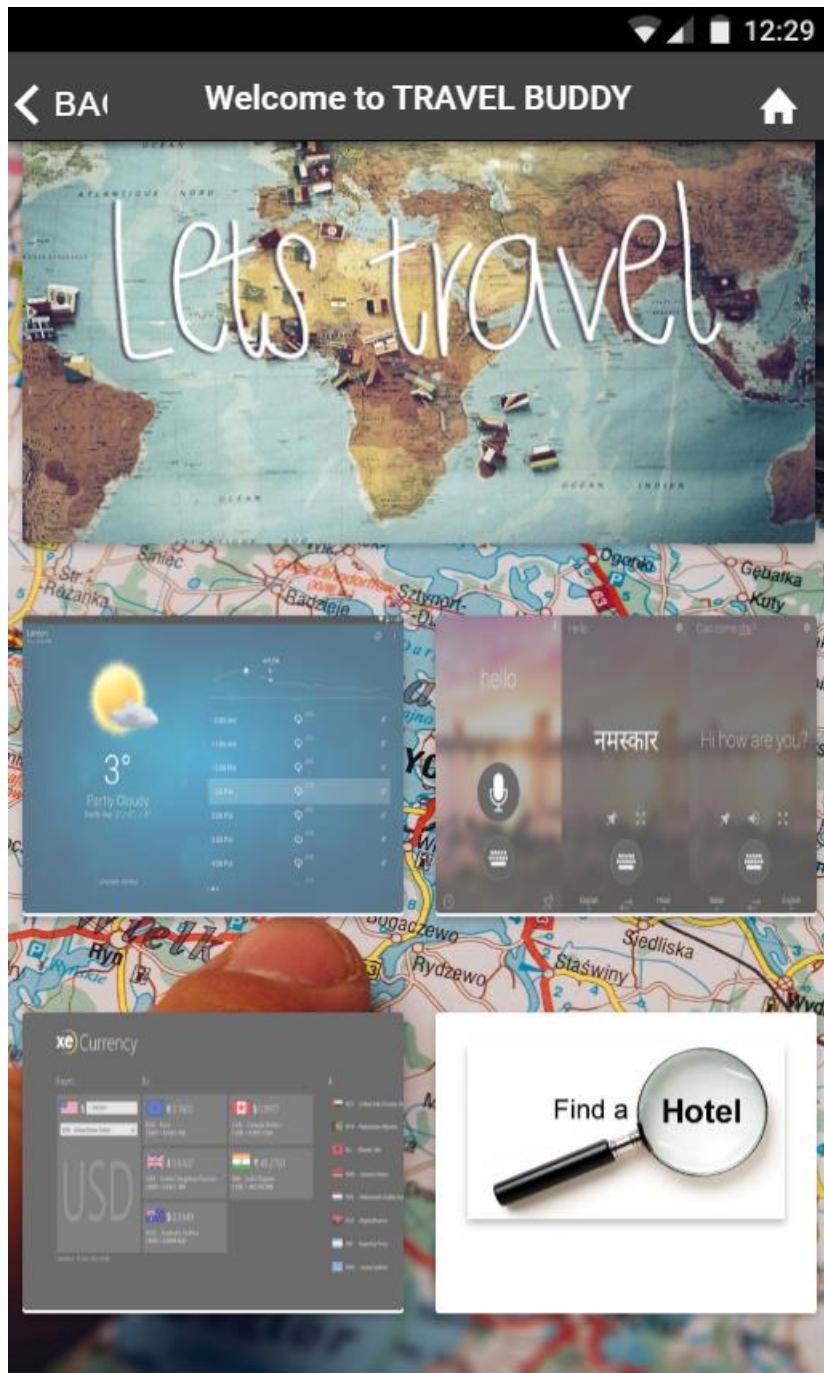
Twitter Timeline : we used twitter search API to implement twitter timeline with hashtags . we can collect tweets filter using hashtags .

```
twtr.widgets.createTimeline(
  "600756918018179072",
  document.getElementById("container"),
  {
    height: 400
  }
);
```

