



**Project Plan and Second Increment Report**

**Spring 2016**

**TEAM - 3**

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- ❖ Manne, Chaitanya Sai - 26
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- ❖ Ponnuru, Karthik - 48

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# 1. Introduction

## UMKC - International Student Guide (ISG)

ISG is a forum to guide students starting, from get admit to settling up in UMKC. International student will have option to register to the application and login with their credentials, Application will guide student to set a deadline for their application and come up with reminders. It will give student with overview of pre departure and post departure information.

Student will get information regarding Exams pattern and can post their queries, existing student can reply to the queries. A board will be created which will allow to track their progress. Student can start with application process by submitting all mandatory documents and wait for admit.

Once they receive their I-20, they can move with Visa process and book flight tickets, Application will provide suggestions based on destination and cost. Student can start working on their travel, necessary shopping. Predeparture can help students plan for temporary accommodation and airport pick-ups by connecting with old students with in the same city where they can post and comment about accommodation.

Post departure will consists of University Check-ins, Student Card issuing, attending Semester and academic orientation. They can look for permanent accommodation by connecting with new and old students.

## 2. Project Goals and Objectives

### **2.1 Overall Goal**

Goal is to create Hybrid Application which is easy to access for students where they can plan and organize their study and living for their academic goal at UMKC.

### **2.2 Specific Objectives**

To guide International students travelling from different geographies to UMKC to understand admission and travel process to United States.

### **2.3 Specific features**

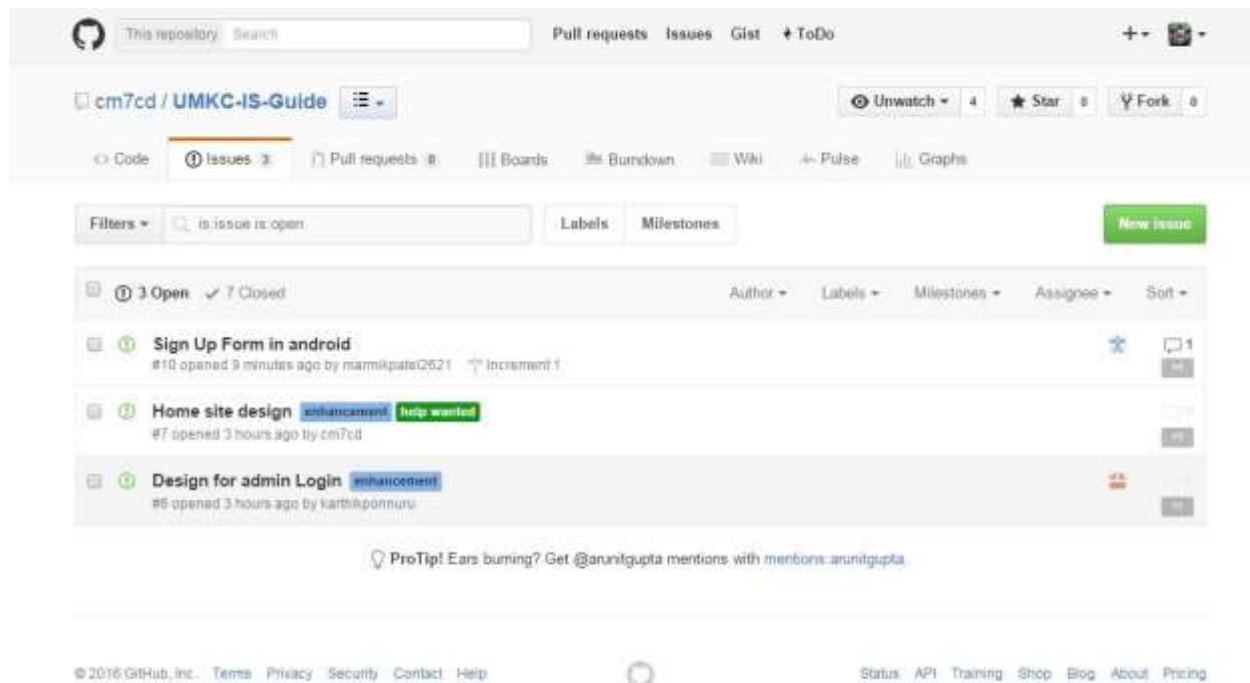
- 2.3.1 Post and Comment – Students can post and comment on the queries.
- 2.3.2 Dashboard – Students can set up their account, track their progress.
- 2.3.3 Reminders – Tasks which are due will be send a reminder to students.
- 2.3.4 Allocation – Temporary accommodation will be assigned based on requirements.

### **2.4 Significance**

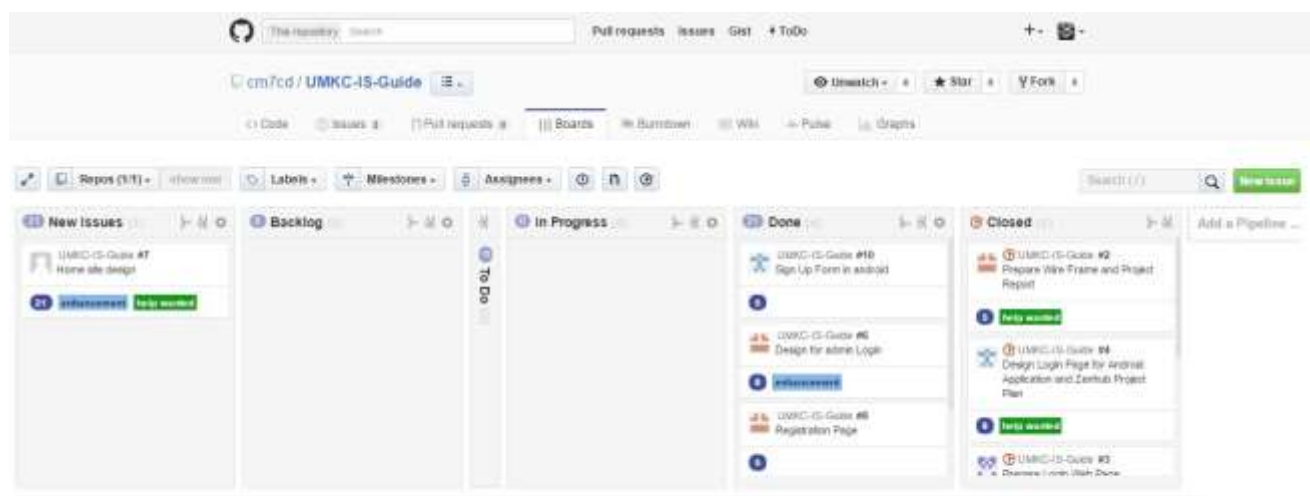
This Application provides a wide range of information to guide the upcoming students, there are a couple of sources which exist but are not official.

## 3. Project Plan

### 3.1 Zen Hub Screenshot



### 3.2 Project Timelines, Members, Task Responsibility



### 3.3 Burn down Chart

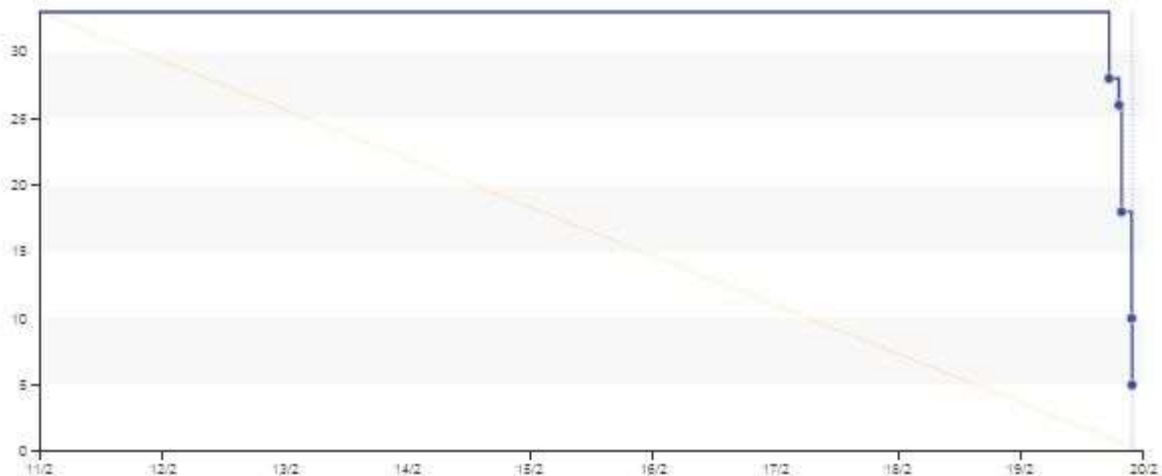
#### Increment 1







1. Prepare Revised Project Proposal
2. Prepare Class Diagram and Project Report
3. Design Wireframe and Login page
4. Prepare incremental plan for project

 Edit Milestone  Change Milestone -

Start: Feb 11, 2016 [Edit](#) Due: Feb 20, 2016 [Edit](#)

generated by ZenHub



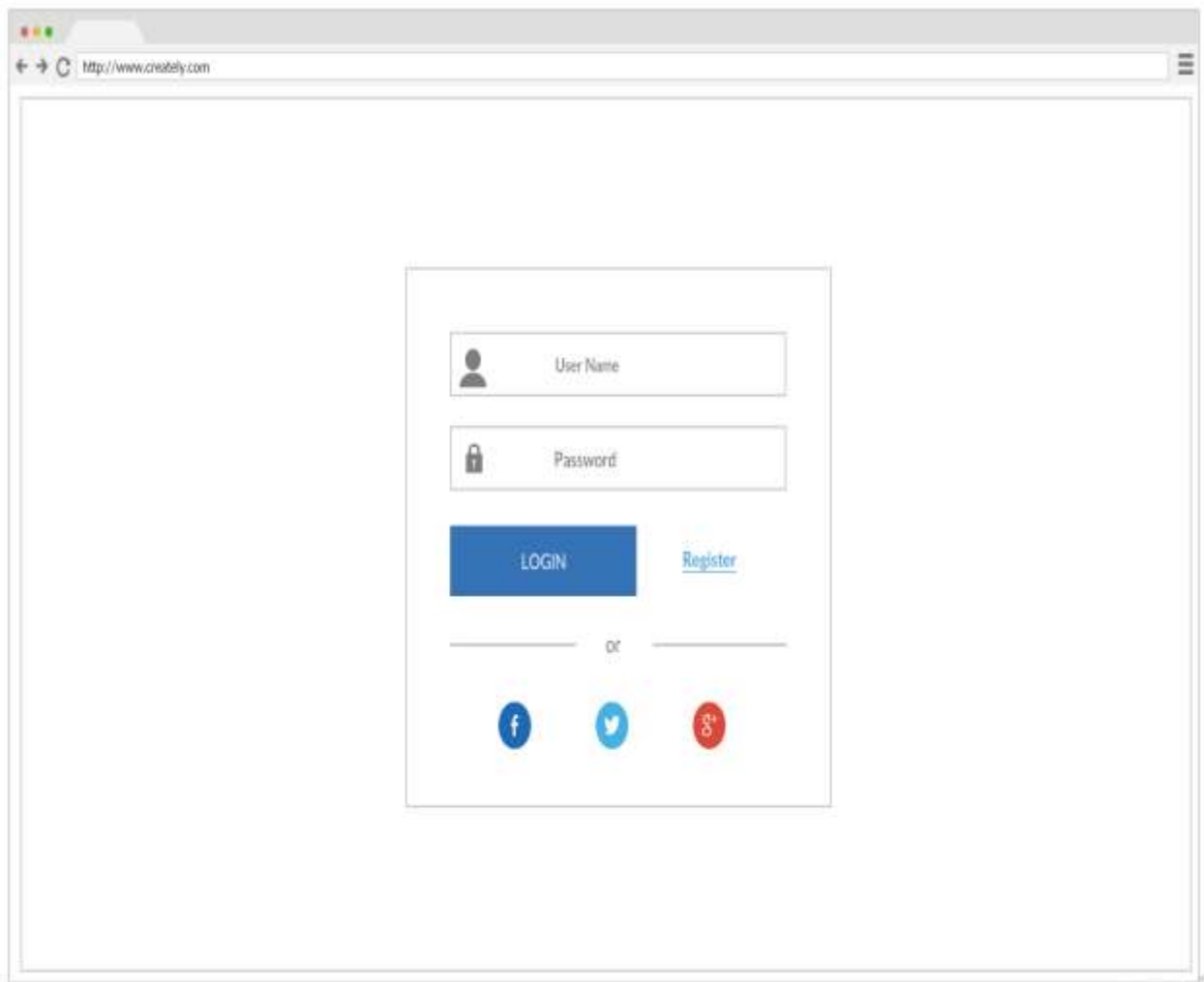
| Issues   | Story Points |
|--|--------------|
|  #10 Sign Up Form in android  | 5            |
|  #4 Design Login Page for Android Application and Zenhub Project Plan | 8            |
|  #3 Prepare Login Web Page  | 8            |
|  #2 Prepare Wire Frame and Project Report                             | 6            |
|  #1 Prepare Project Proposal and Class Diagram                        | 6            |
|  #5 Design Logo For Application                                       | 2            |

