

Project Plan and First Increment

Spring 2017

Submitted by Team 13

Onica Sai Prasanna Lakshmi, Rayineedi– 80

Venkata Krishna, Podili– 72

Mamatha Yadav, Chekuti– 11

Sreelekha Reddy, Kommareddy– 45

1.Introduction

World Explorer

When people keep travelling to different places, there is always a limitation of information about the place they are travelling to. Therefore, this encouraged us for a travel guide mobile application as smart phones are evolving exponentially and becoming popular to offer greater services to multiple users using GPS navigation, web navigation etc. The tourists will be able to explore many new tourists' places just by viewing the updated information in the application. This will also enable easy travel planning by knowing the sales prices and developments happening all around due to the increase in the usage of the mobile equipment's.

2.Project Goal and Objectives(revised)

2.1 Overall Goal:

The Main Objective of this Application is to create a user-friendly Android based Application which enables users to know about places and areas instantly that they are not familiar with and provide them with the reviews of past and an ability to share their experiences.

2.2 Specific Objectives (Problem Statement):

- Depending on the User Location, Tourist Attractions in a place can be displayed
- Entire information such as distance from current location, history, significance, images, and reviews etc. of a place can be viewed
- Associated with various applications which allows to view and book different amenities which are necessary to accomplish the trip
- User can view and record the reviews about the visited place

2.3 Specific features:

2.3.1 This Application enables the user to search for the locations where the user wants to visit after which application will be navigated to a page where Tourist Attractions available in the location entered by the user will get displayed.

2.3.2 After Tourist Attractions got displayed, the user can select a place from the list of attractions after which entire details such as current location, history, significance, images, and reviews etc. of the place can be viewed.

2.3.3 This is associated with various applications which allows to view and book different amenities which are necessary to accomplish the trip

2.3.4 The user can view and record the reviews about the visited place

2.4 Significance:

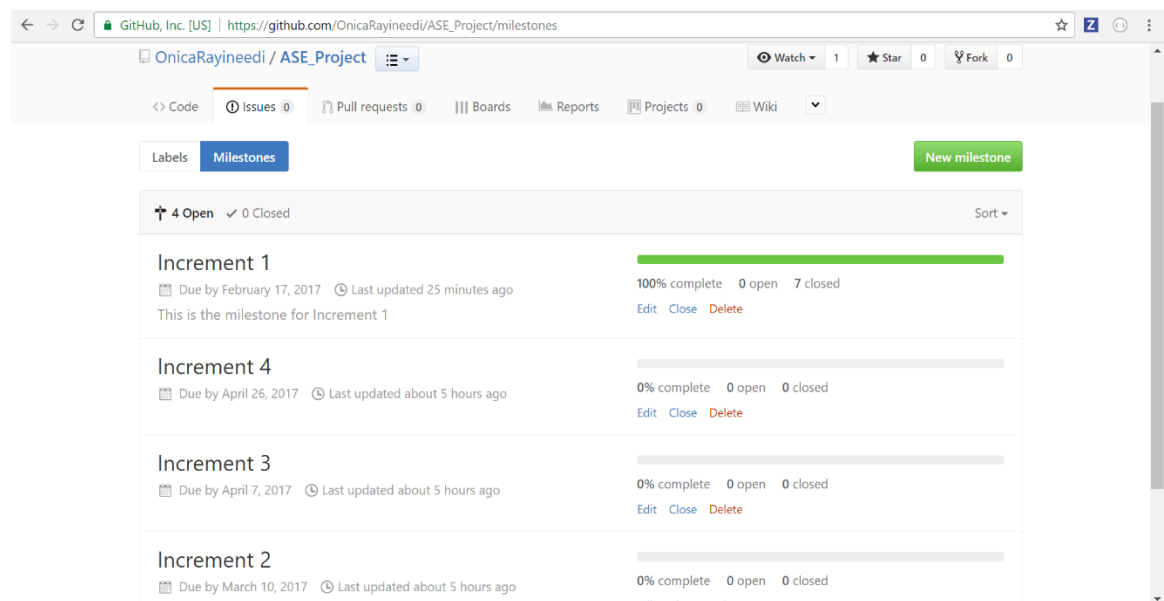
- The information in the application can be shared among tourists instantly and analyzed by the shared ones.
- The main disadvantage of insufficient information of the resources, untapped opportunities for tourism companies and the enhancement of the travel experience is overcome by providing meaningful insight for the trips.
- It provides connectivity to many smart applications for travelers.
- It provides Google's information and resource source for marketers.

3. Project Plan

1. Zen-Hub Screenshots:

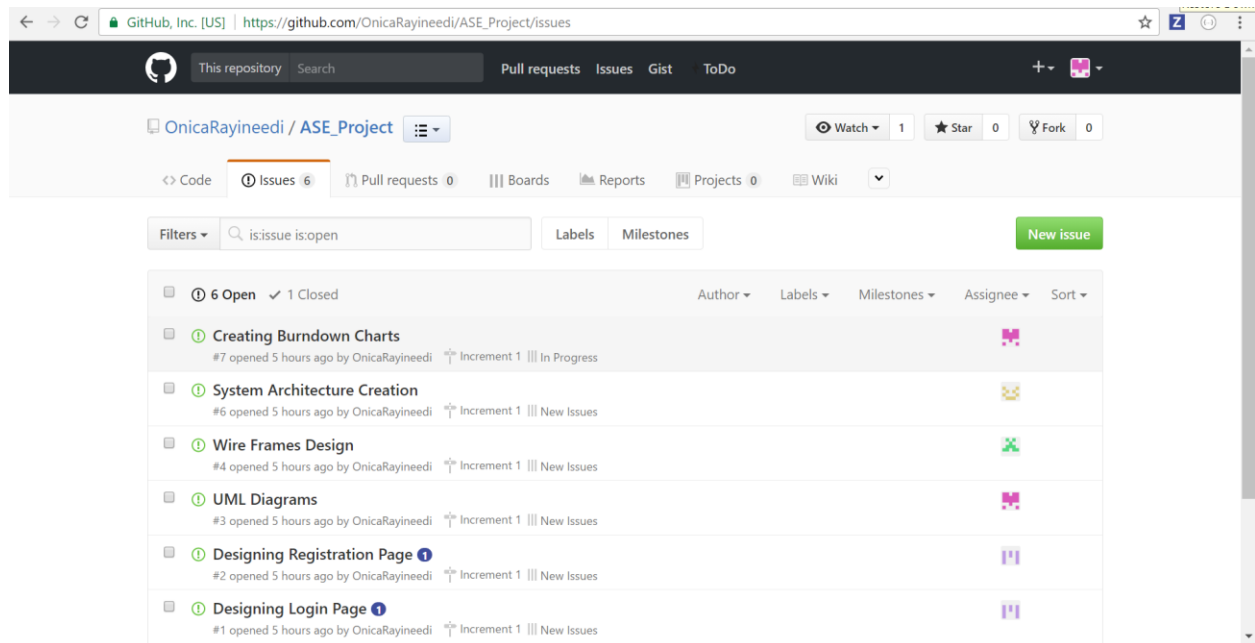
In this first increment we created four Milestones that is., for Increment-1, Increment-2, Increment-3, Increment-4. Under Increment-1 we have four issues regarding Designing Login page, Designing Registration Page, Wireframes Design, UML Diagrams, Designing of Sequence Diagram, Creating Burndown Charts, System Architecture Creation and working on Four-Square API

Mile-Stones Created:



2. Project Timeline, Members, and Task Responsibility:

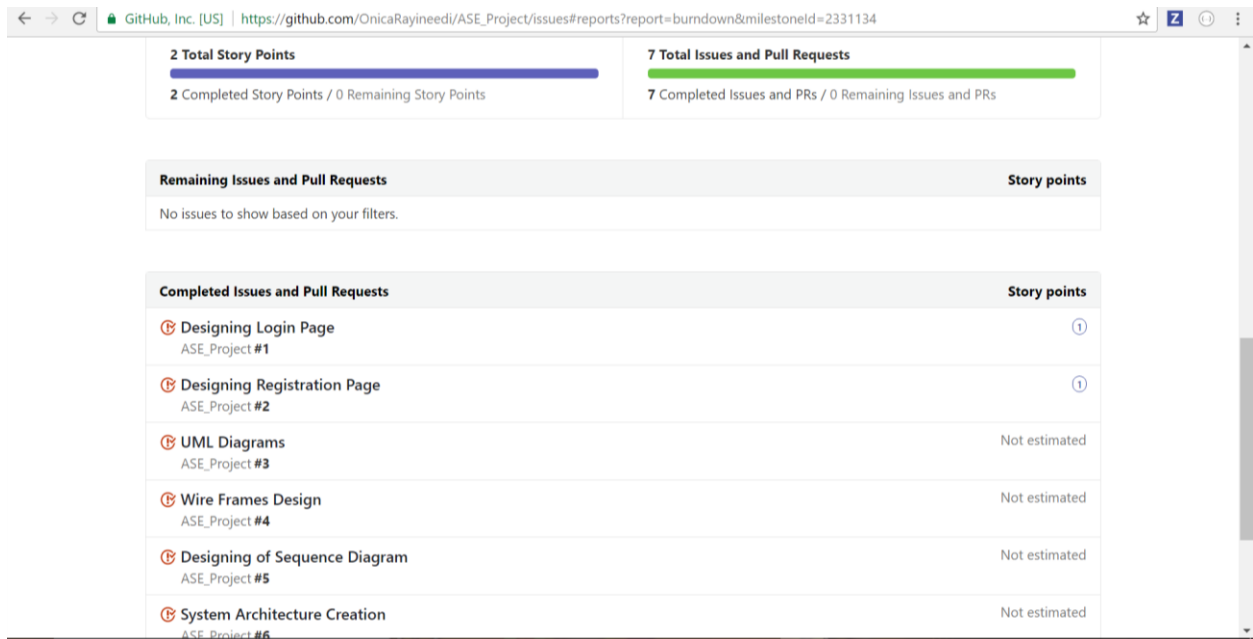
For this Increment, there are seven issues created and below screenshots describe how tasks been assigned to the team members



3. Burn-Down chart:

This Burn-Down chart is generated for Increment-1 which the above designed issues created





4. First Increment Report

4.1 Existing Services/REST API

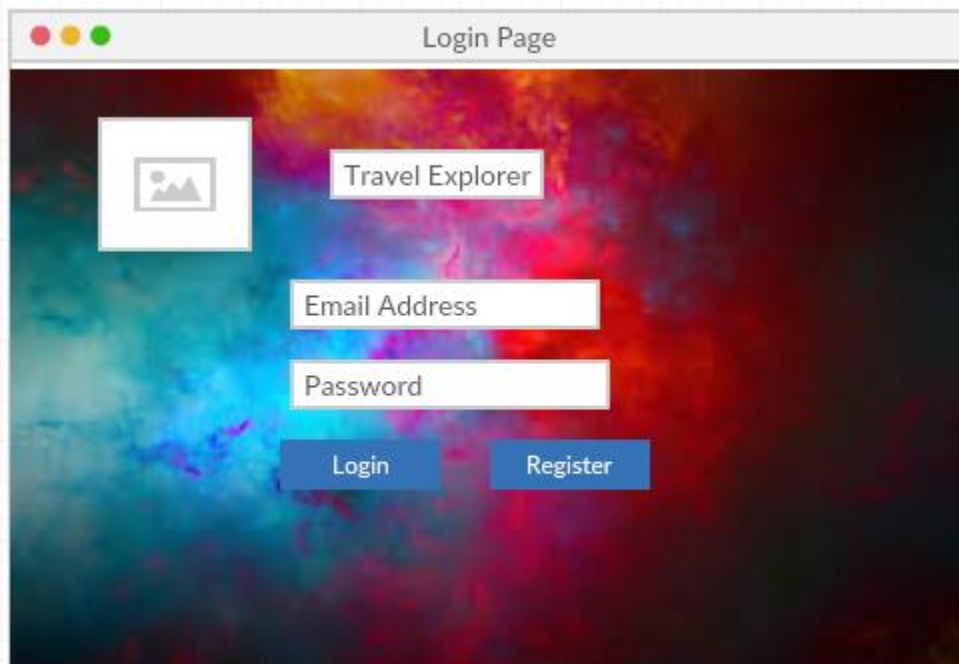
4.1.1 API's to be Implemented: For the next Increments below mentioned API's will be implemented

- Facebook Login API
- Google Plus API
- Google Maps API
- Four-Square API

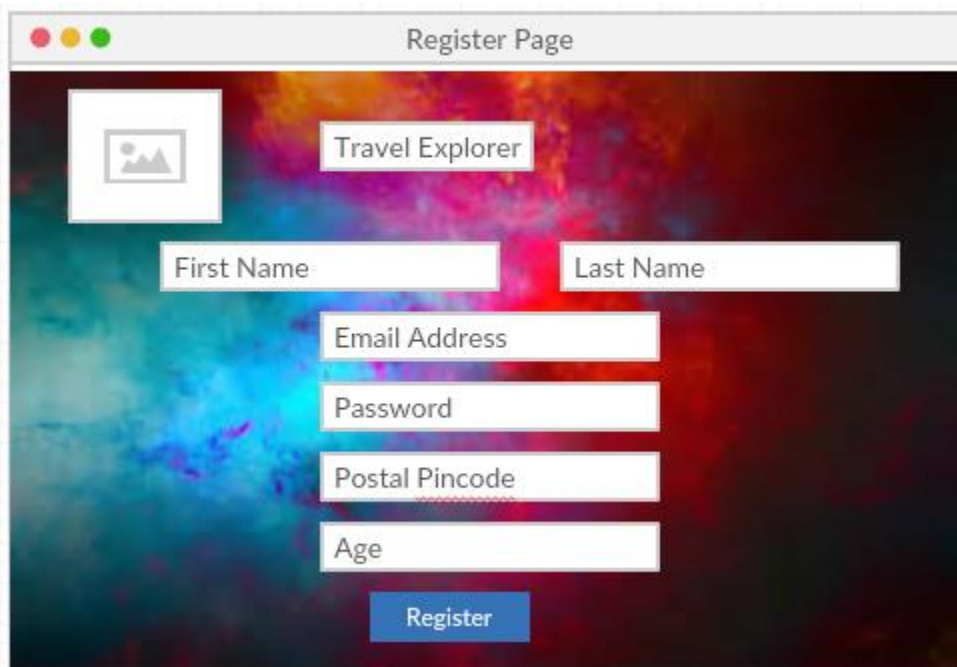
4.2 Detail Design of Features:

4.2.1. Wireframes:

- **Login Page:** A Login Page is created with Email ID and Password as attributes.

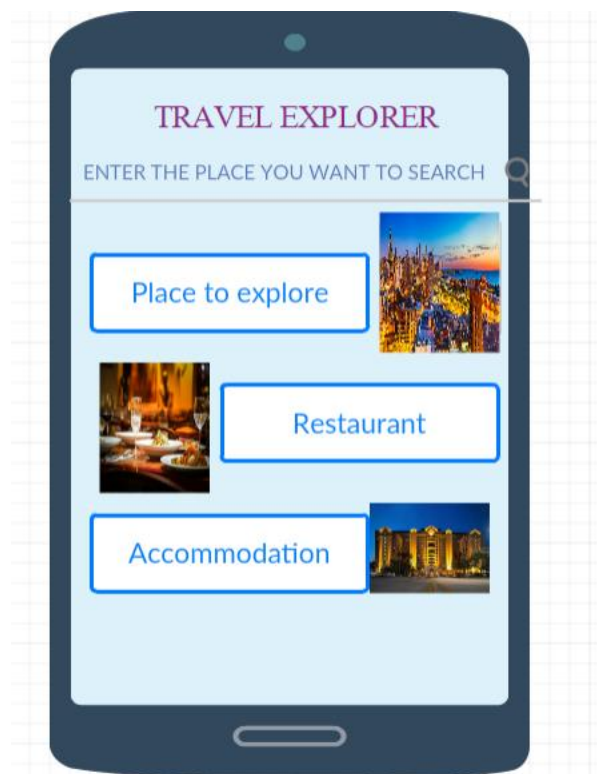


- **Registration Page:** A Registration Page is created with First Name, Last Name, Email, Password, and Postal Code