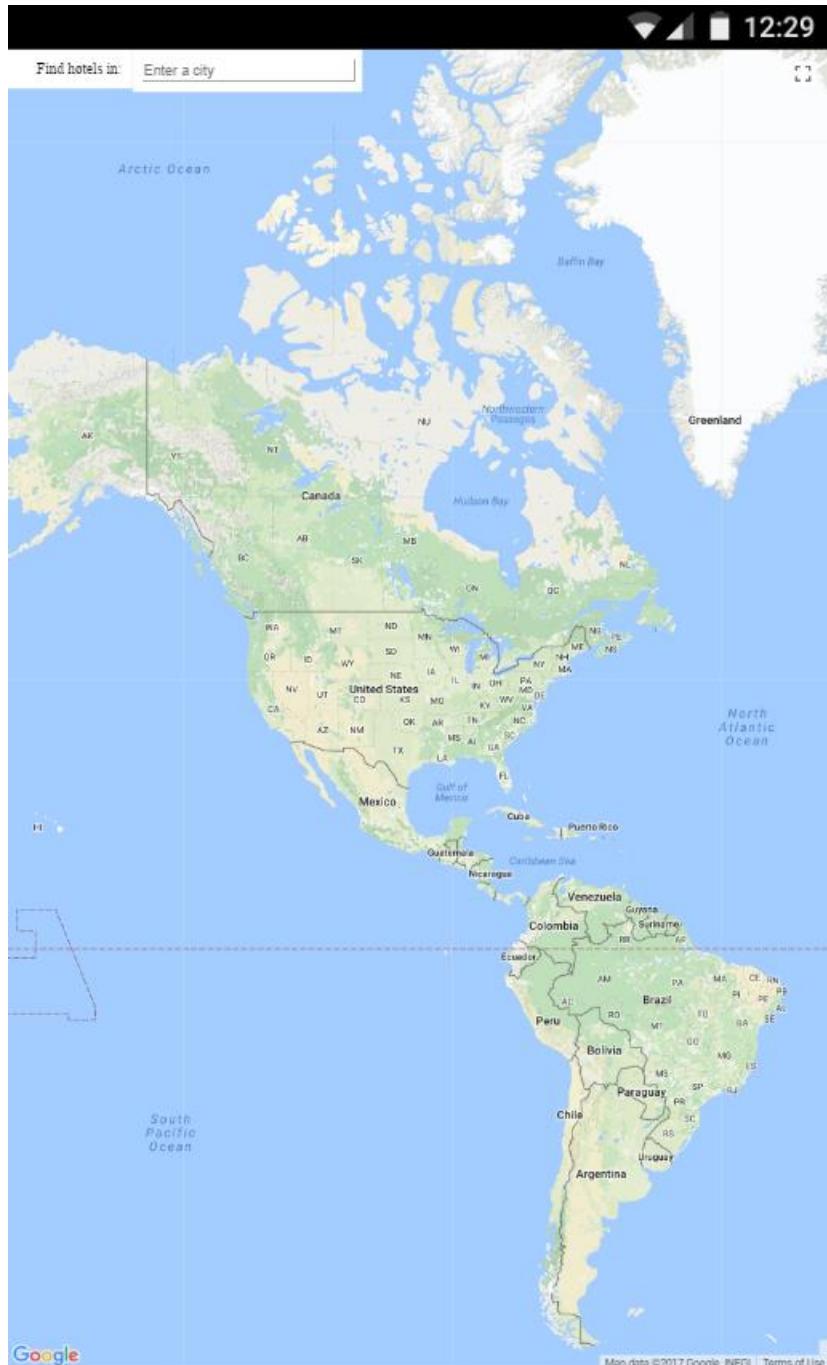
Ionic Implementation : ionic is an open source SDK used to build hybrid apps . hybrid apps can run both on web and ios/android devices.

We used google maps API and google places API to implement hotel search .