## 4. Design

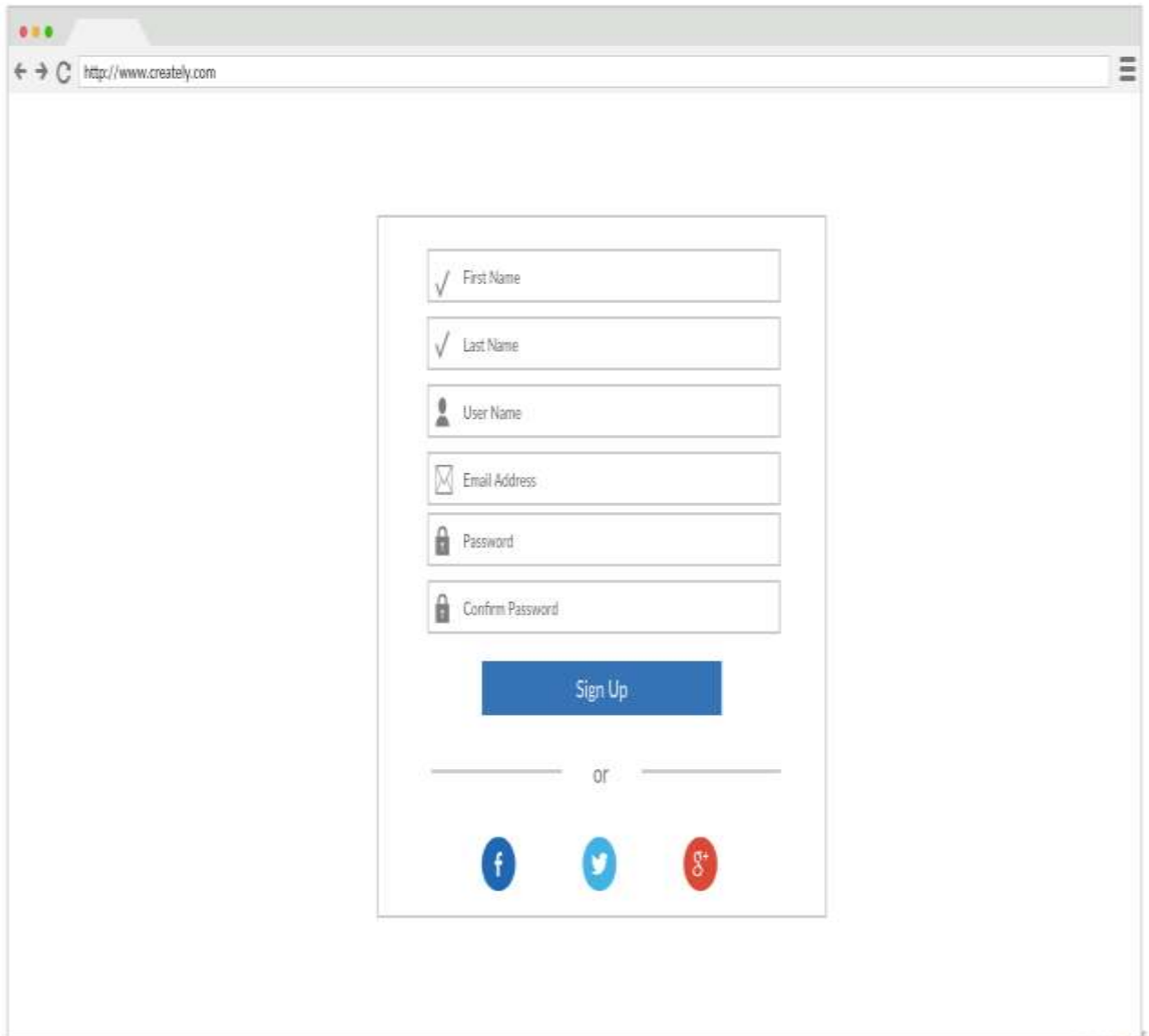
### 4.1 Detailed Design of Features

#### Wireframes

##### ❖ Login through Website



## ❖ Registration through Website

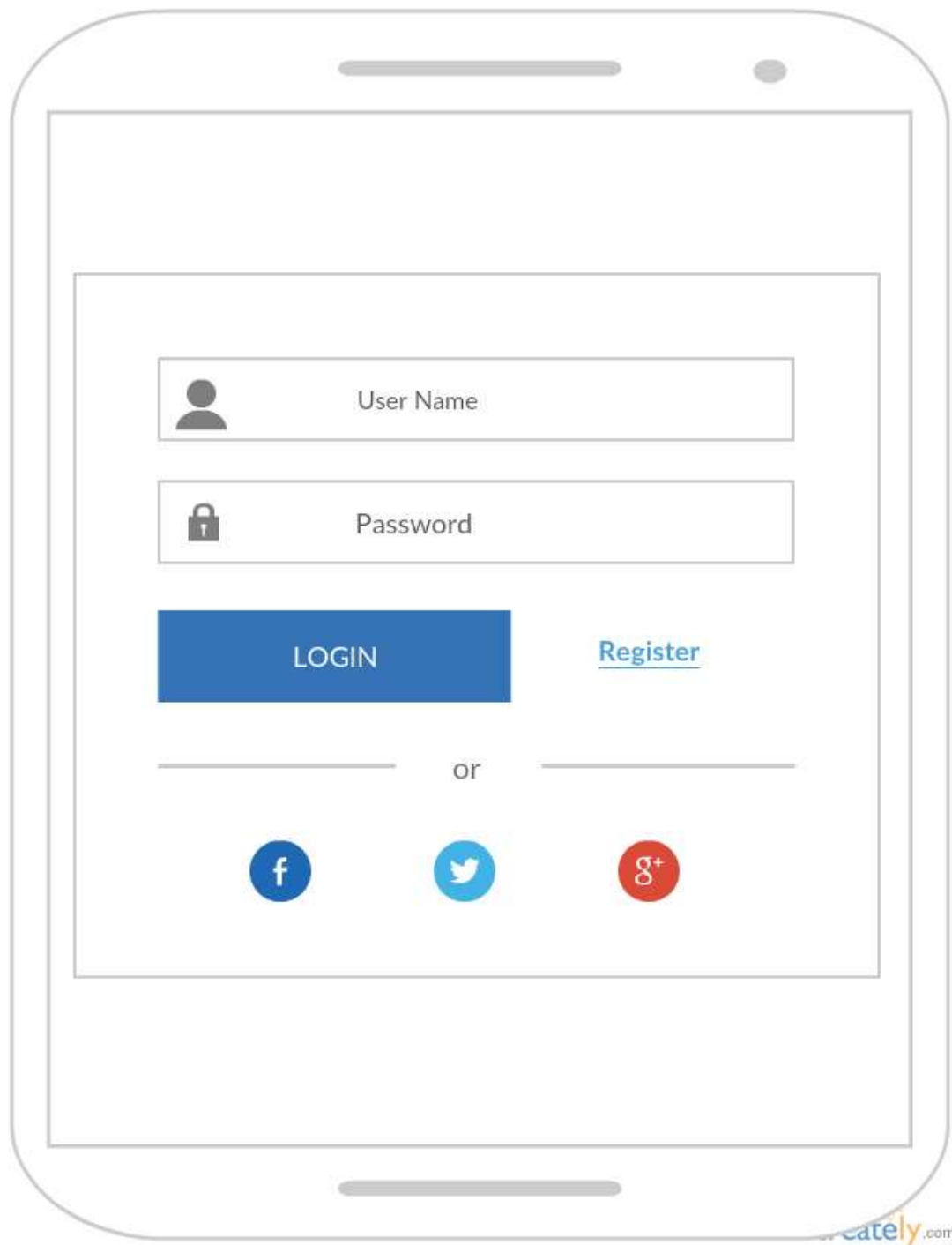


The screenshot displays a web browser window with the address bar showing <http://www.createily.com>. The main content area features a registration form with the following elements:

- Input fields for "First Name" and "Last Name", each preceded by a checkmark icon.
- An input field for "User Name" preceded by a person icon.
- An input field for "Email Address" preceded by an envelope icon.
- Input fields for "Password" and "Confirm Password", each preceded by a lock icon.
- A blue "Sign Up" button.
- A horizontal line with the word "or" in the center, indicating alternative login methods.
- Three circular social media icons: Facebook (blue with 'f'), Twitter (light blue with bird), and Google+ (red with 'g+').



## ❖ Login through Android



## ❖ Registration through Android

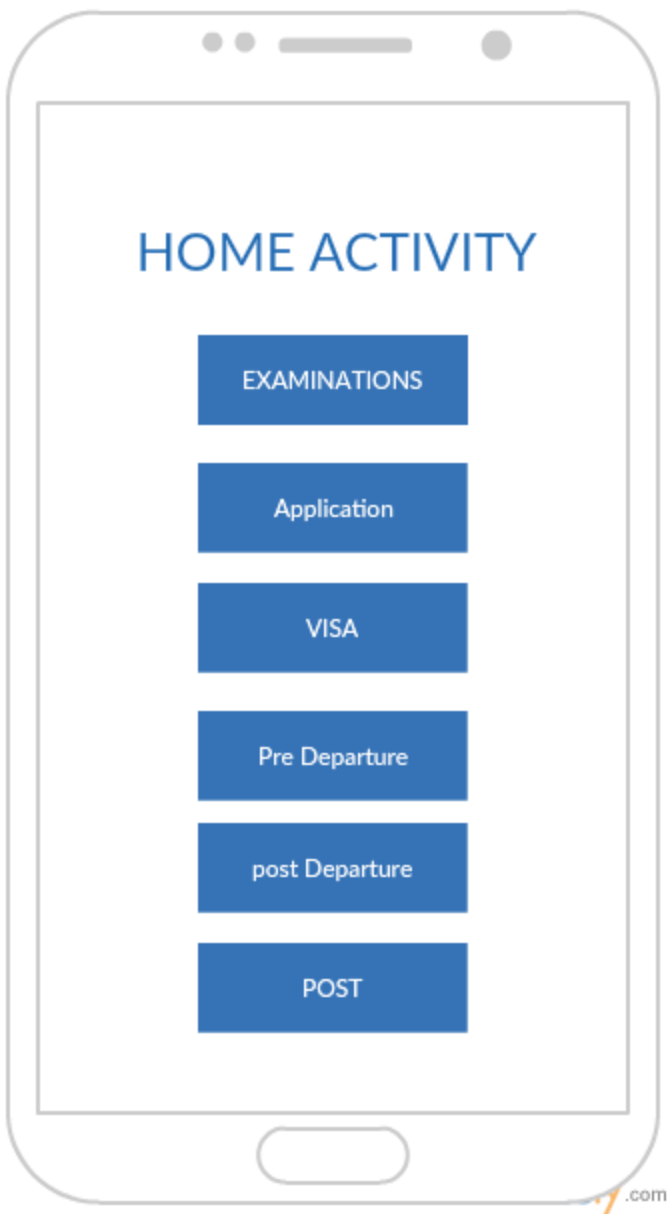


A registration form displayed on an Android tablet screen. The form includes the following fields and elements:

- First Name (with a checkmark icon)
- Last Name (with a checkmark icon)
- User Name (with a person icon)
- Email Address (with an envelope icon)
- Password (with a lock icon)
- Confirm Password (with a lock icon)
- A blue "Sign Up" button
- A separator line with the word "or" in the center
- Three social media login buttons: Facebook (f), Twitter (bird), and Google+ (g+)

The form is presented within a stylized Android tablet frame. A small "acely.com" watermark is visible in the bottom right corner of the tablet screen.