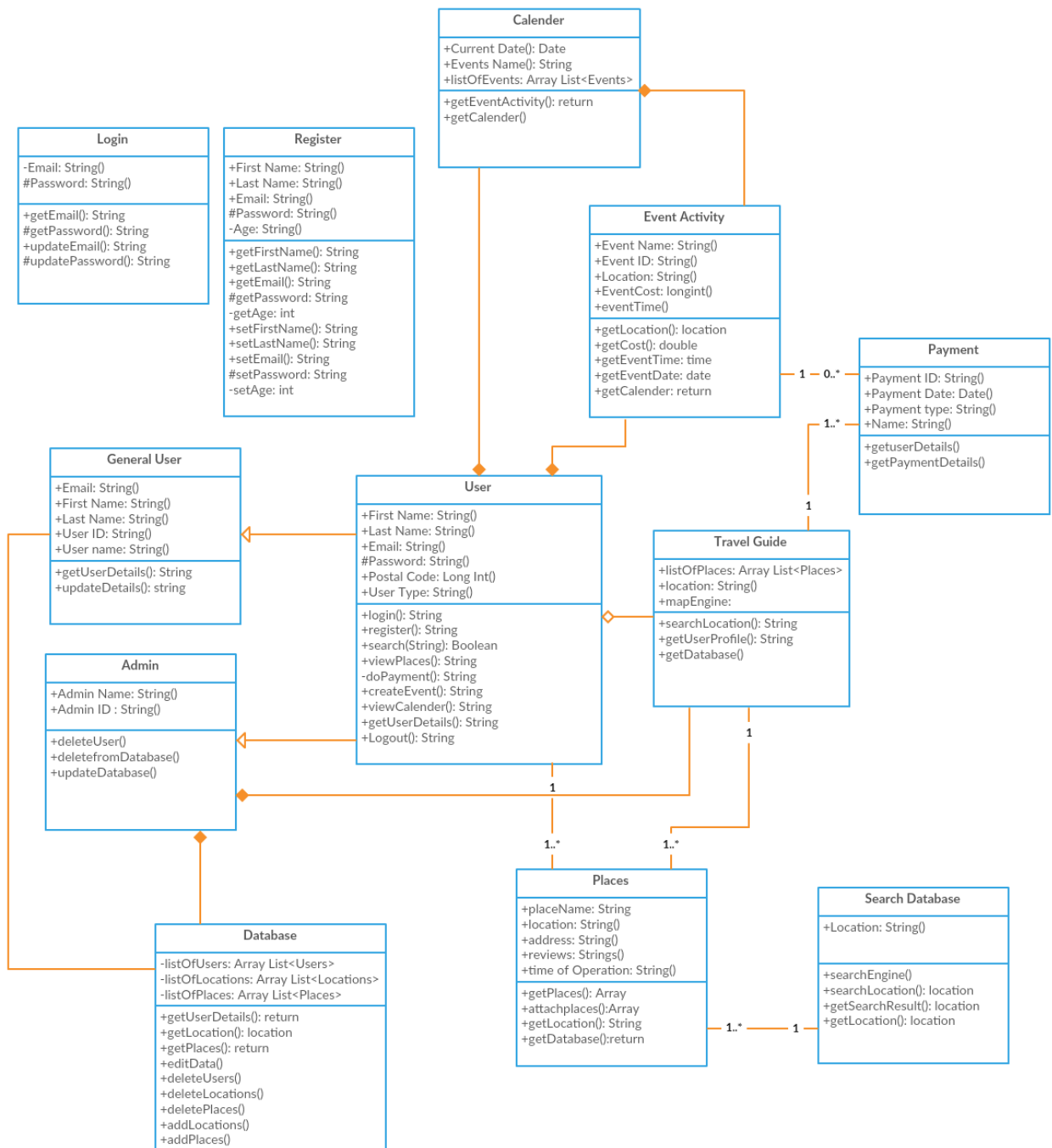
The screenshot shows a desktop web browser window titled "Register Page". The background is a vibrant, abstract, colorful pattern. In the top left corner, there is a small square icon with a landscape image. Below it, the text "Travel Explorer" is displayed. The registration form consists of several input fields: "First Name", "Last Name", "Email Address", "Password", "Postal Pincode", and "Age". A blue "Register" button is located at the bottom center of the form.

- **Home Page:**



4.2.2 Class Diagram:

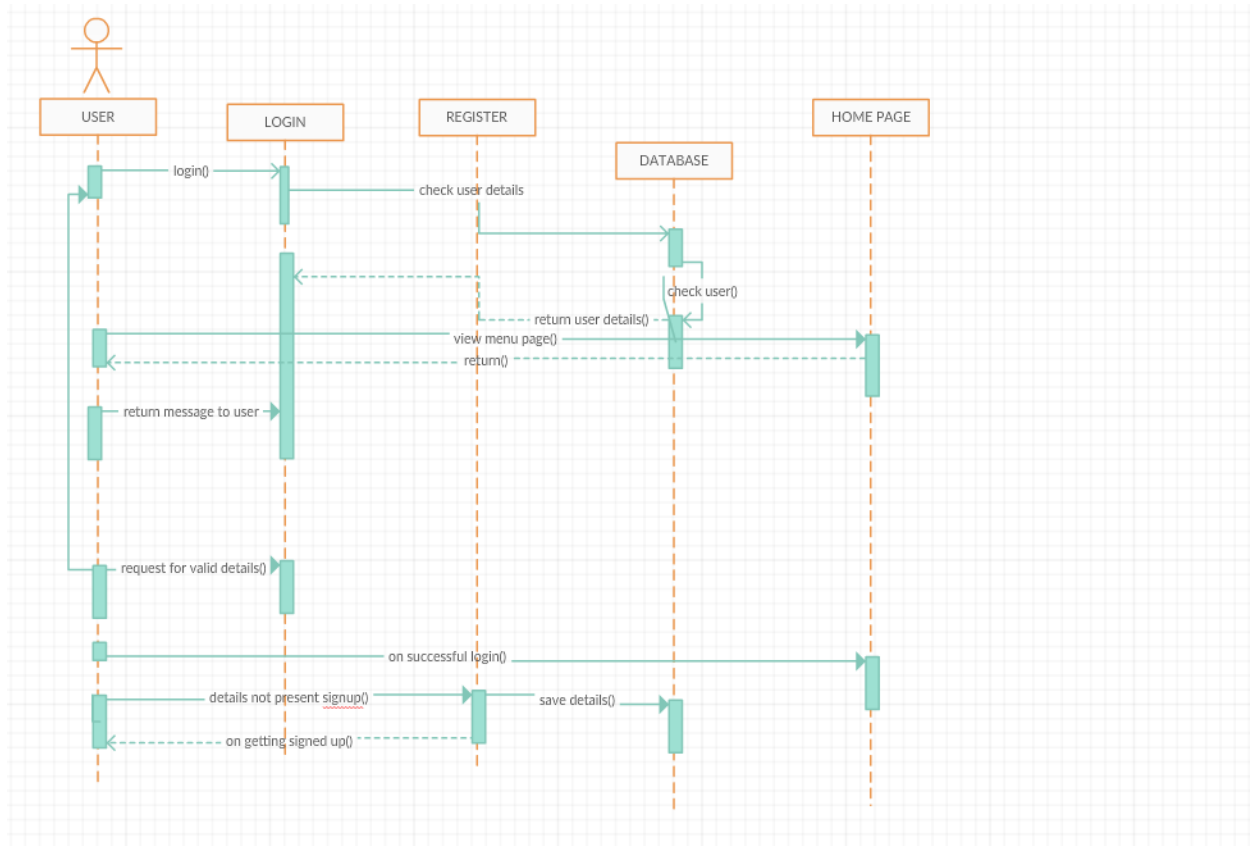
This diagram depicts the static structure of the Application using Classes and their Attributes.