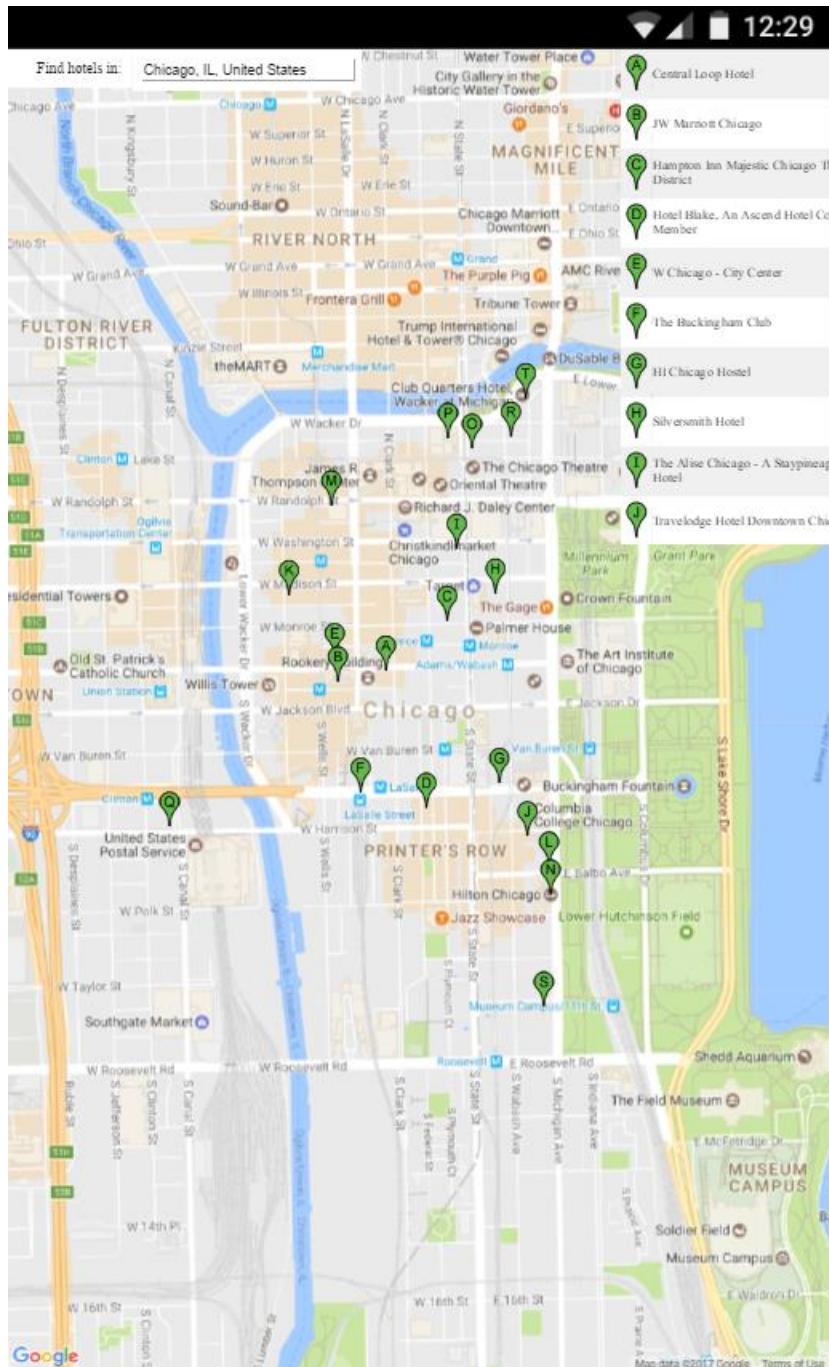




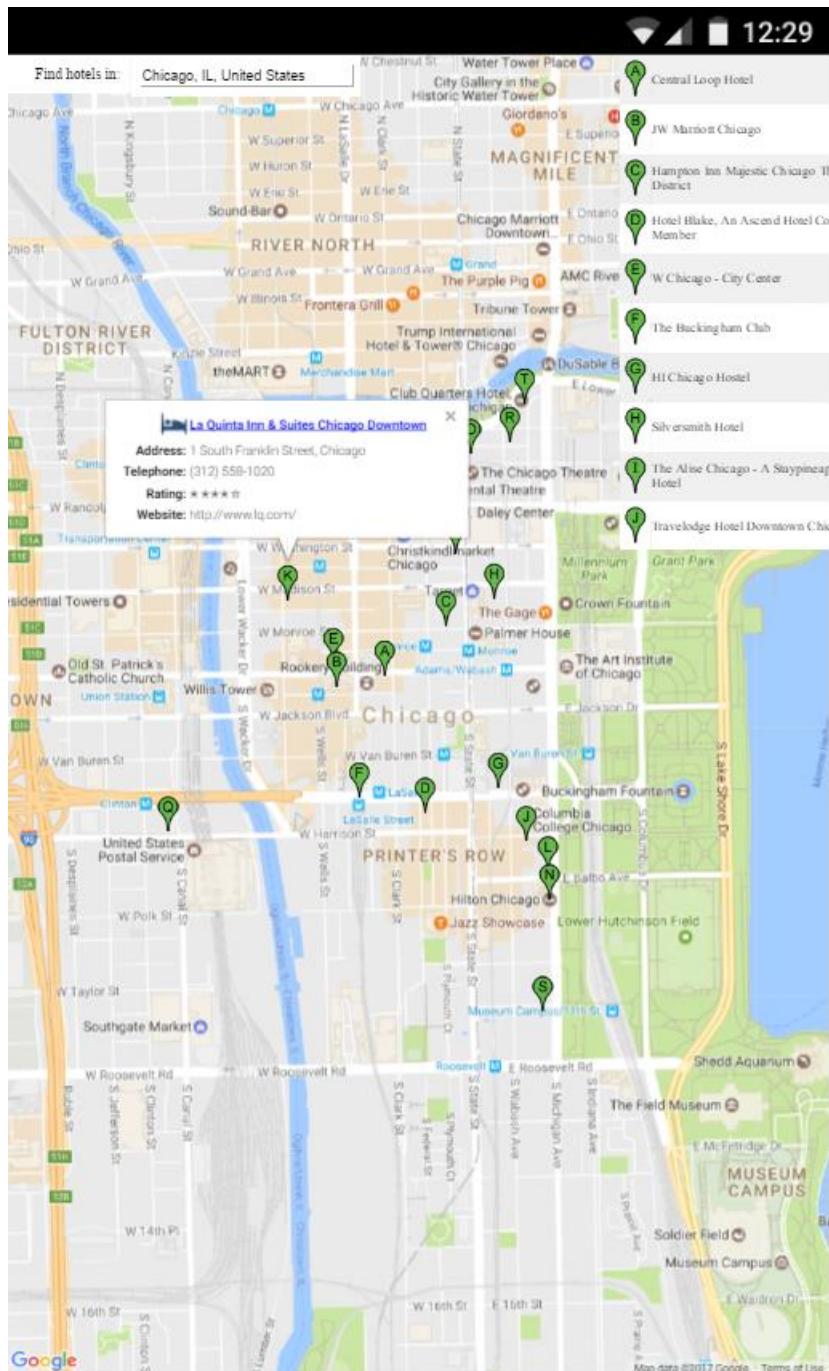
If we navigate to hotel search in home page we can see hotel search interface .