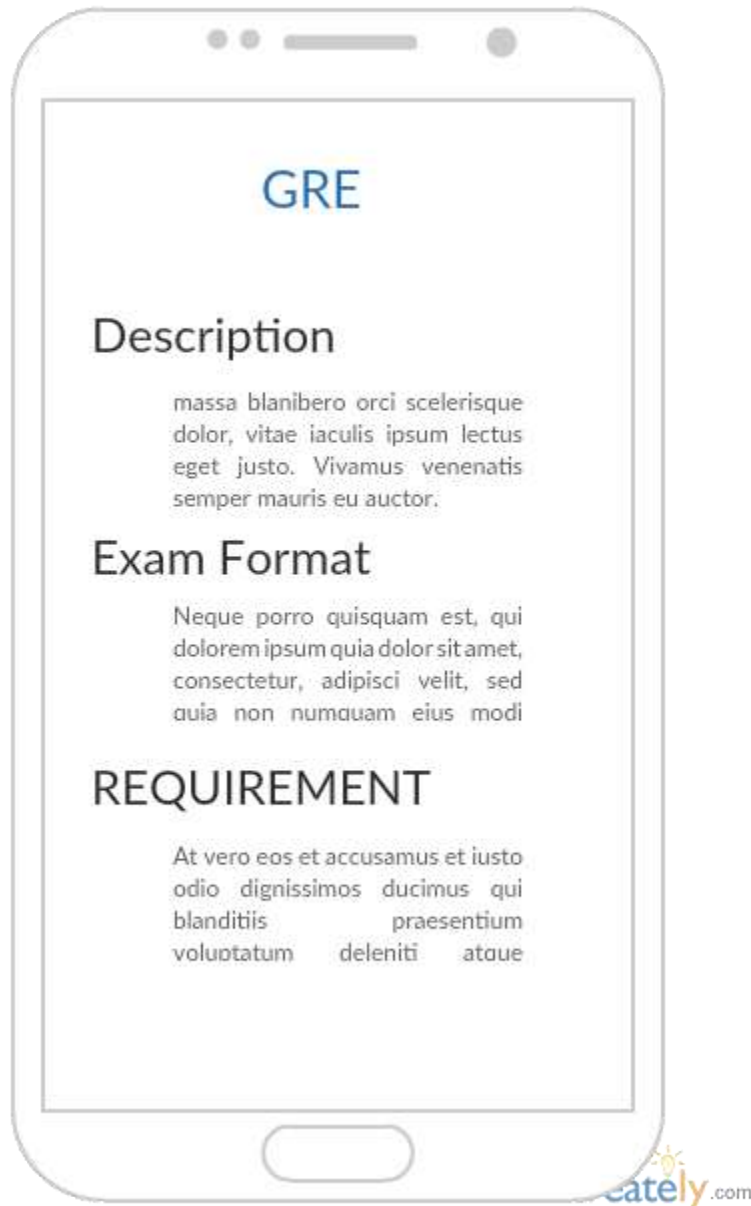
## ❖ Home Activity



## ❖ Exam Activity



## ❖ GRE Activity



## ❖ IELTS Activity



## ❖ Resource Activity



## ❖ TOEFL Activity

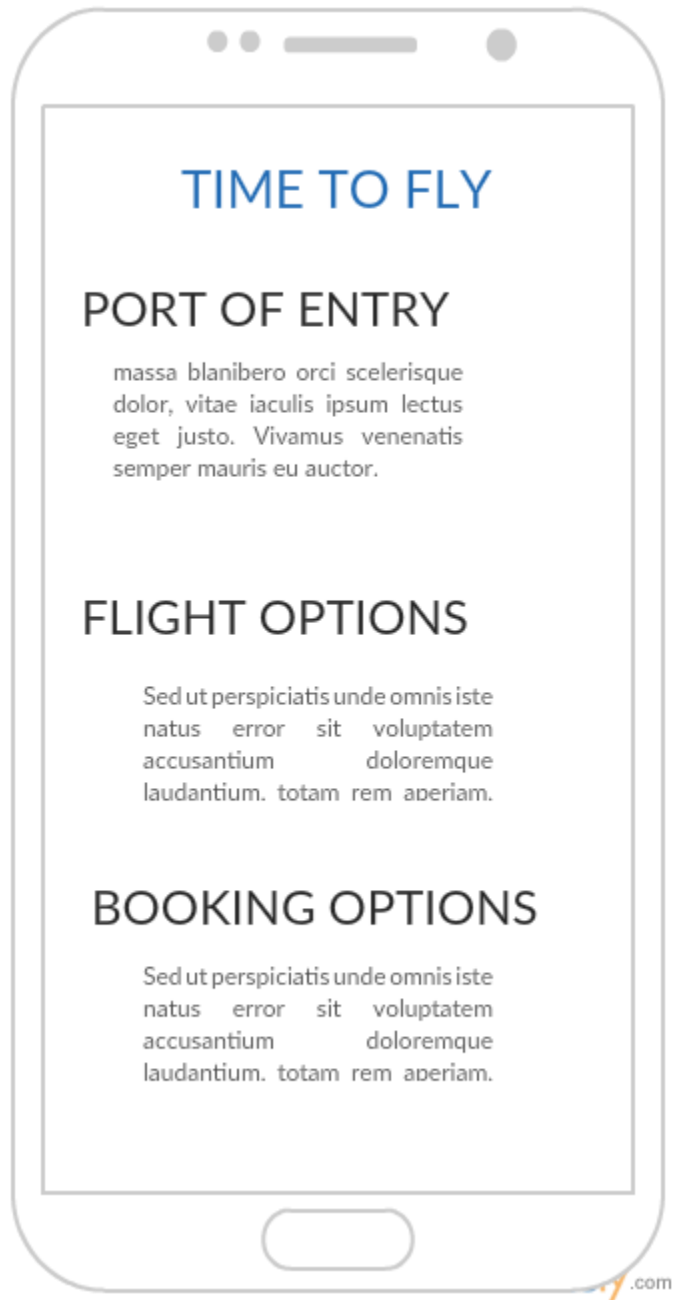




## ❖ VISA Activity



## ❖ Flight Activity



## ❖ Shopping Activity



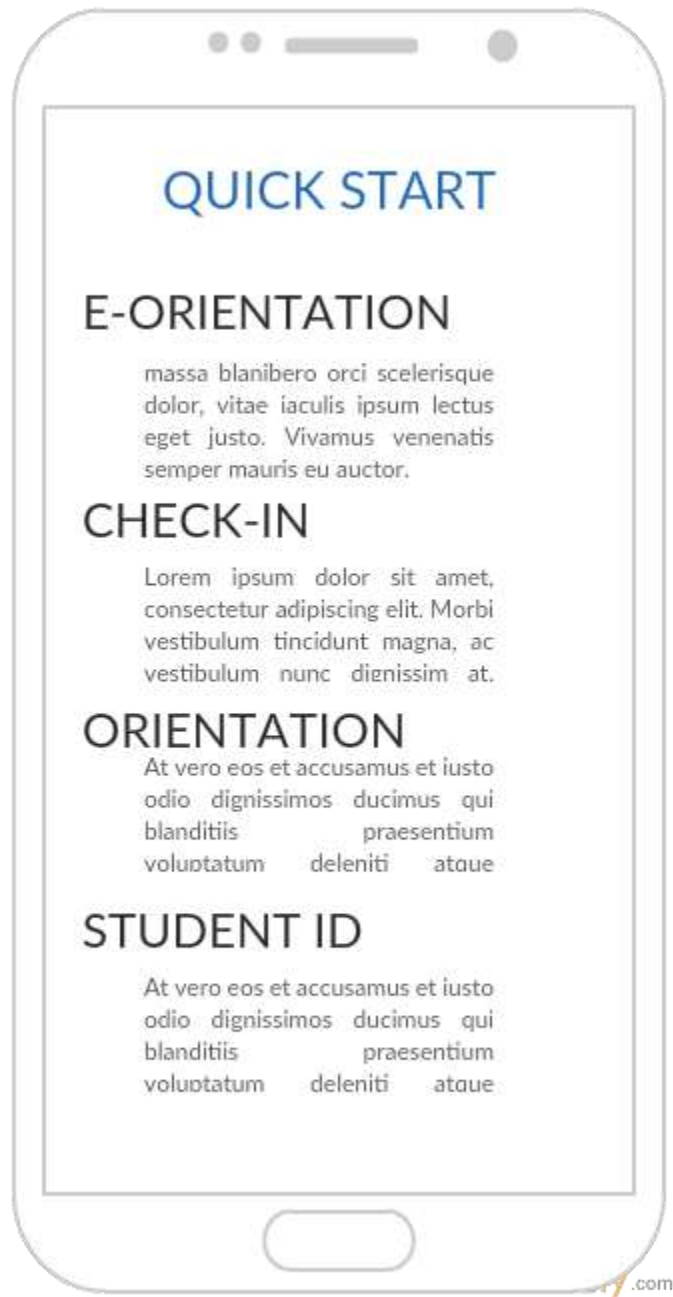
## ❖ Fee Activity



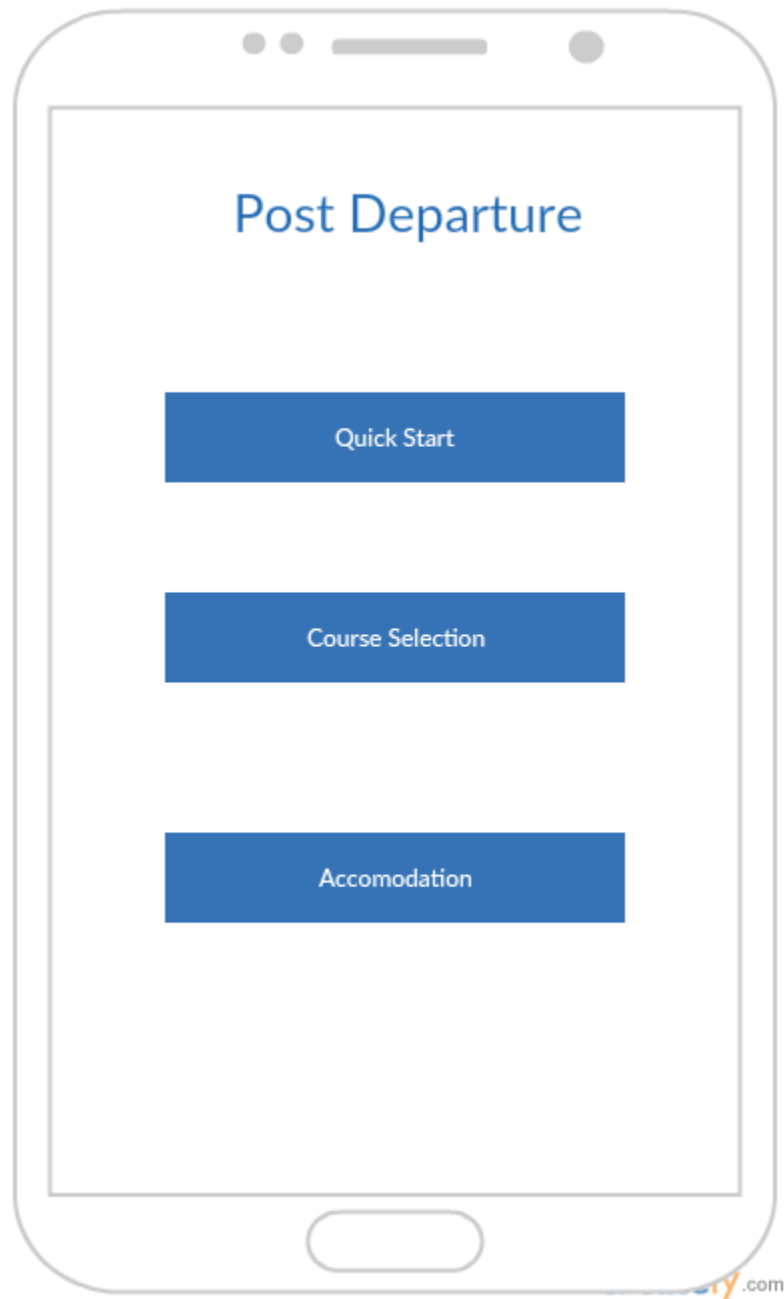
## ❖ Accommodation Activity



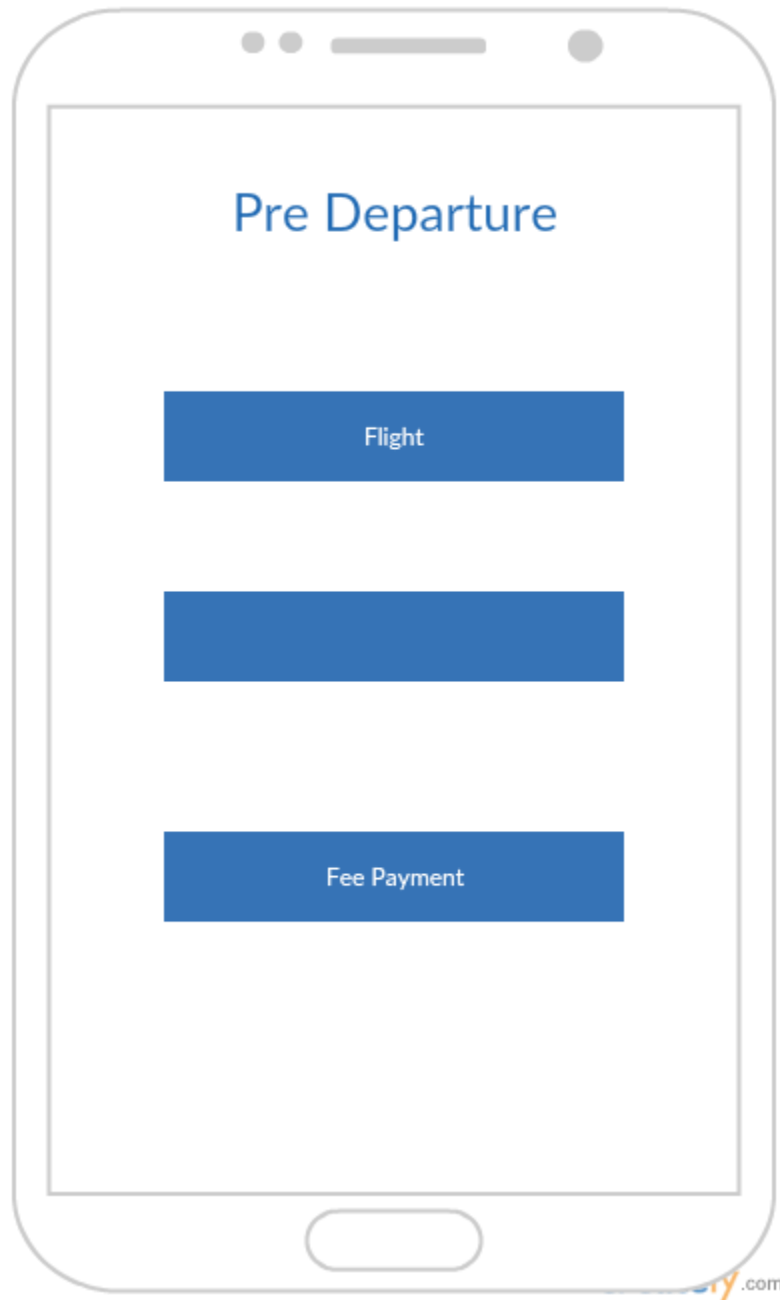
## ❖ Quick Start Activity



### ❖ Pre Departure Activity

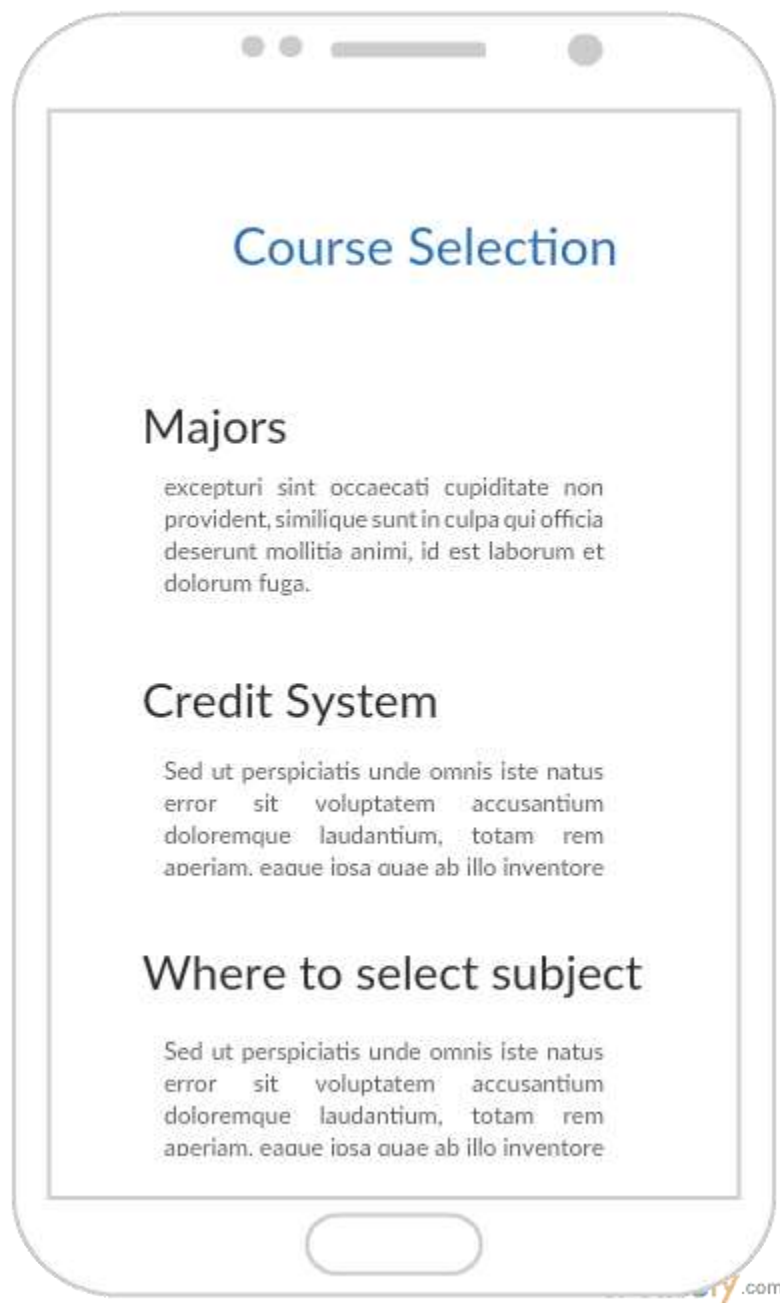


## ❖ Post Departure Activity





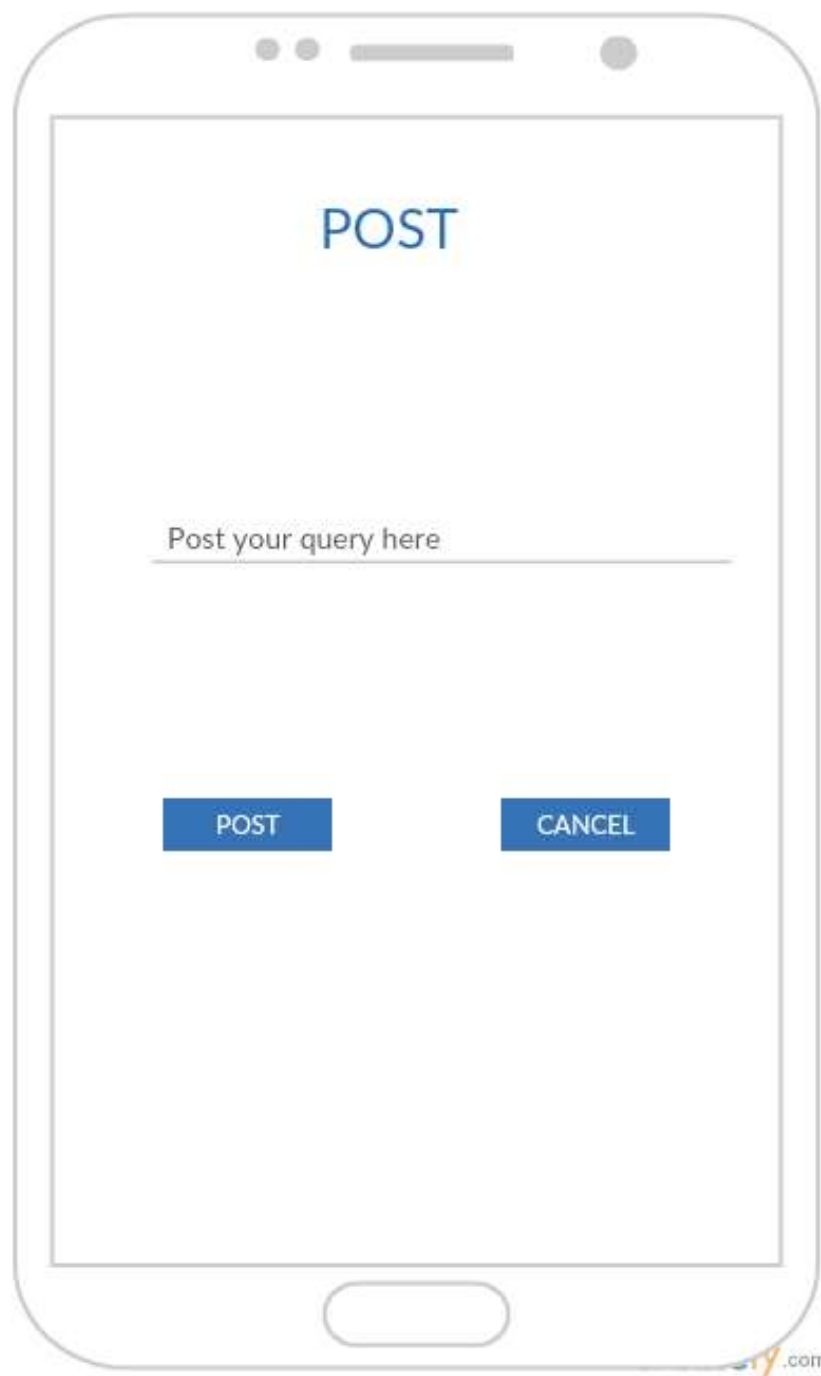