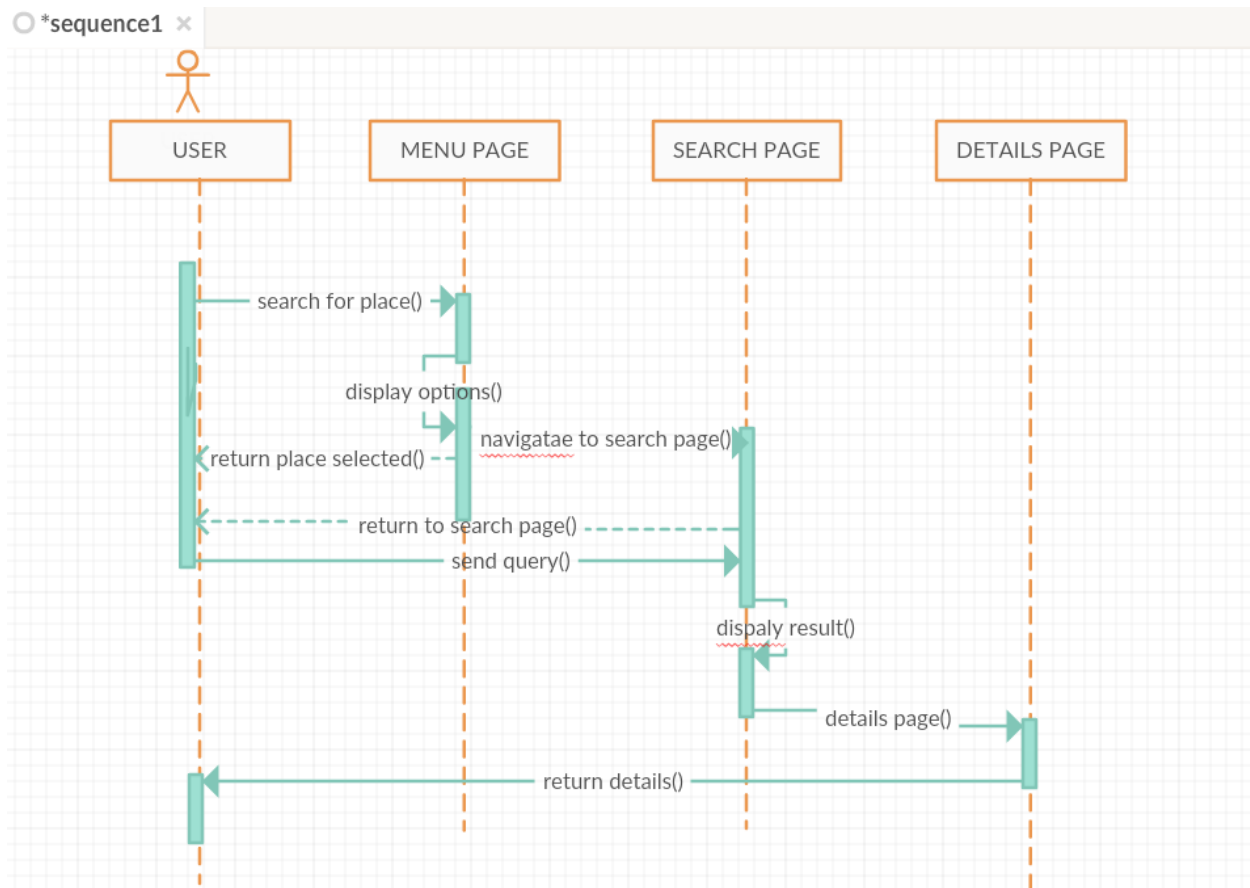


4.2.3 Sequence Diagram:

This Sequence Diagram depicts the interaction mechanism of the objects implemented in the system application.

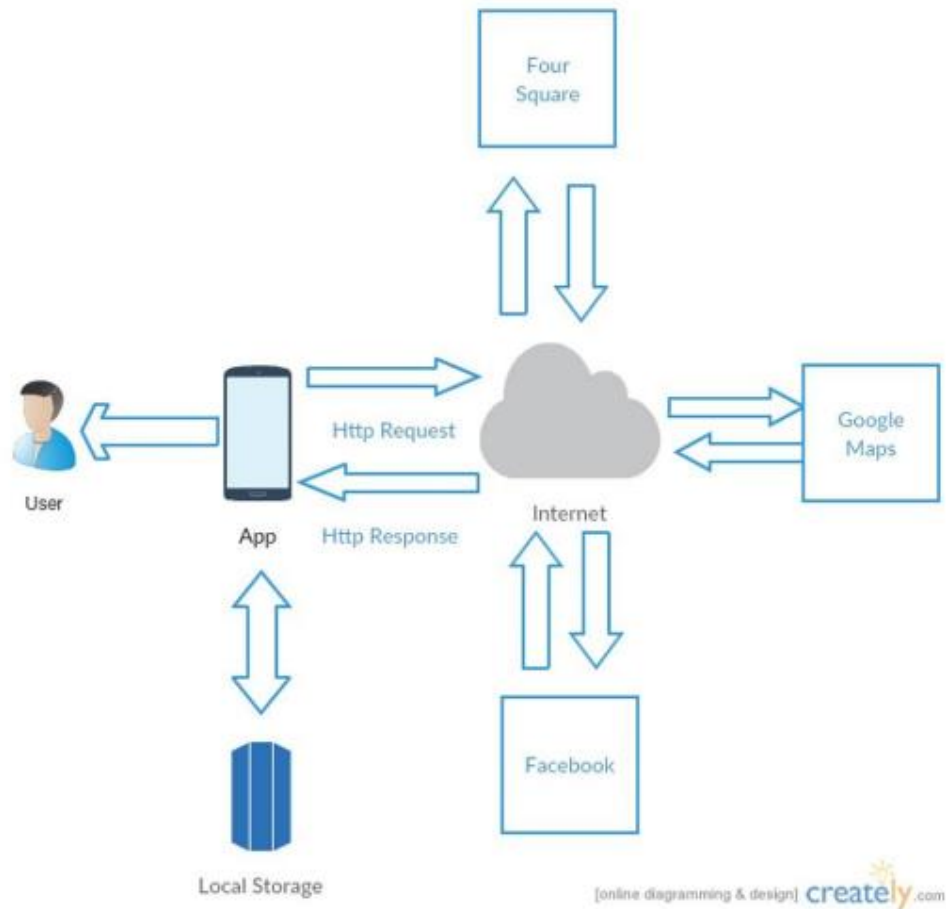
Sequence Diagram for Login and registration:

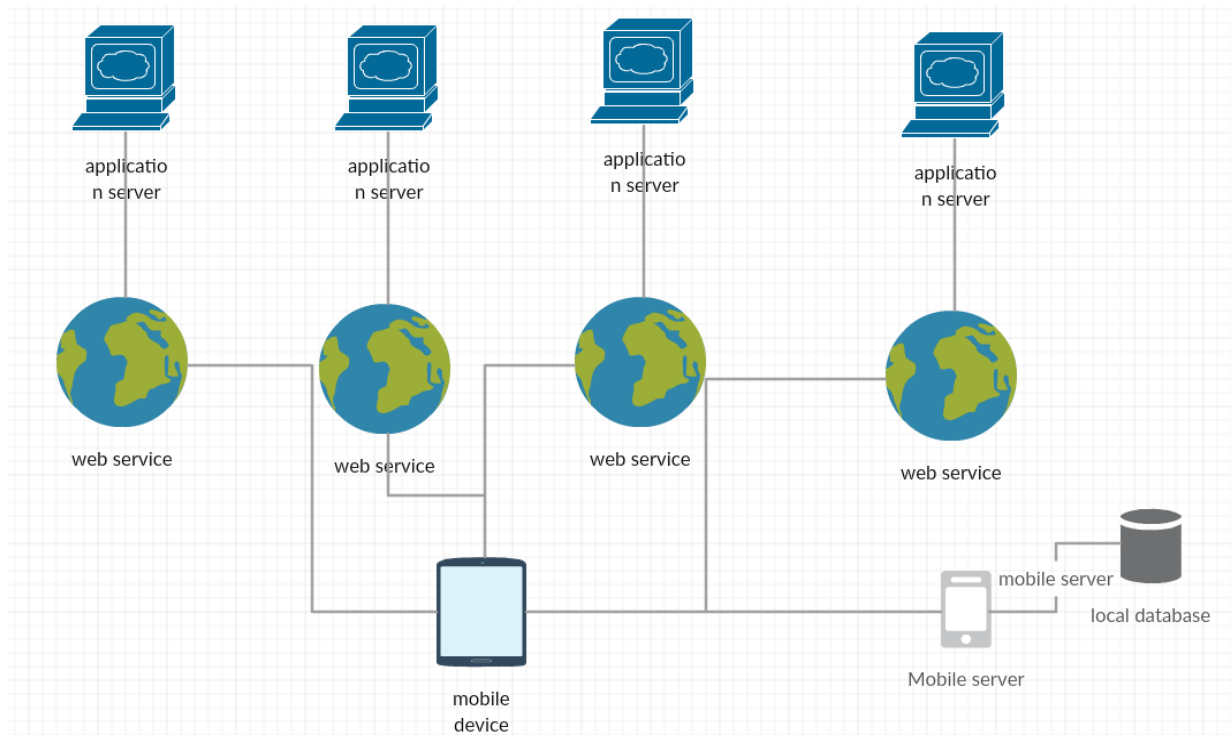


Sequence Diagram for Home Page:

4.2.4 Architecture Diagram:

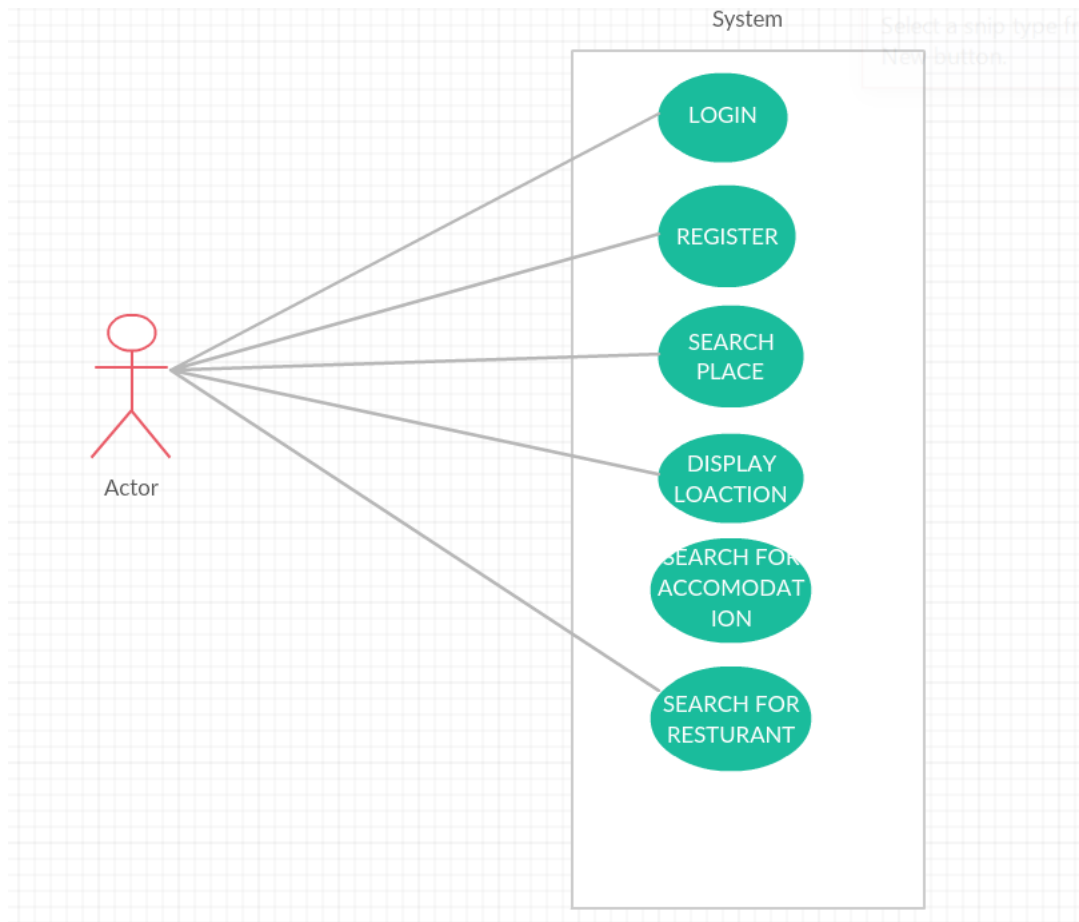
Structure and Behavior of the application is described in the system architecture.





4.2.5 Use Case Diagram:

Use case diagram represents the interaction of user with the application



4.2.6 User Stories:

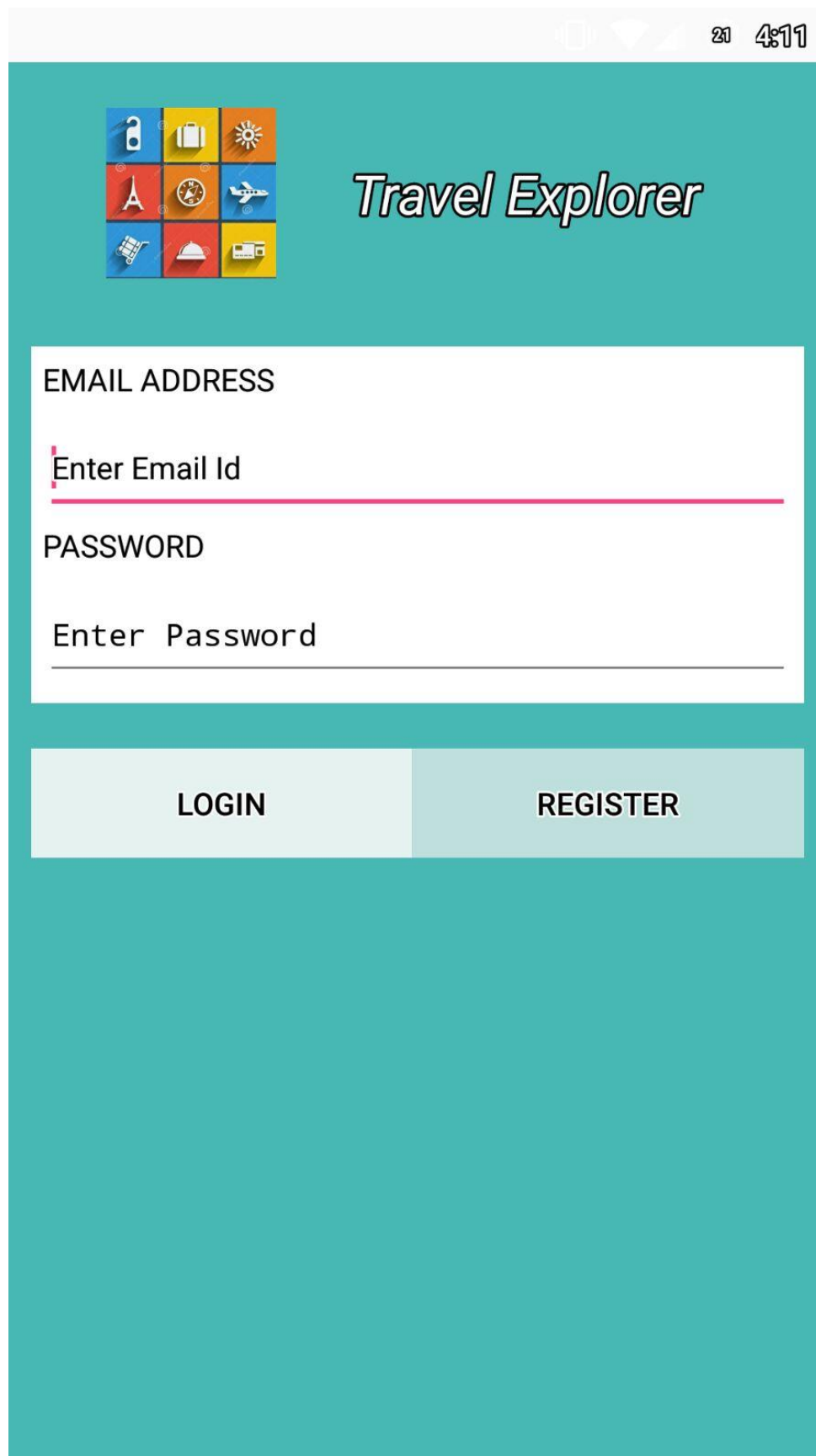
As a	I want to	So, that
User	search for the locations to visit	I can visit that place as a tourist
	Get the various Tourist Attractions located in that location	I can visit all the Tourist Attractions located in that place
	Get Directions and navigation to the Tourist place selected	I do not have any problem in finding the location of the selected place
	Get all the information such as History, Significance, images, video's (if present) and reviews	I can gain more knowledge about that place
	Get all the details about Basic Amenities present in that place	I do not face any problem by visiting that place
	To schedule events and update calendar	I can view the dates and events planned on that days (such as visiting a place)
	to place the reviews of visited place	I can give suggestions to future visitors

5. Implementation and deployment:

Android Application which we developed till date has been designed using android studio and result is observed using emulator and in an android mobile.

Screen Shots:

- By opening the Application in the android mobile following login page will be displayed which has email and password as attributes.
- If the user enters Invalid credentials, then an alert appears stating that Password do not match or Invalid Email
- If the user is new to the application, then he can register by using the registration page
- On clicking on the registration button a registration form appears
- New user should fill all the details and then by clicking on register button and get migrated to login page
- After successful registration, an alert appears with a message Success



The image shows a mobile application interface for "Travel Explorer". At the top, there is a status bar with icons for signal, Wi-Fi, and battery, along with the time 4:11. Below the status bar is a teal header area. On the left side of the header, there is a 3x3 grid of travel-related icons: a passport, a suitcase, a sun, the Eiffel Tower, a clock, an airplane, a shopping cart, a train, and a bus. To the right of the grid, the text "Travel Explorer" is displayed in a stylized, italicized font. Below the header is a white login/register form. The form contains two input fields: "EMAIL ADDRESS" with a pink underline and "PASSWORD" with a grey underline. Below the form are two buttons: "LOGIN" and "REGISTER".