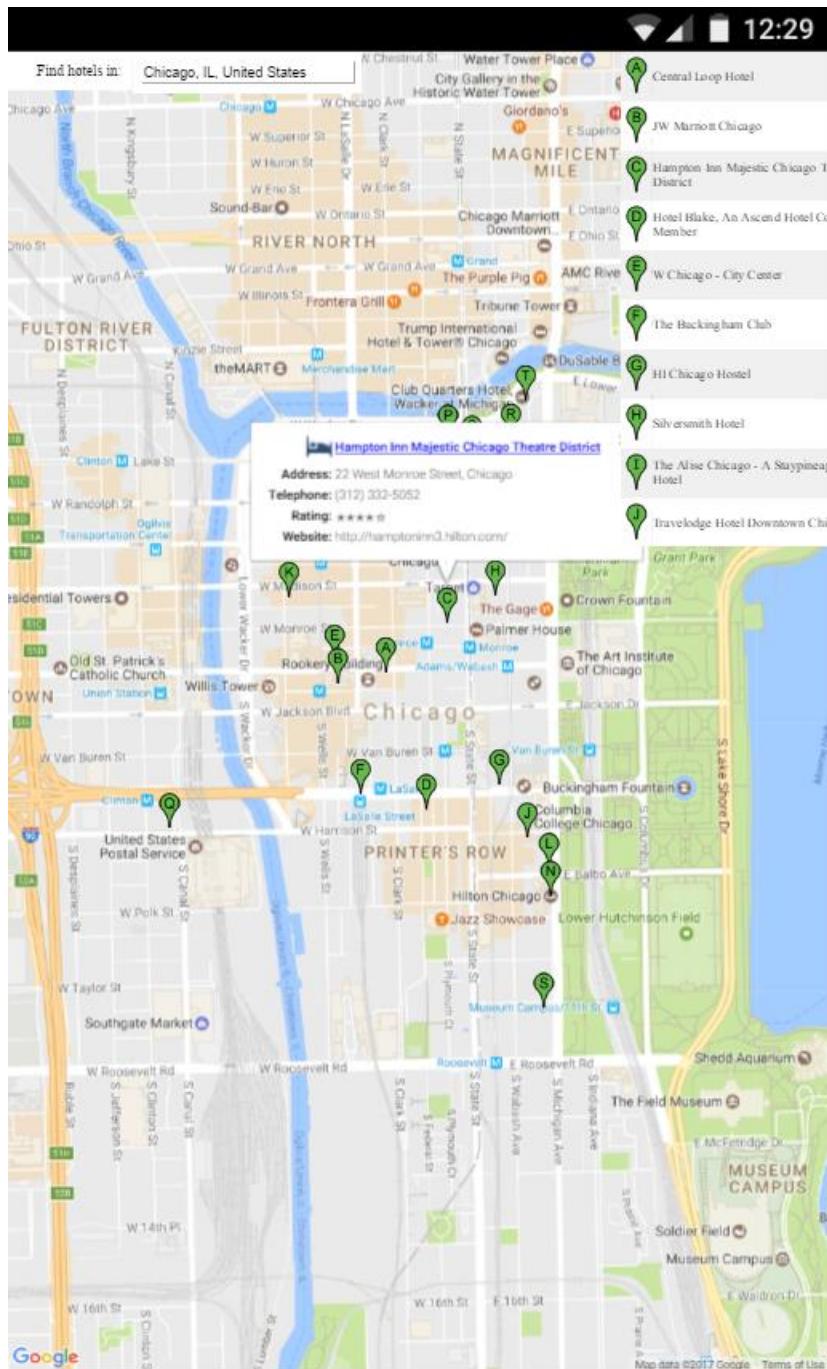
This is hotel search page. We can search for hotel near by giving places details in the text field . we used google place search API