## ❖ Course selection



## ❖ View Post Activity



## ❖ Post Query Activity

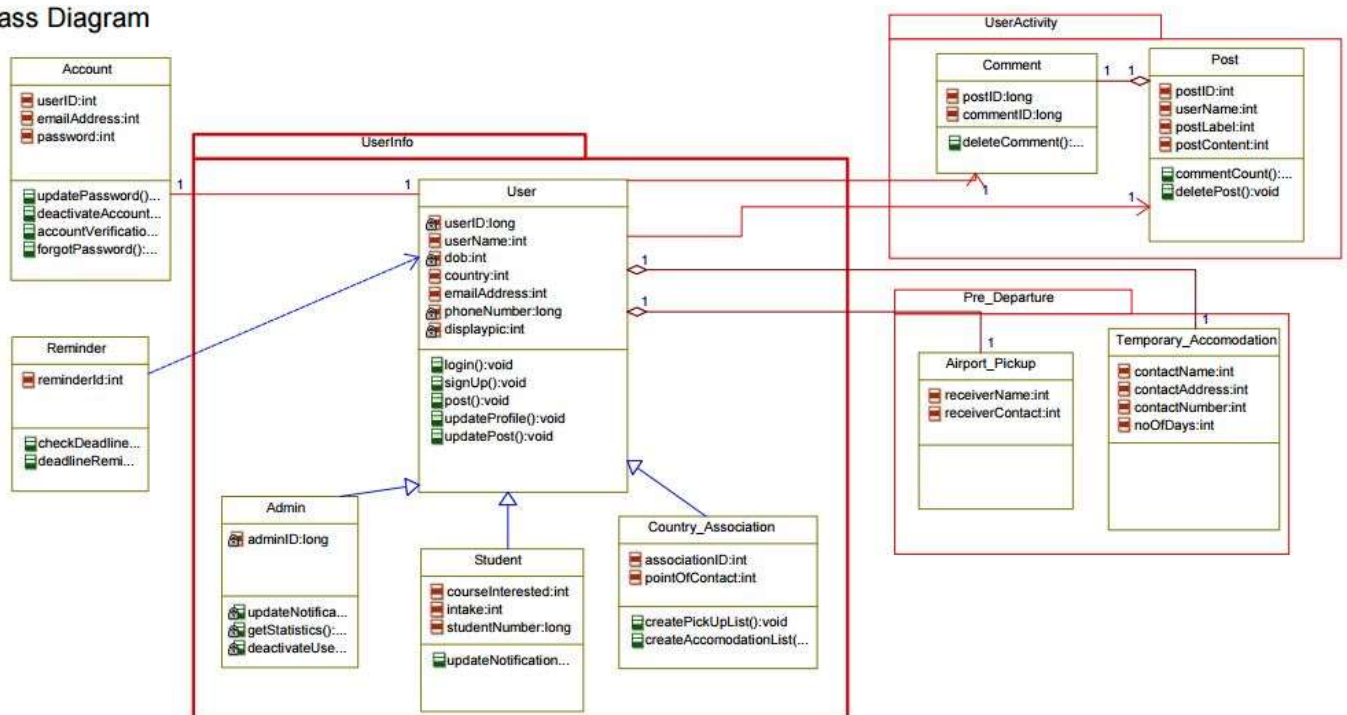


## ❖ Comment on Post Activity



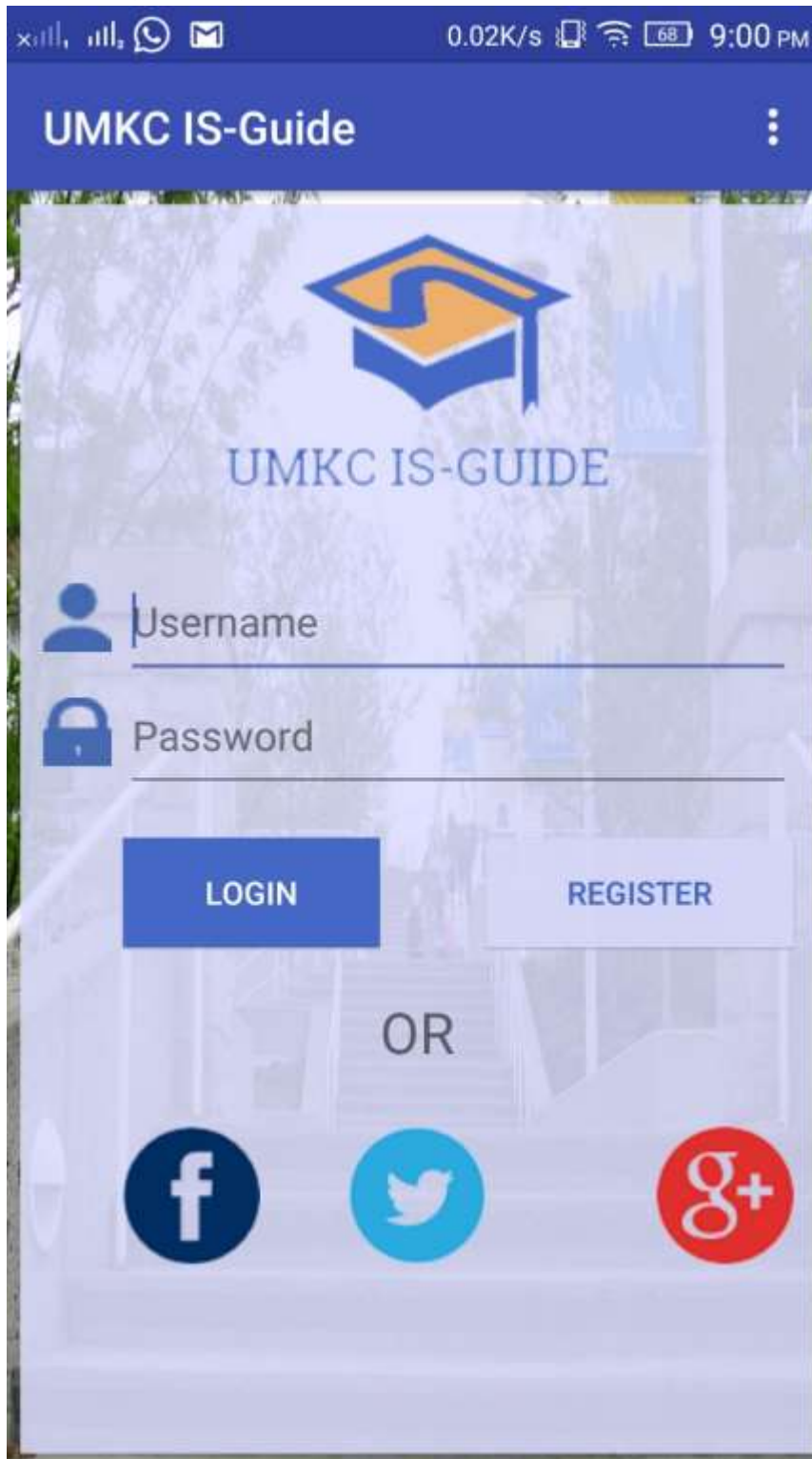
## 4.2 Class Diagram

Class Diagram

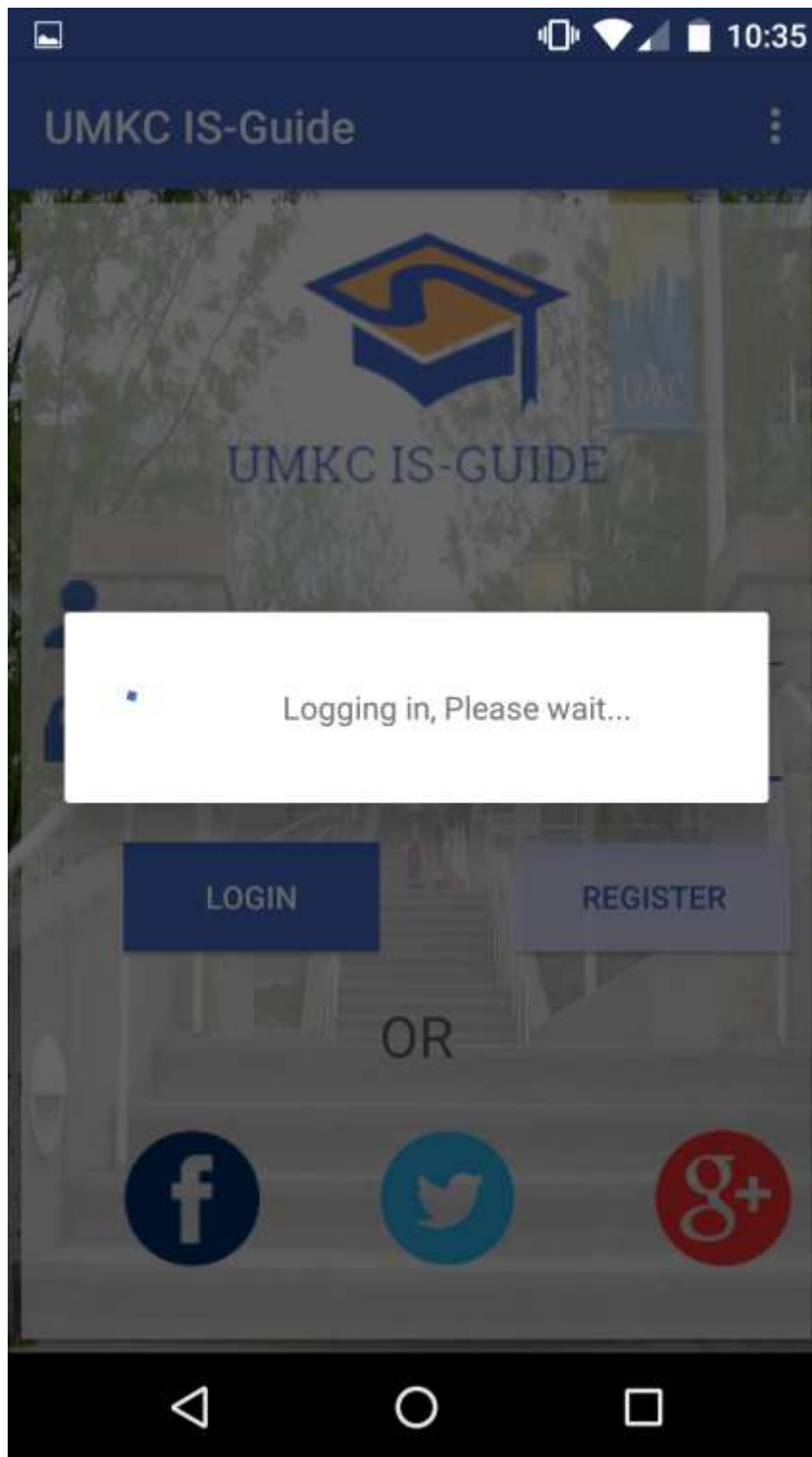


## 5. Implementation and Deployment

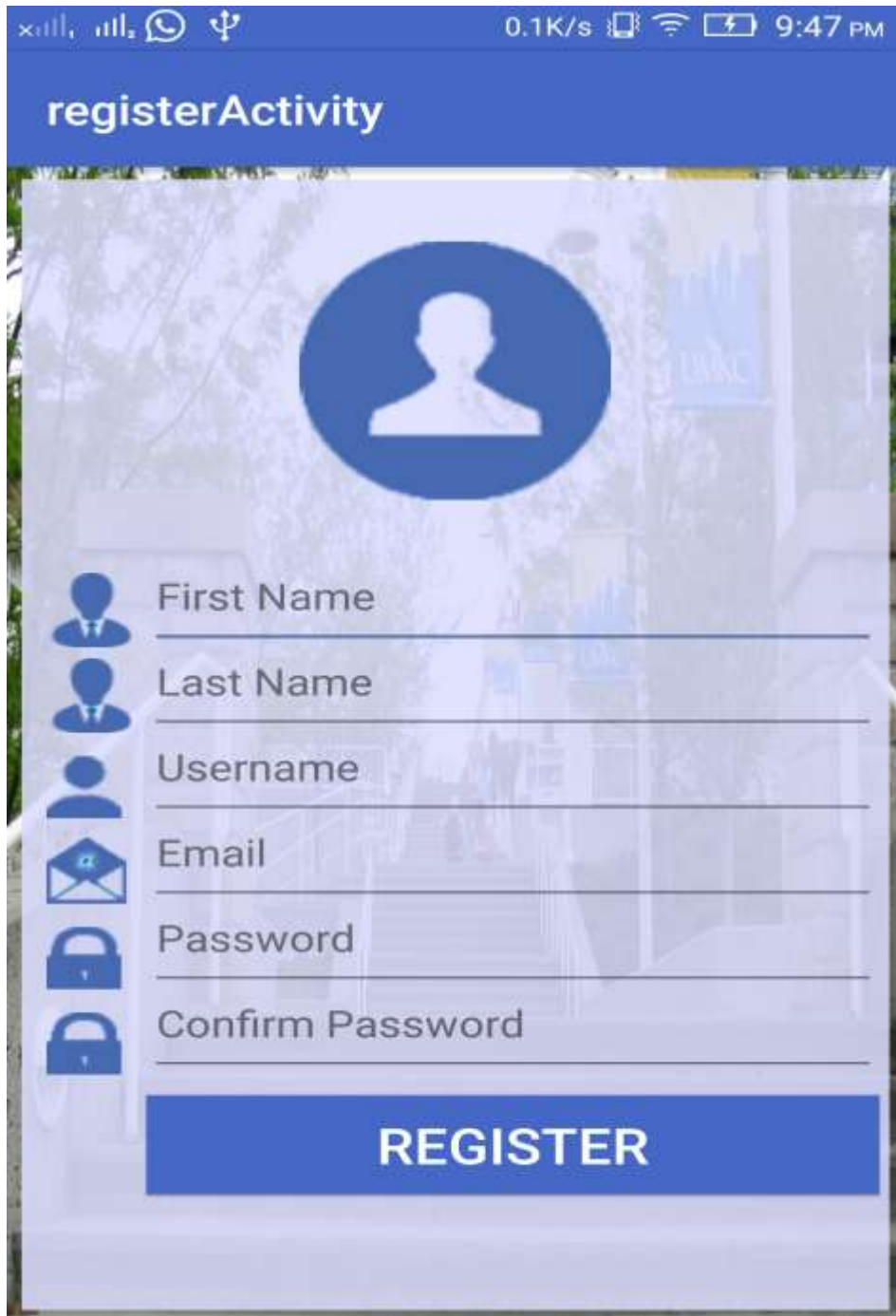
### ❖ Login Page Using Android



❖ Login using MongoDB Connection



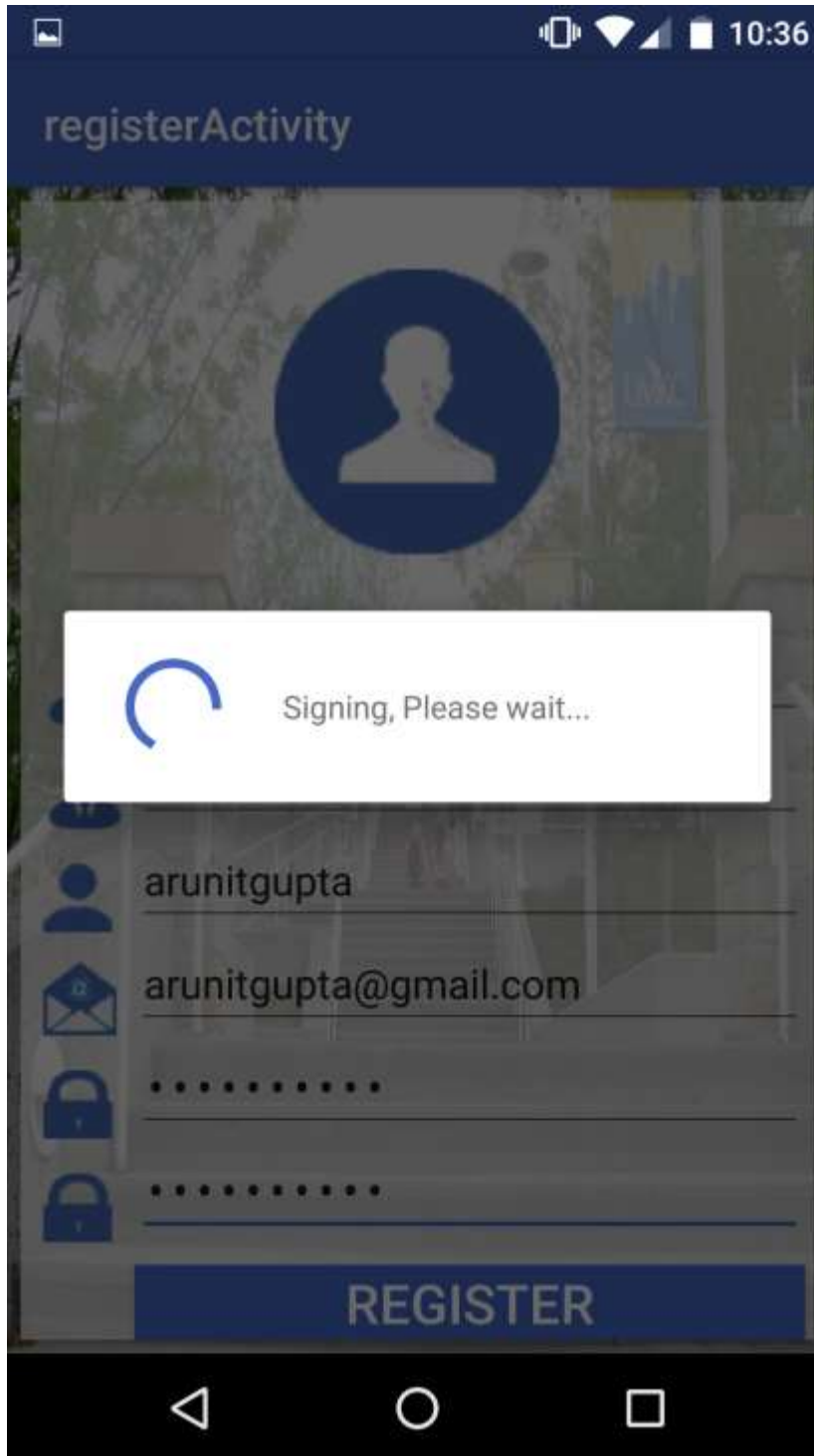
## ❖ Registration using Android



The screenshot shows an Android application interface for registration. At the top, a blue header bar contains the text "registerActivity". Below the header, there is a large circular