21 4:11

Travel Explorer

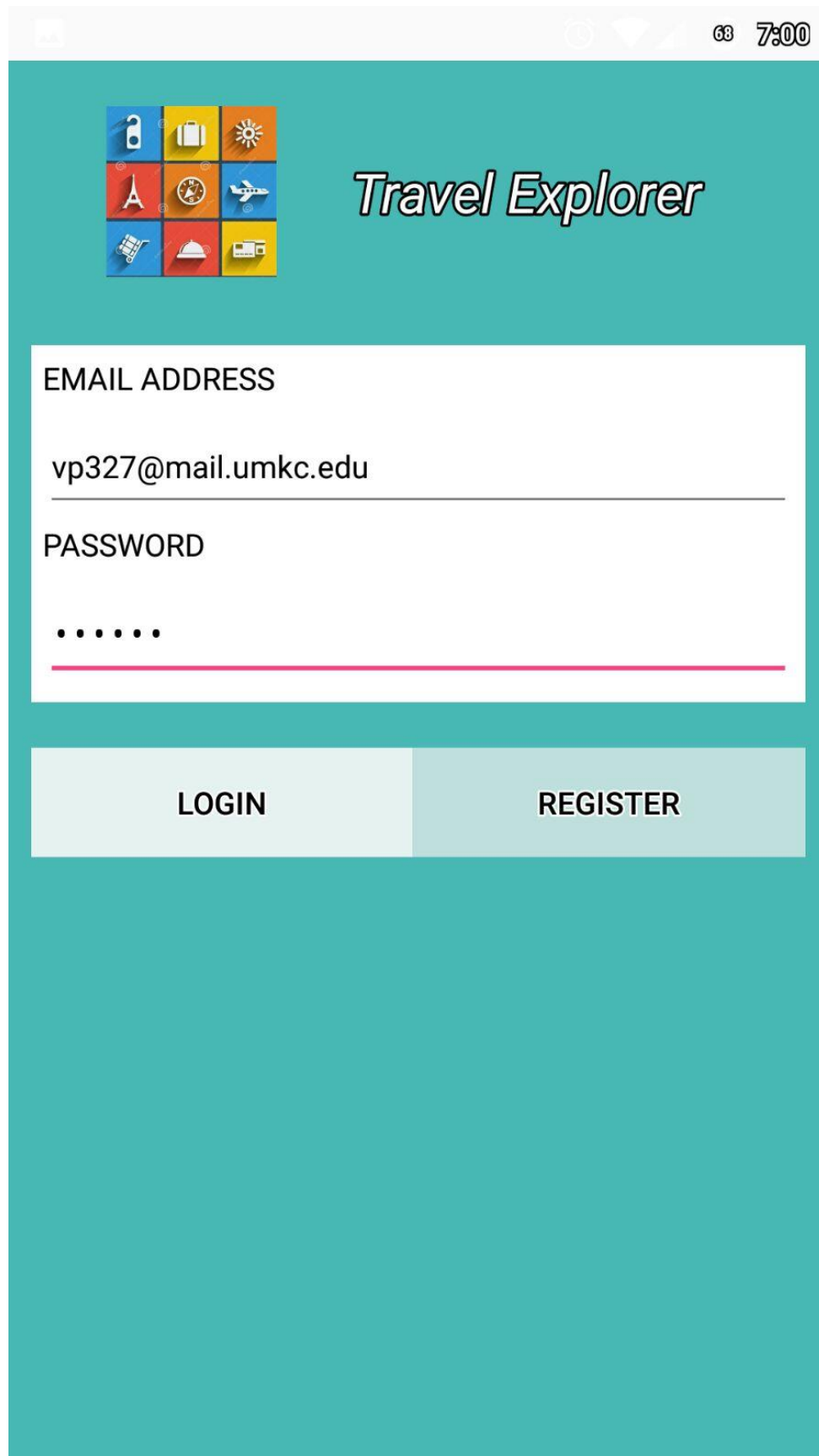
EMAIL ADDRESS

Enter Email Id

PASSWORD

Enter Password

LOGIN REGISTER



The image shows a mobile application interface for "Travel Explorer". At the top, there is a status bar with a camera icon, signal strength, Wi-Fi, and battery level at 68%, and the time 7:00. Below the status bar is a teal header area. On the left of the header is a 3x3 grid of travel-related icons: a passport, a suitcase, a sun, the Eiffel Tower, a clock, an airplane, a shopping cart, a train, and a bus. To the right of the grid, the text "Travel Explorer" is displayed in a stylized, italicized font. Below the header is a white login/register form. The form has two sections: "EMAIL ADDRESS" and "PASSWORD". The email address field contains the text "vp327@mail.umkc.edu". The password field is masked with six dots. At the bottom of the form are two buttons: "LOGIN" and "REGISTER".

68 7:00

Travel Explorer

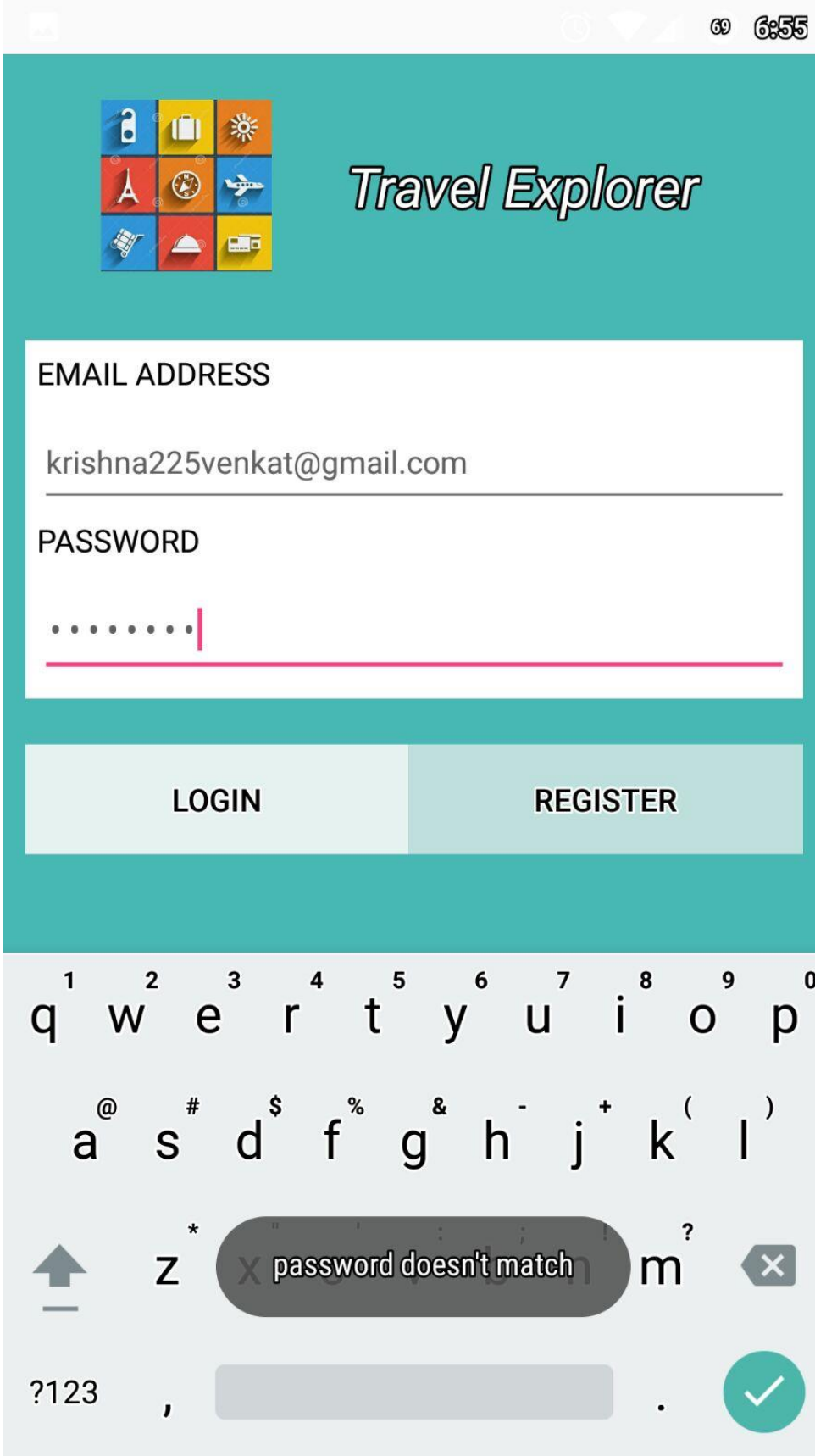
EMAIL ADDRESS

vp327@mail.umkc.edu

PASSWORD

• • • • •

LOGIN REGISTER



The image shows a mobile application interface for "Travel Explorer". At the top, there is a header bar with a teal background. On the left, there is a 3x3 grid of colorful icons representing travel-related items: a suitcase, a sun, a Eiffel Tower, a clock, an airplane, a shopping cart, a train, and a car. To the right of the grid, the app name "Travel Explorer" is displayed in a stylized, italicized font. Below the header, there is a white rectangular area containing two input fields. The first field is labeled "EMAIL ADDRESS" and contains the text "krishna225venkat@gmail.com". The second field is labeled "PASSWORD" and contains a series of dots, indicating a masked password. Below these fields, there are two buttons: "LOGIN" and "REGISTER". At the bottom of the screen, there is a virtual keyboard with a light blue background. A dark grey toast message is displayed over the keyboard, stating "password doesn't match". The keyboard includes standard QWERTY keys, a spacebar, and a green checkmark button.