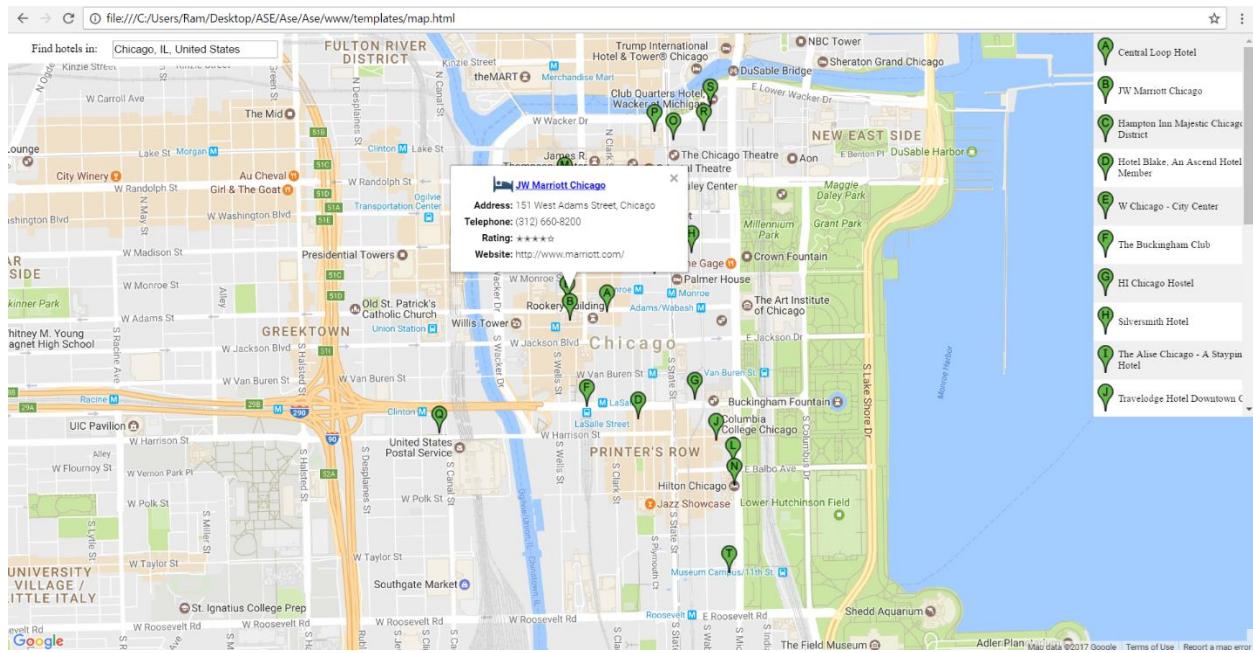


We gave chicago as the place and it shows the hotel near by Chicago with green marker .



Here we can see place details by clicking