profile picture placeholder with a white silhouette of a person on a blue background. Underneath the profile picture, there are six input fields, each preceded by a small blue icon: a person icon for "First Name", a person icon for "Last Name", a person icon for "Username", an envelope icon for "Email", a padlock icon for "Password", and a padlock icon for "Confirm Password". At the bottom of the form is a large blue button with the text "REGISTER" in white capital letters. The background of the form is a light blue gradient with a faint image of a building.



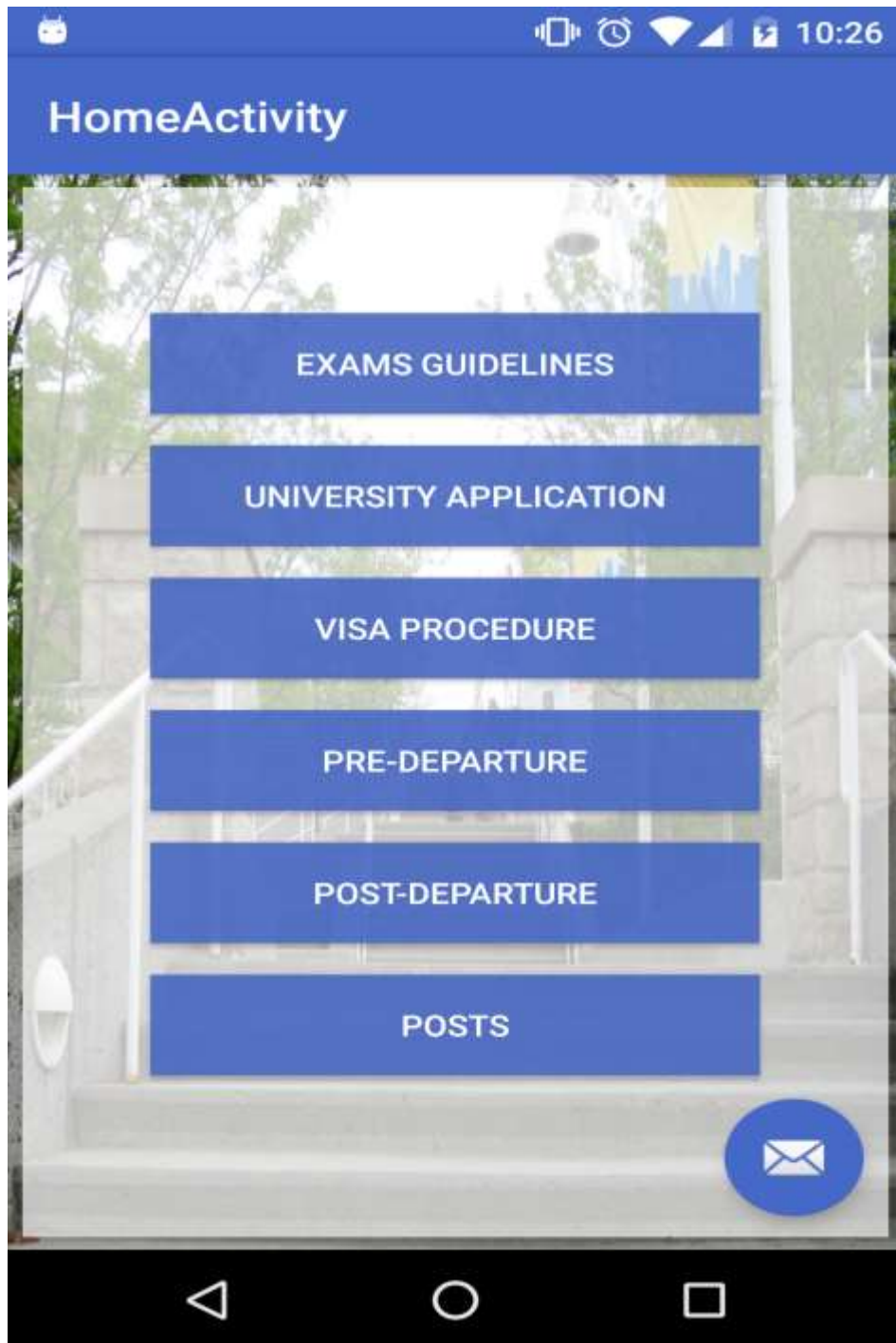
- Registration Activity using MongoDB Connection