69 6:55

Travel Explorer

EMAIL ADDRESS

krishna225venkat@gmail.com

PASSWORD

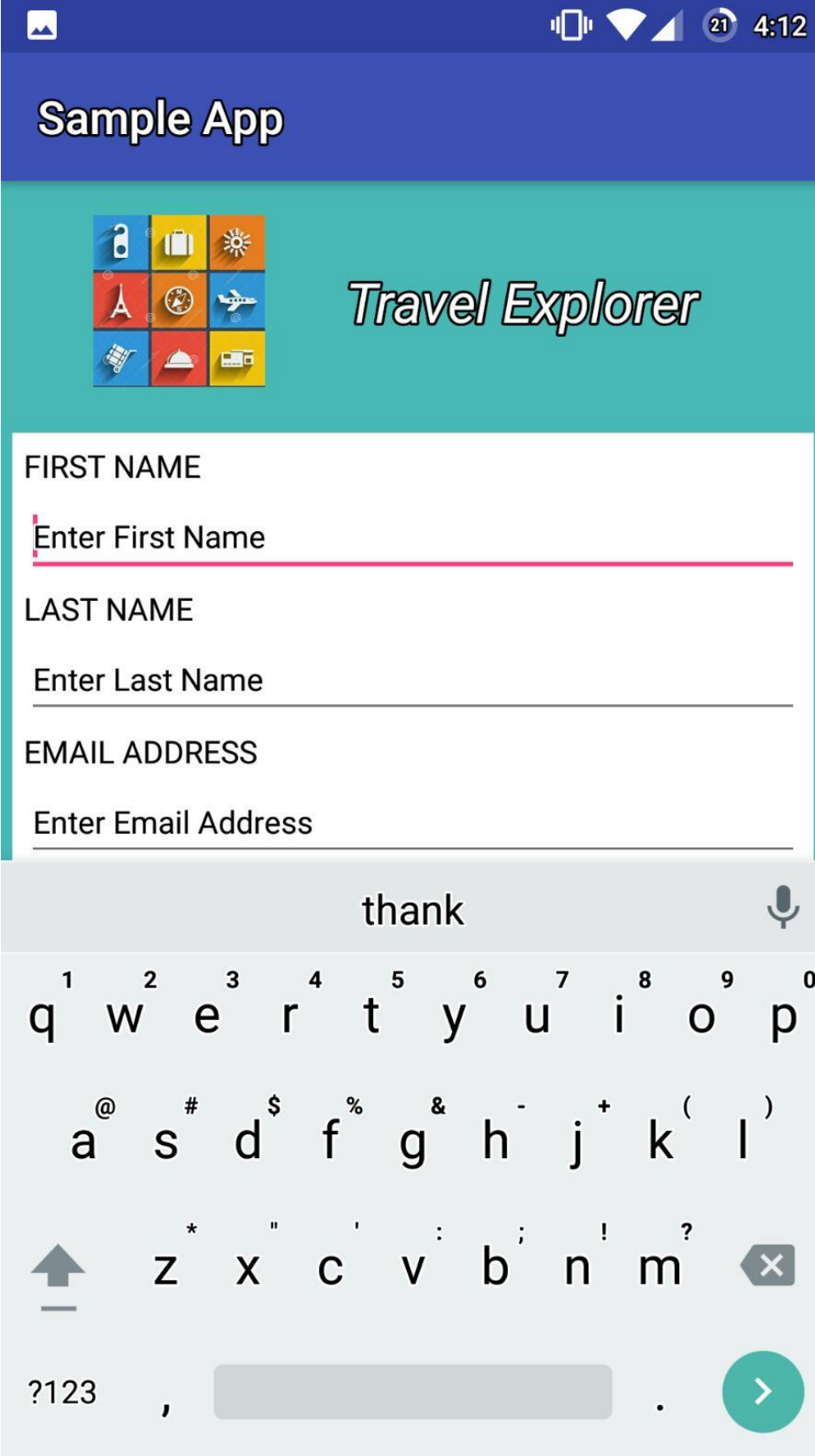
.....

LOGIN REGISTER

1 2 3 4 5 6 7 8 9 0
q w e r t y u i o p
@ # \$ % & - + ()
a s d f g h j k l
↑ * " ' , . / ?
z x c v b n m
?123 , [] ^ _ { } ~

password doesn't match

✓



The image shows a mobile application interface for a travel app. At the top, there is a blue header bar with the text "Sample App". Below this, there is a teal background section with a 3x3 grid of travel-related icons (lock, suitcase, sun, Eiffel Tower, clock, airplane, shopping cart, train, and car) and the text "Travel Explorer". Below the teal section, there are three input fields for user information: "FIRST NAME", "LAST NAME", and "EMAIL ADDRESS". Each field has a placeholder text "Enter [Field Name]". At the bottom, there is a keyboard overlay with the word "thank" typed in the search bar. The keyboard includes standard QWERTY keys, a microphone icon, and a green circular button with a right arrow.

Sample App

Travel Explorer

FIRST NAME
Enter First Name

LAST NAME
Enter Last Name

EMAIL ADDRESS
Enter Email Address

thank

1 2 3 4 5 6 7 8 9 0
q w e r t y u i o p
@ # \$ % & - + ()
a s d f g h j k l
↑ * " ' : ; ! ?
z x c v b n m
?123 , . >

Sample App

Travel Explorer

PASSWORD

Enter Password

POSTAL PINCODE

Enter Pincode

Age

Age

thank

1 2 3 4 5 6 7 8 9 0

q w e r t y u i o p

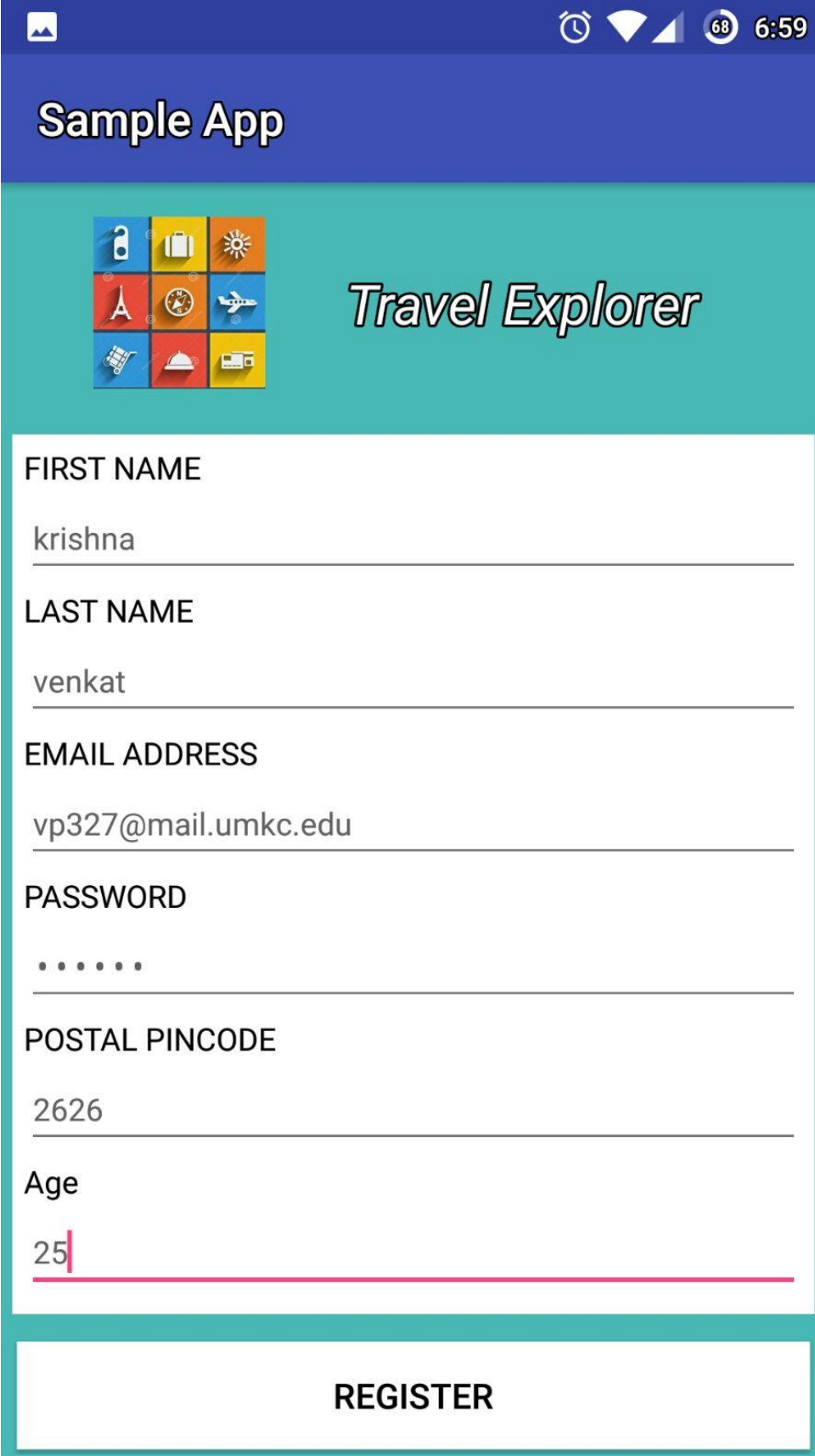
@ # \$ % & - + ()

a s d f g h j k l

↑ * " ' : ; ! ?