on marker . we can also select a hotel from window on the side





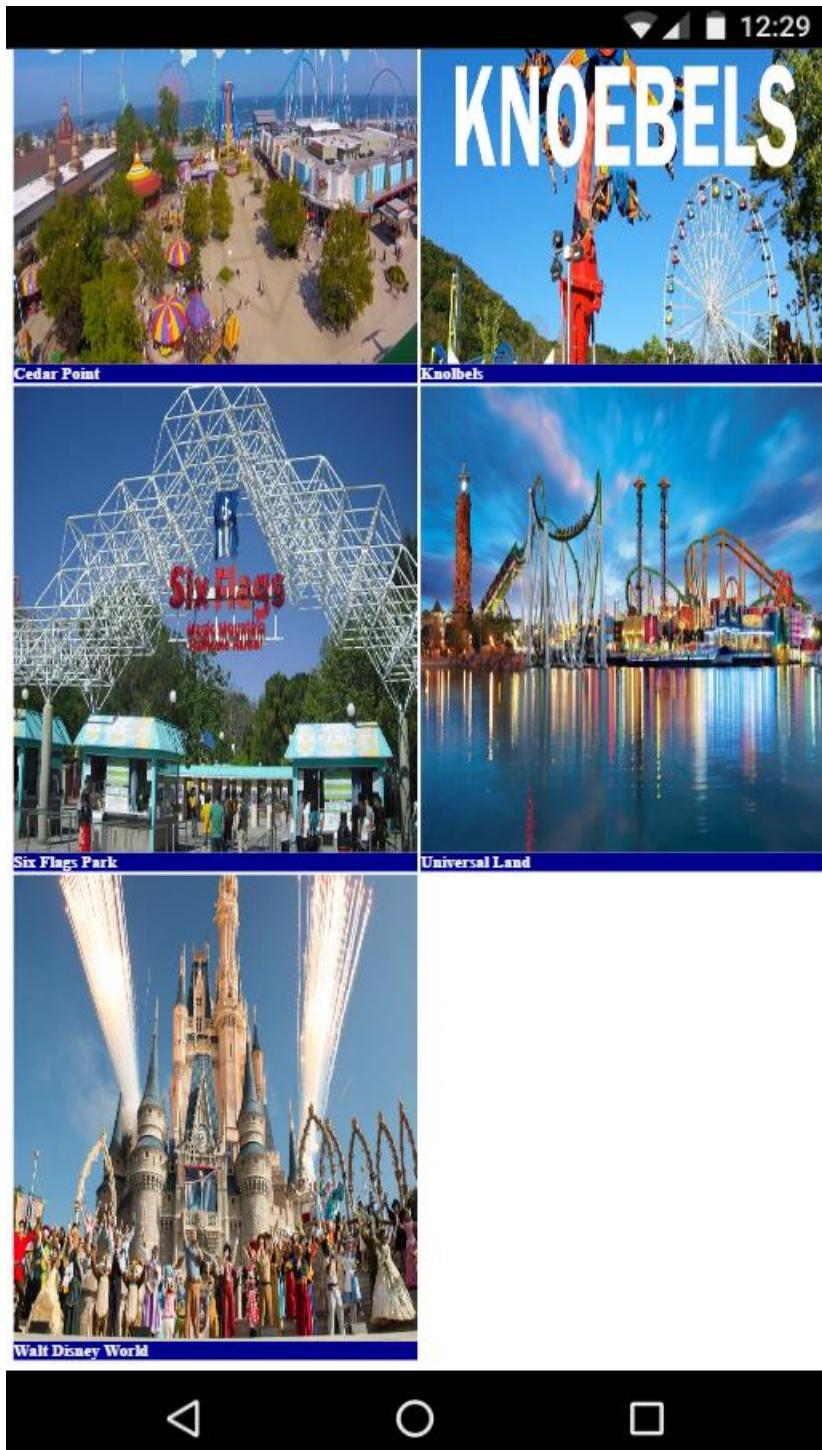
This is hybrid app running on web . we implemented hotel search.