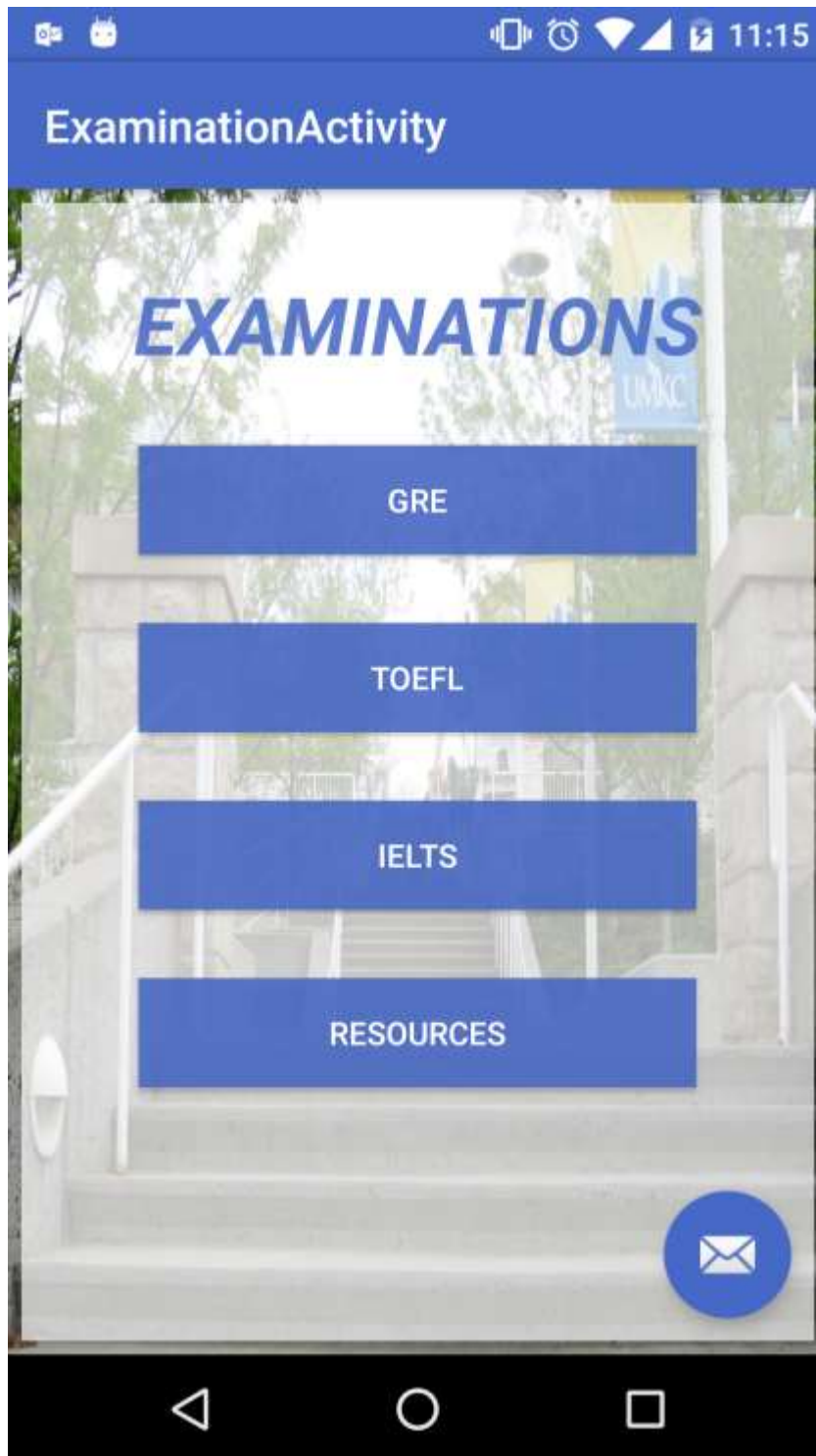
- Registration ID Generated after successful registration