z x c v b n m

?123 , . >



The image shows a mobile application interface for 'Sample App Travel Explorer'. The app has a blue header with the title 'Sample App' and a teal body with the title 'Travel Explorer'. A 3x3 grid of travel-related icons is displayed. The registration form contains fields for First Name, Last Name, Email Address, Password, Postal Pincode, and Age, each with a corresponding label and input field. A large 'REGISTER' button is at the bottom.

Sample App

Travel Explorer

FIRST NAME
krishna

LAST NAME
venkat

EMAIL ADDRESS
vp327@mail.umkc.edu

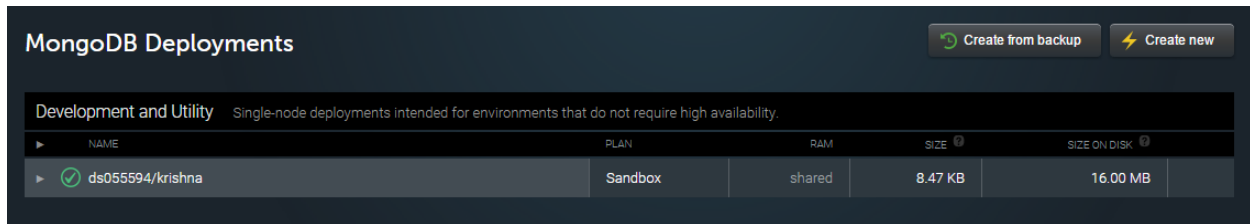
PASSWORD
.....

POSTAL PINCODE
2626

Age
25

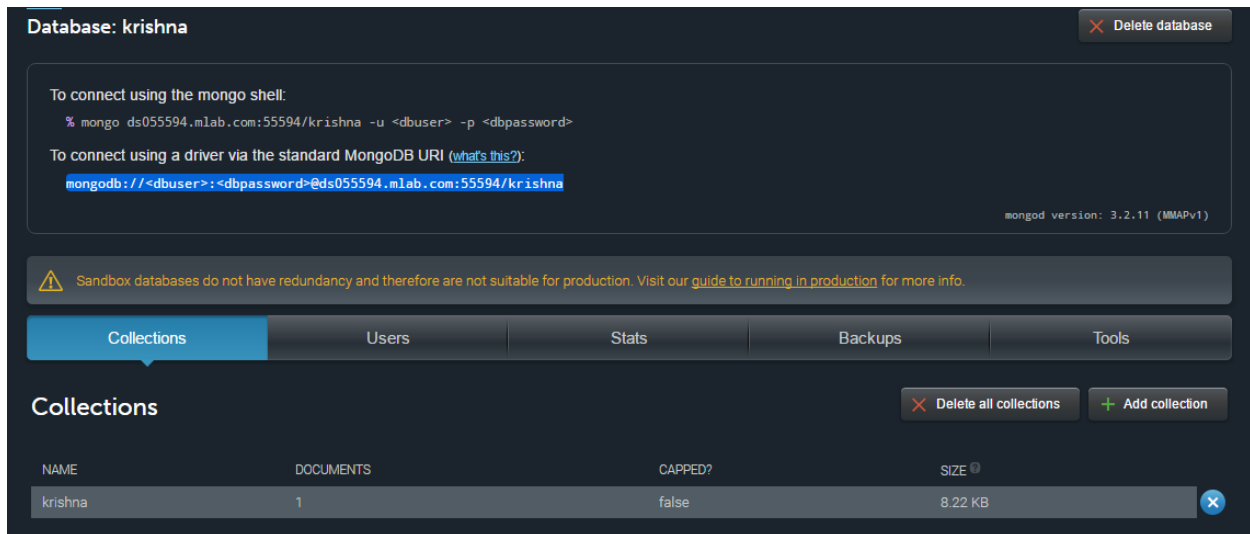
REGISTER

M-Lab Screenshots:



The screenshot shows the 'MongoDB Deployments' interface. At the top right, there are two buttons: 'Create from backup' and 'Create new'. Below this, a section titled 'Development and Utility' describes single-node deployments. A table lists the deployment 'ds055594/krishna' with a 'Sandbox' plan, 'shared' RAM, '8.47 KB' size, and '16.00 MB' size on disk.

NAME	PLAN	RAM	SIZE	SIZE ON DISK
ds055594/krishna	Sandbox	shared	8.47 KB	16.00 MB



The screenshot shows the 'Database: krishna' interface. It includes a 'Delete database' button. Below, it provides connection instructions for the mongo shell and a driver via the standard MongoDB URI. A warning message states: 'Sandbox databases do not have redundancy and therefore are not suitable for production. Visit our [guide to running in production](#) for more info.' A navigation bar contains 'Collections', 'Users', 'Stats', 'Backups', and 'Tools'. The 'Collections' section shows a table with one collection, 'krishna', containing 1 document, with a size of 8.22 KB. Buttons for 'Delete all collections' and 'Add collection' are also present.

To connect using the mongo shell:

```
% mongo ds055594.mlab.com:55594/krishna -u <dbuser> -p <dbpassword>
```

To connect using a driver via the standard MongoDB URI ([what's this?](#)):

```
mongodb://<dbuser>:<dbpassword>@ds055594.mlab.com:55594/krishna
```

mongod version: 3.2.11 (MMAPv1)

⚠ Sandbox databases do not have redundancy and therefore are not suitable for production. Visit our [guide to running in production](#) for more info.

Collections Users Stats Backups Tools

Collections

⛔ Delete all collections + Add collection

NAME	DOCUMENTS	CAPPED?	SIZE
krishna	1	false	8.22 KB

GitHub Wiki Link:

https://github.com/OnicaRayineedi/ASE_Project/wiki/Project-Proposal-1

6. project management:

Implementation Status report

Technologies used: Android Studio, M-lab

Work Completed:

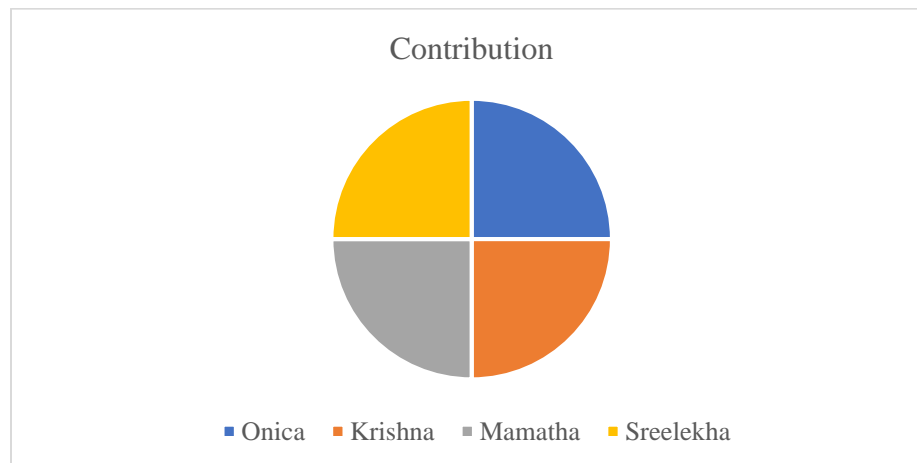
- Designed Architecture of the application
- Designed Login and registration pages
- Collected related information which will be used for further implementation of the Application

Work to be Completed:

- Designing Home page
- Implementing various API's in the Application
- Implementing database to the Application
- Improving the UI of the Application

Contribution:

1. Onica Sai Prasanna Lakshmi, Rayineedi – 25%
2. Venkata Krishna, Podili– 25%
3. Mamatha Yadav, Chekuti– 25%
4. Sreelekha Reddy, Kommareddy– 25%



Bibliography:

- <https://creately.com/>
- <https://stackoverflow.com>