Twitter :



This is the home page for twitter time line. we can choose our interest and the page is redirected to top places of interest in USA for the desired result. We have many choices like skiing, trekking, rafting, wildlife, theme parks etc.

If we choose any of the above the page is redirected to page with top results of places of interest for selected category.



This is the page with top 5 results related to that choice. If we choose any place it displays the recent tweets related to that place.



#WaltDisneyWorld

Molly Russell Retweeted



Walt Disney World @WaltDisneyWorld

Experience the all-new Rivers of Light at Disney's Animal Kingdom! #WaltDisneyWorld



25 Feb

Sarah Retweeted



Mark Willard @MWillardPhotos

Rivers of Light flic.kr/p/U5qHKM #WaltDisneyWorld

#Disney #Nikon #photography #AnimalKingdom

#RiversOfLight #DAK #SigmaLenses



25 Feb



Rebecca Rose @sculpturings



Counting down the days to #Pandora!

Embed

View on Twitter



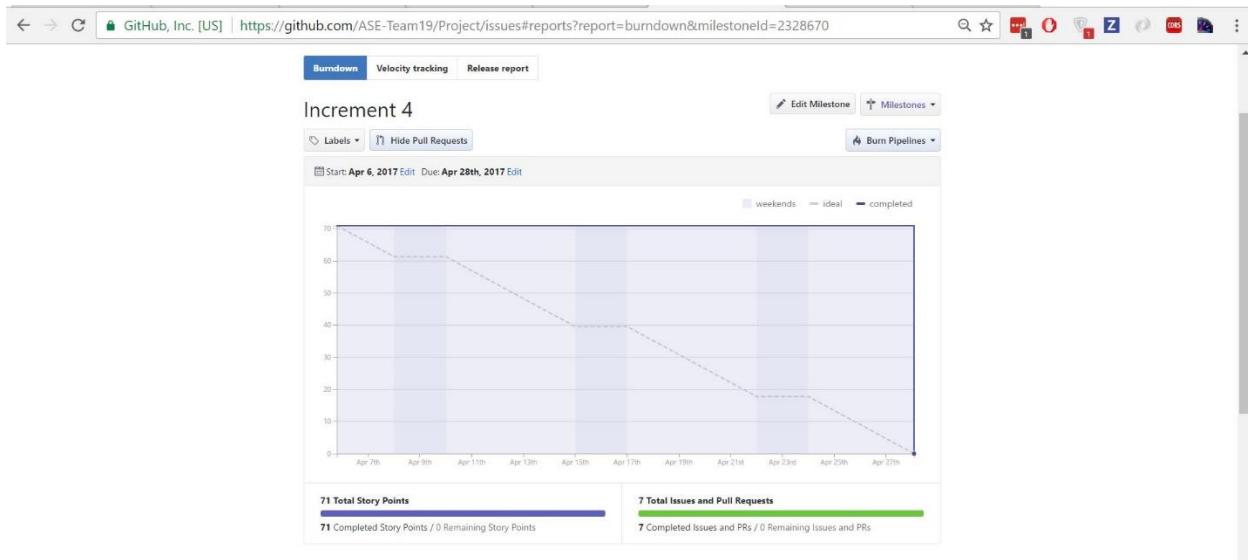
VI Project Management

The screenshot shows a GitHub project board for 'Project'. The board has six columns: 'New Issues', 'Icebox', 'Backlog', 'In Progress', 'Review/QA', and 'Done'. The 'Done' column is currently active, displaying several completed tasks. Each task is represented by a card with a small icon, a title, and a subtitle indicating its status ('Increment 1' or 'Increment 2'). To the right of the board, there is a sidebar listing 'Closed' issues, each with a small icon, a title, and a subtitle. The interface includes standard GitHub navigation elements like a search bar, a repository name, and a top menu.

Fig: Board

The screenshot shows a GitHub search results page for closed issues. The search query is 'is:closed'. The results list 45 closed issues. Each result is a card with a small icon, the issue number, the title, the author, and a brief description. The interface includes a search bar, a top menu, and a sidebar with filters and sorting options.

Fig: issues

**Fig:** Burn Chart

Technology Used:

- HTML, CSS, Bootstrap, JS and Angular JS , MongoDB

Work Completed

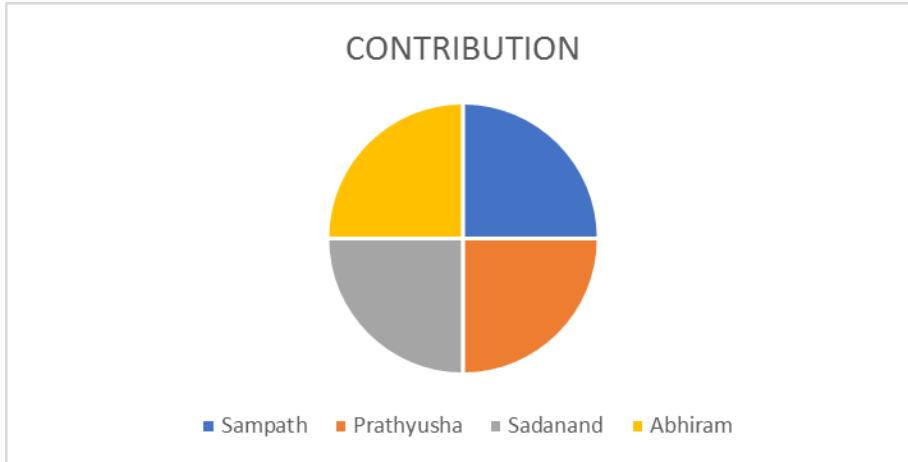
- Design and Architecture of the Application
- Ionic Login, Registration and home page
- Ionic Login page register page validation
- User credentials stored in mongo DB
- Weather API , Language Translator , Currency converter and Twitter Timeline
- Hotel search implementation

GitHub Link: <https://github.com/ASE-Team19/Project>

Wiki Link: <https://github.com/ASE-Team19/Project/wiki/Increment-IV>

Contribution:

- Sampath Gattu – 25%
- Prathyusha Pottabathula – 25%
- Sadanand Kallakuri – 25%
- Nalla Abhiram Reddy – 25%



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