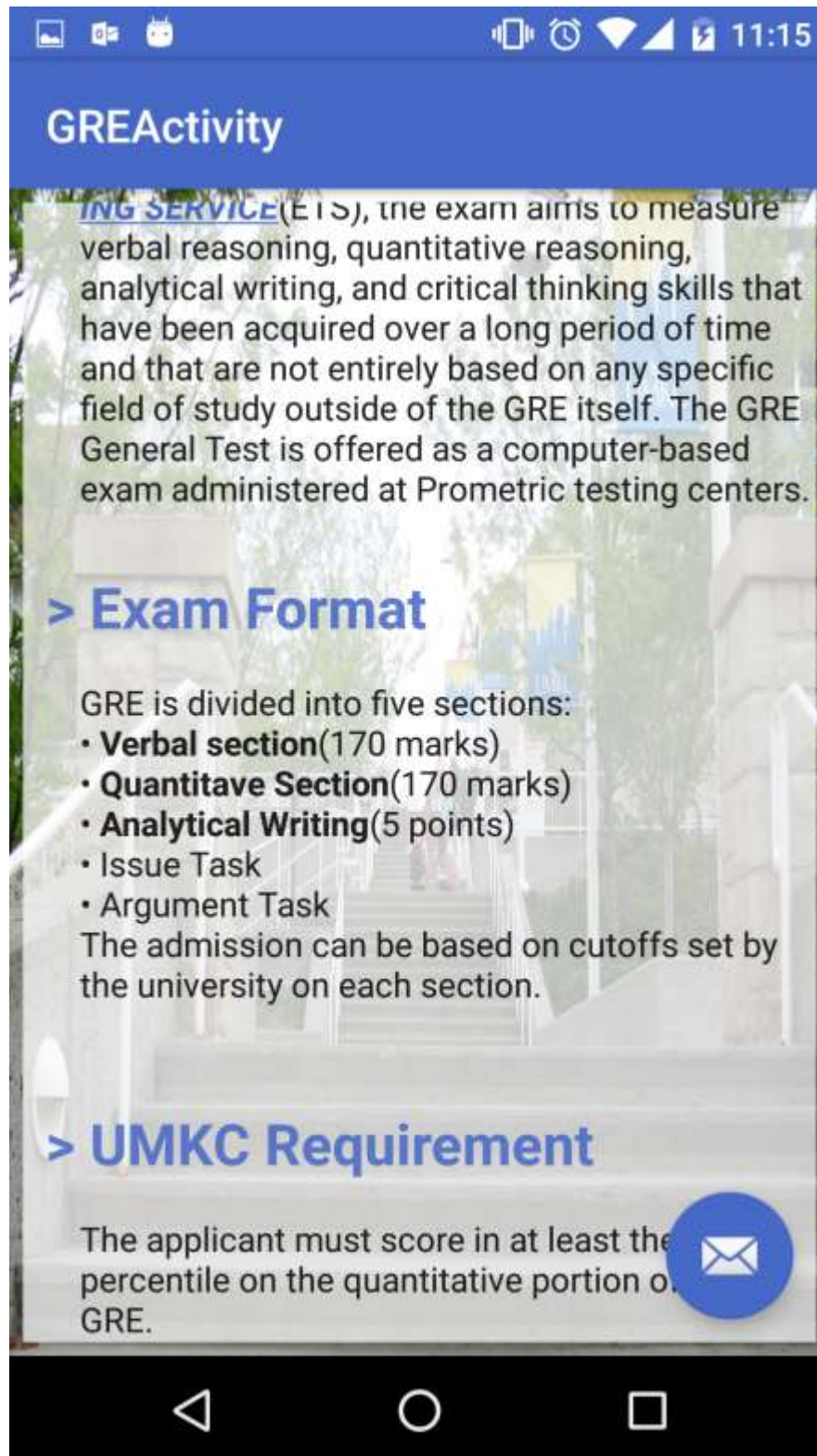
- Home Activity



- Examination Activity



- GRE Activity





- IELTS Activity



- TOEFL Activity

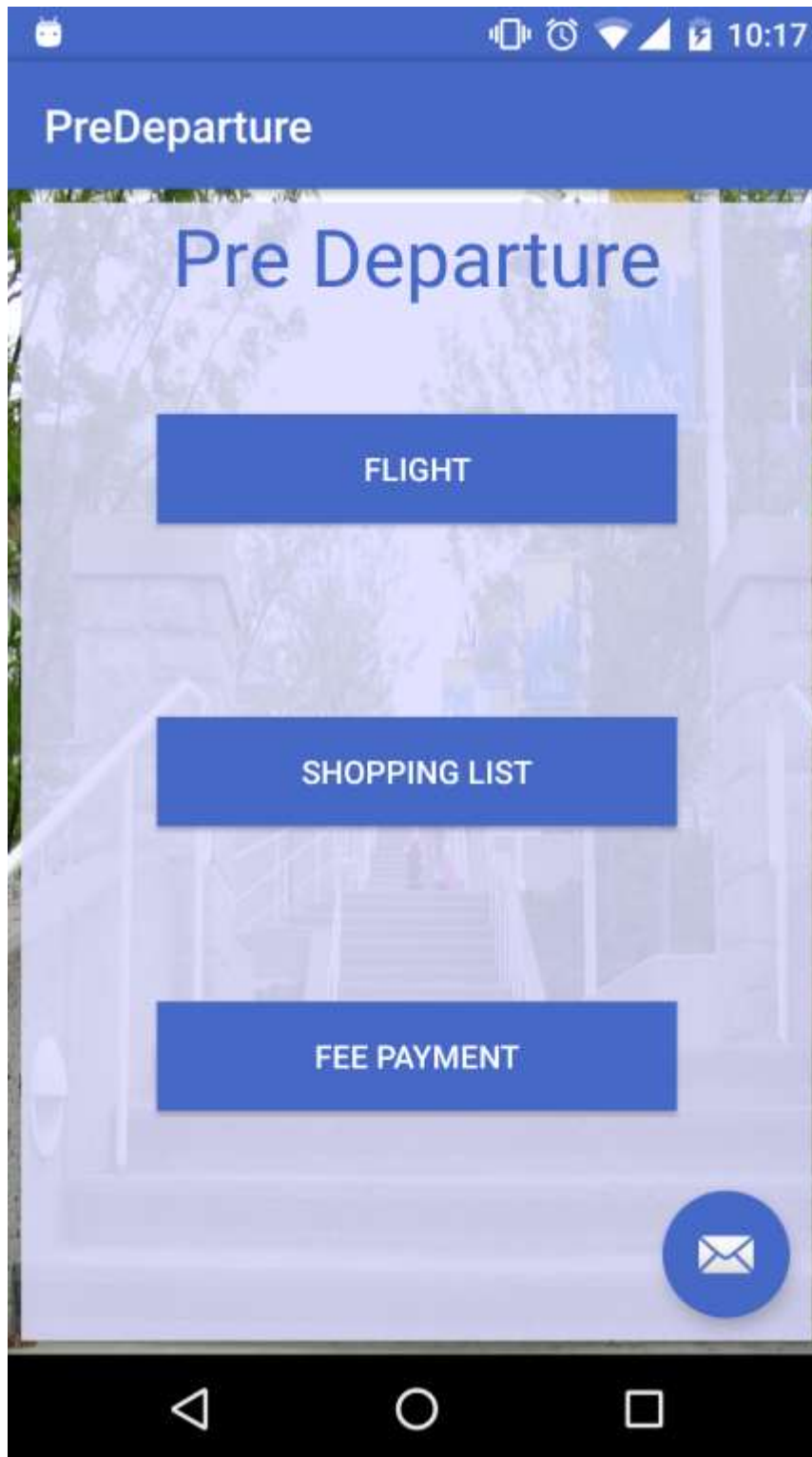


- VISA Activity





- Pre Departure Activity



- Flight Activity



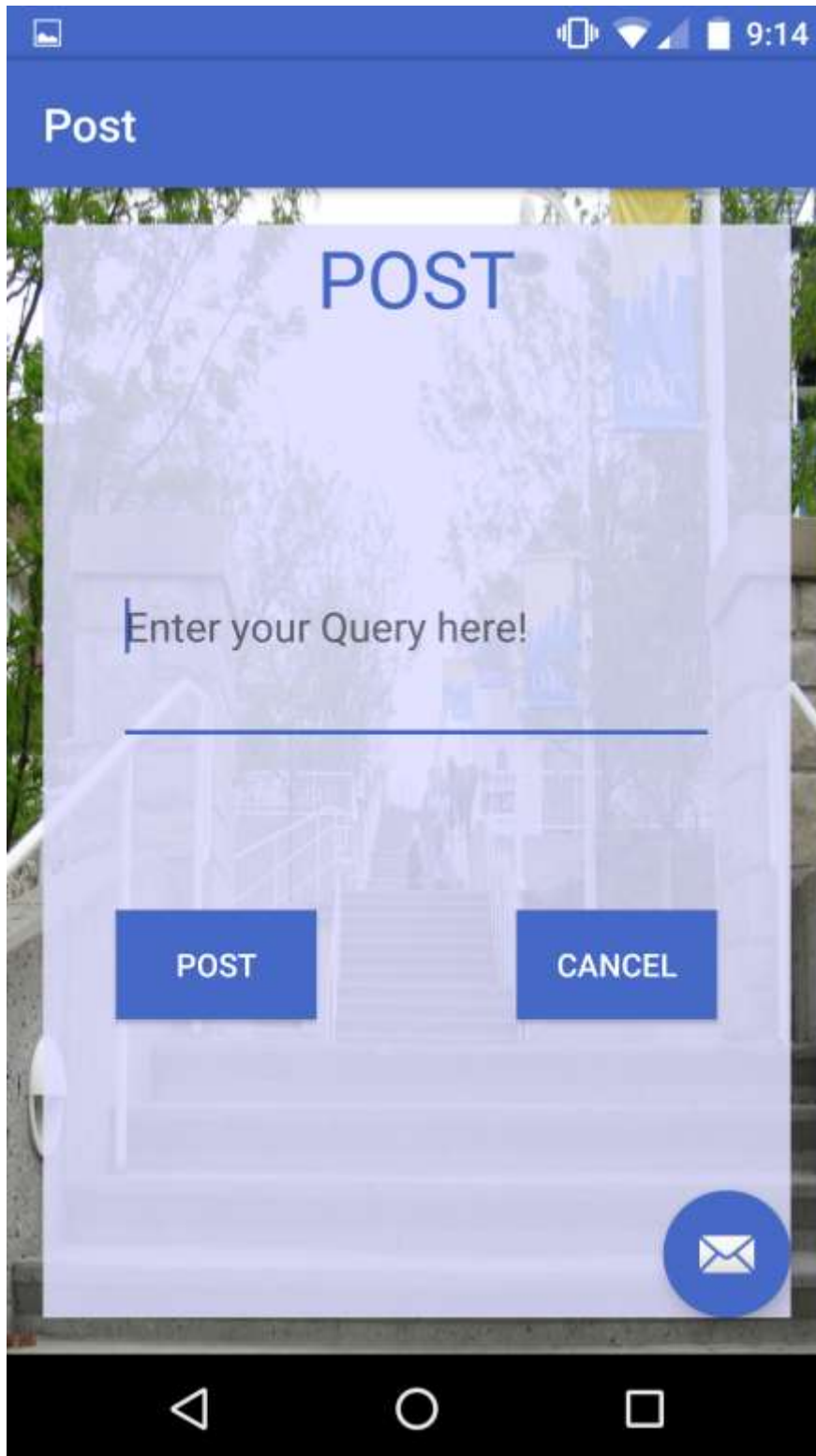
- Shopping Activity



- Fee Activity

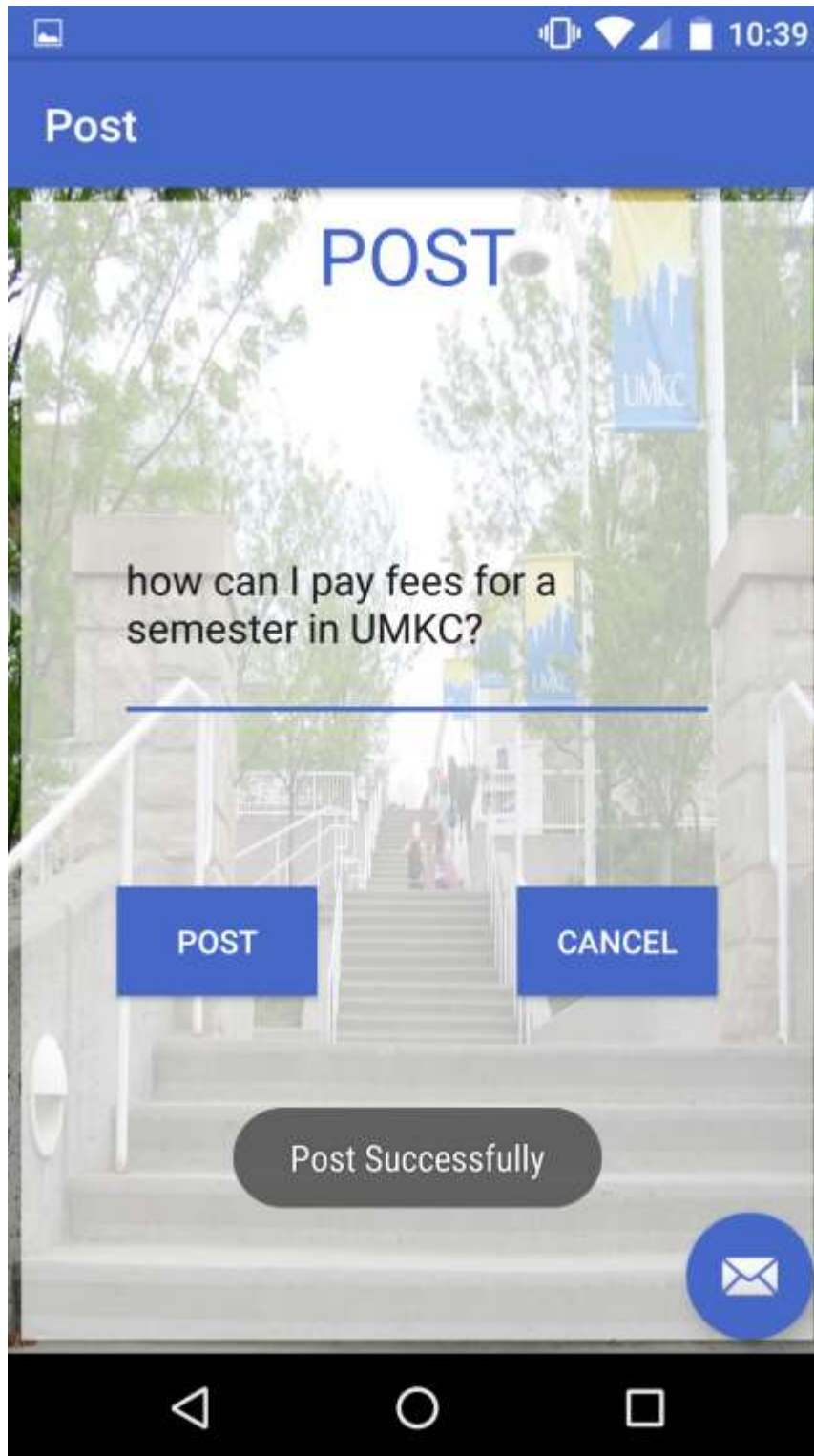


- Posting Query Activity





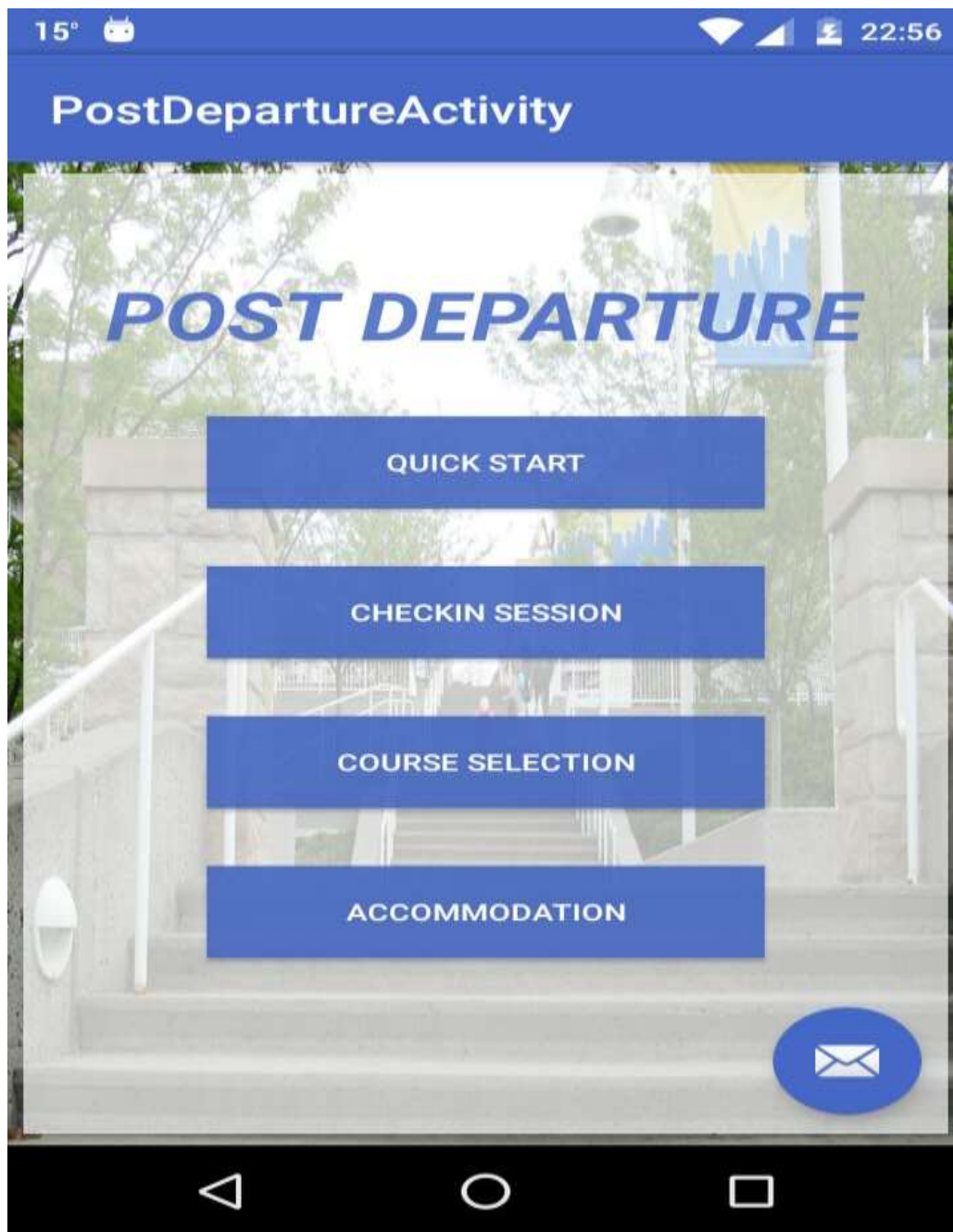
- User Posted Query



- Comments on Post



- Post Departure





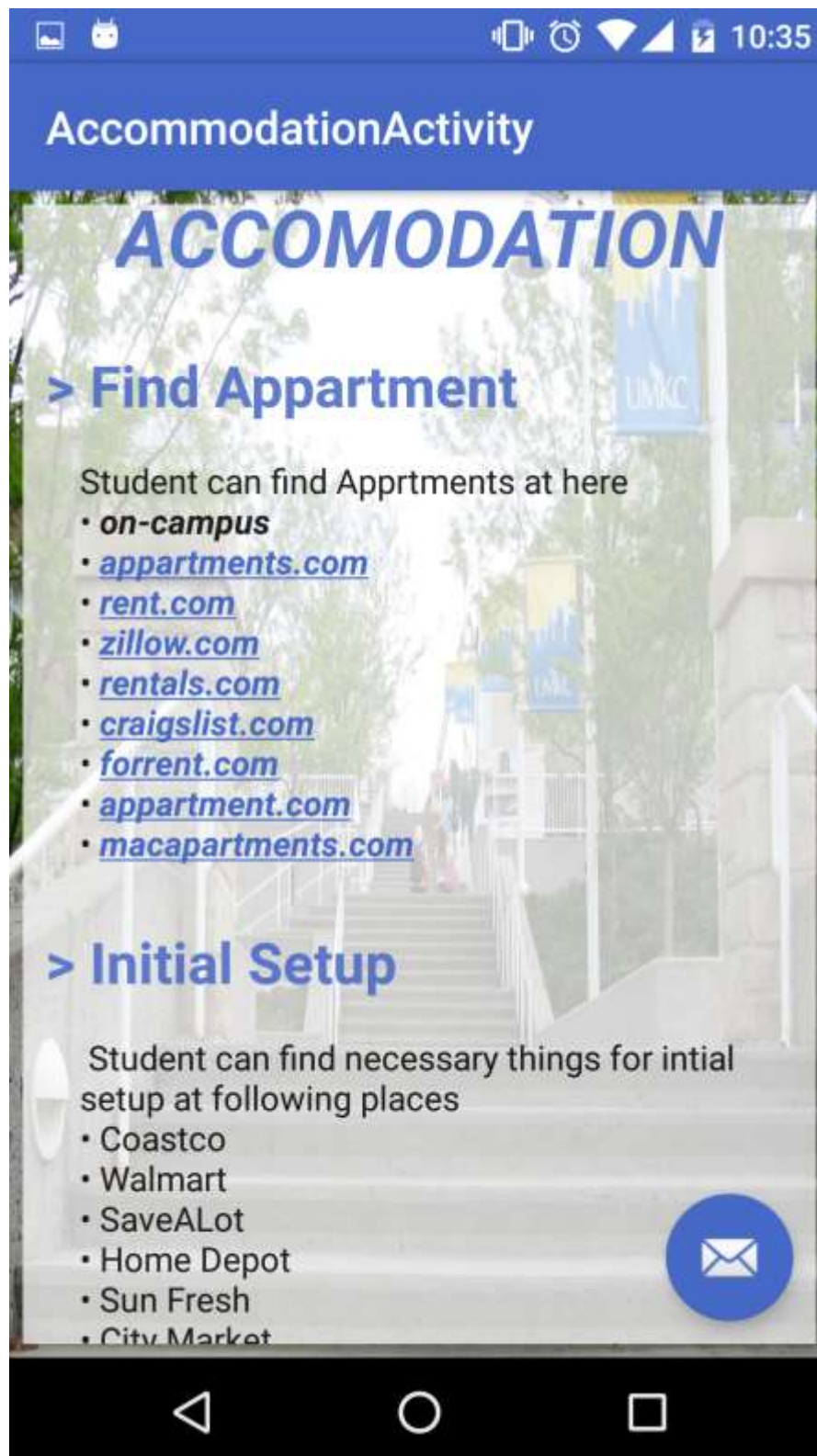
- Quick Start Activity



- Course Selection Activity



- Accommodation Activity

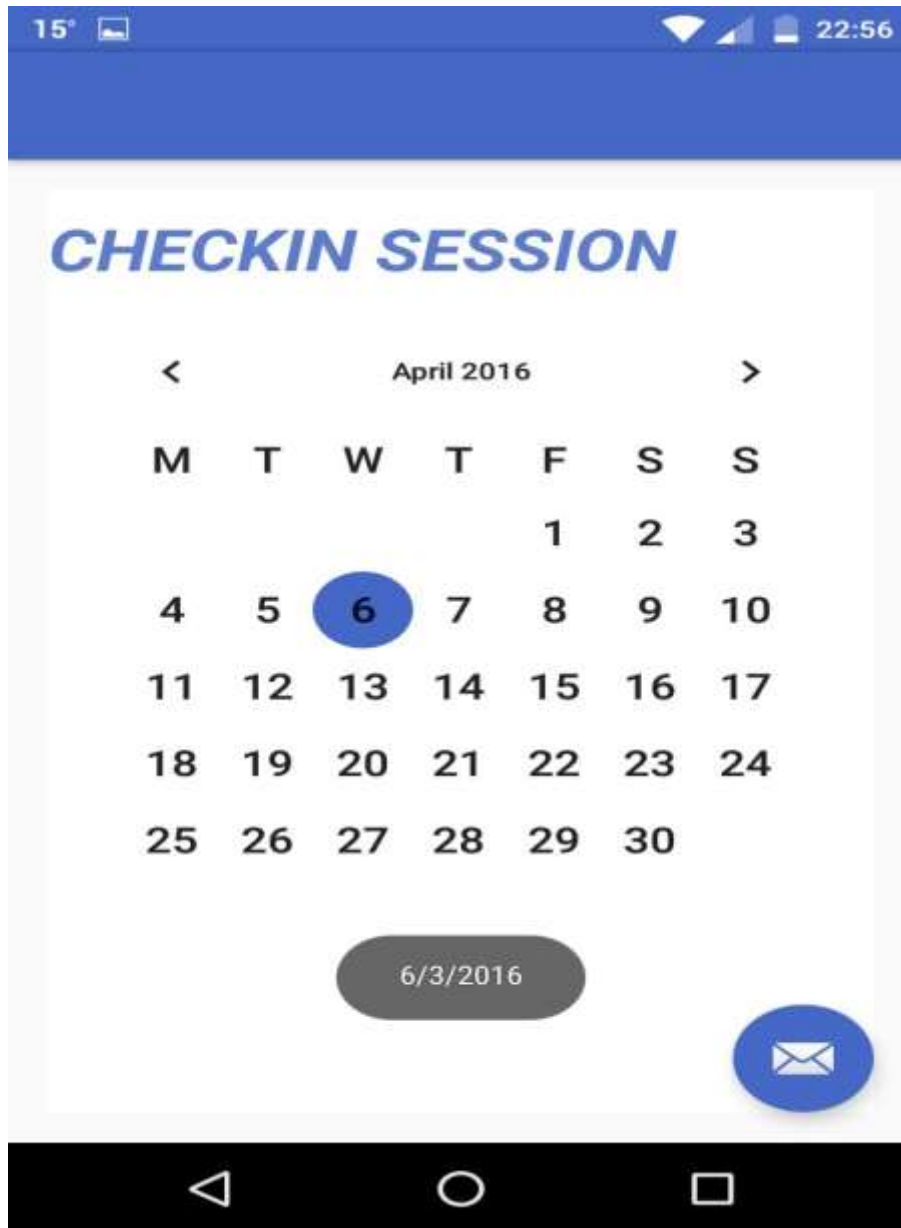




- Resources Activity

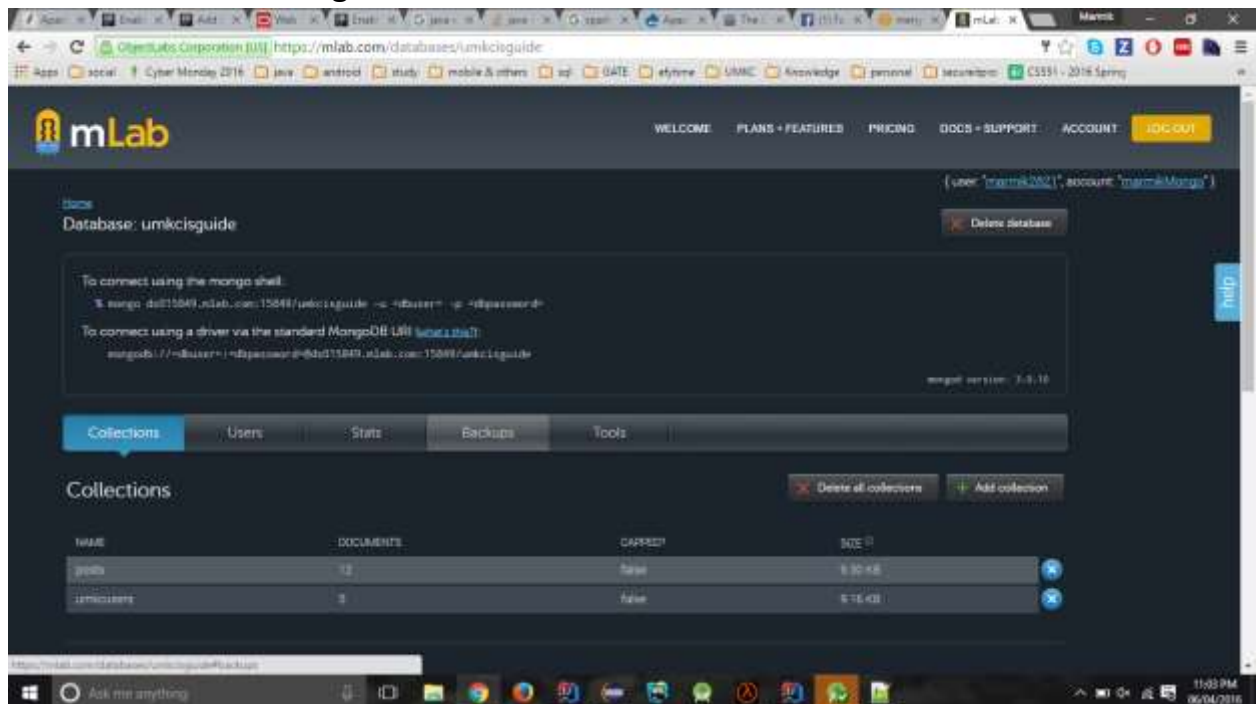


- Quick Start Activity

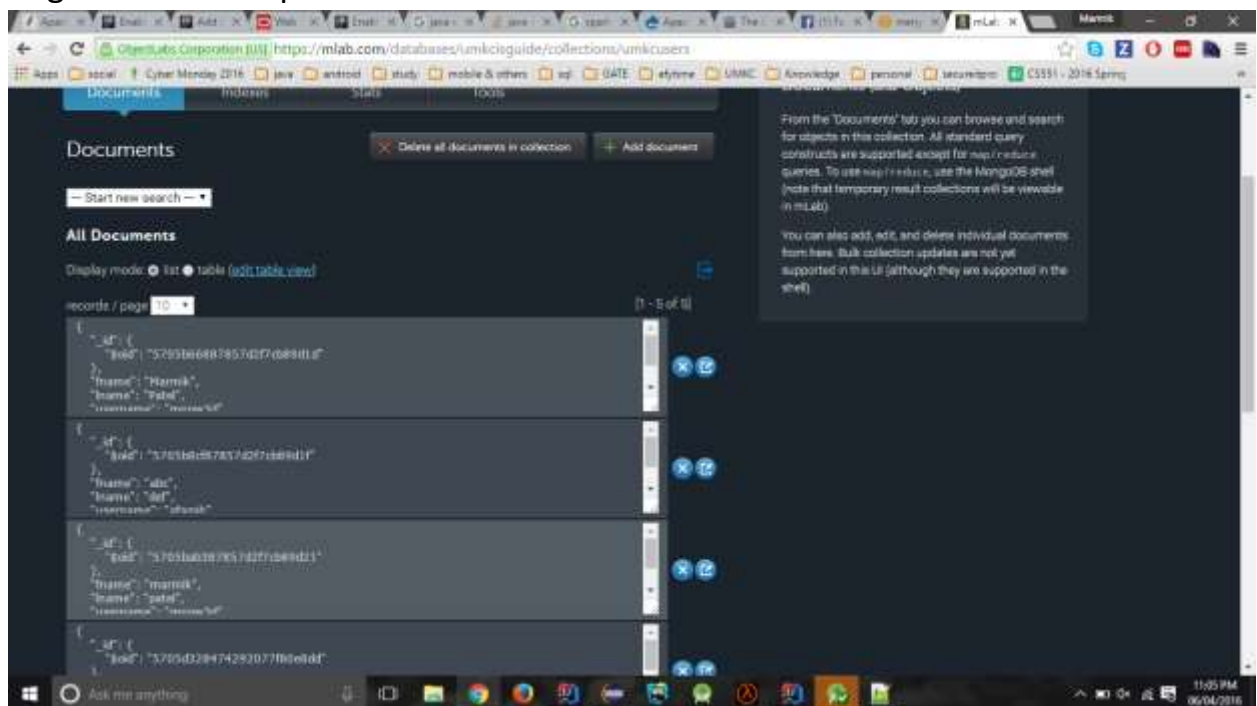


**Data Base Screenshots:**

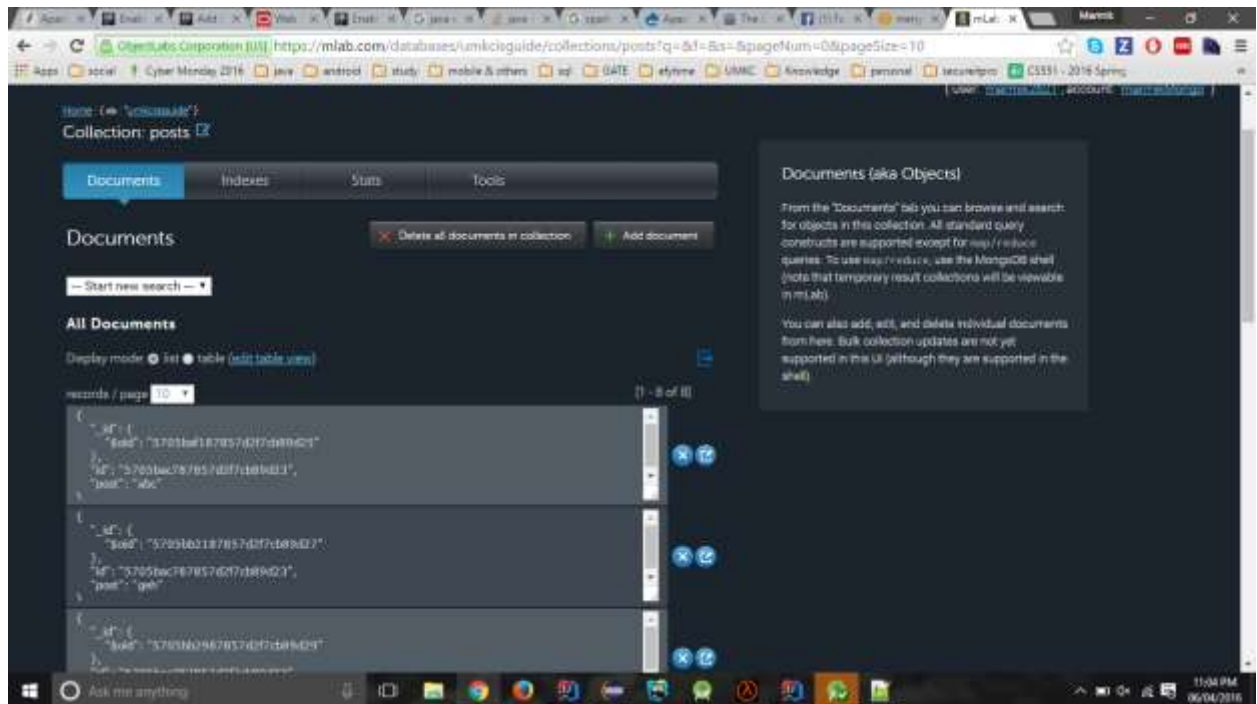
- Table created in MongoDB



- Registration Data pushed in table

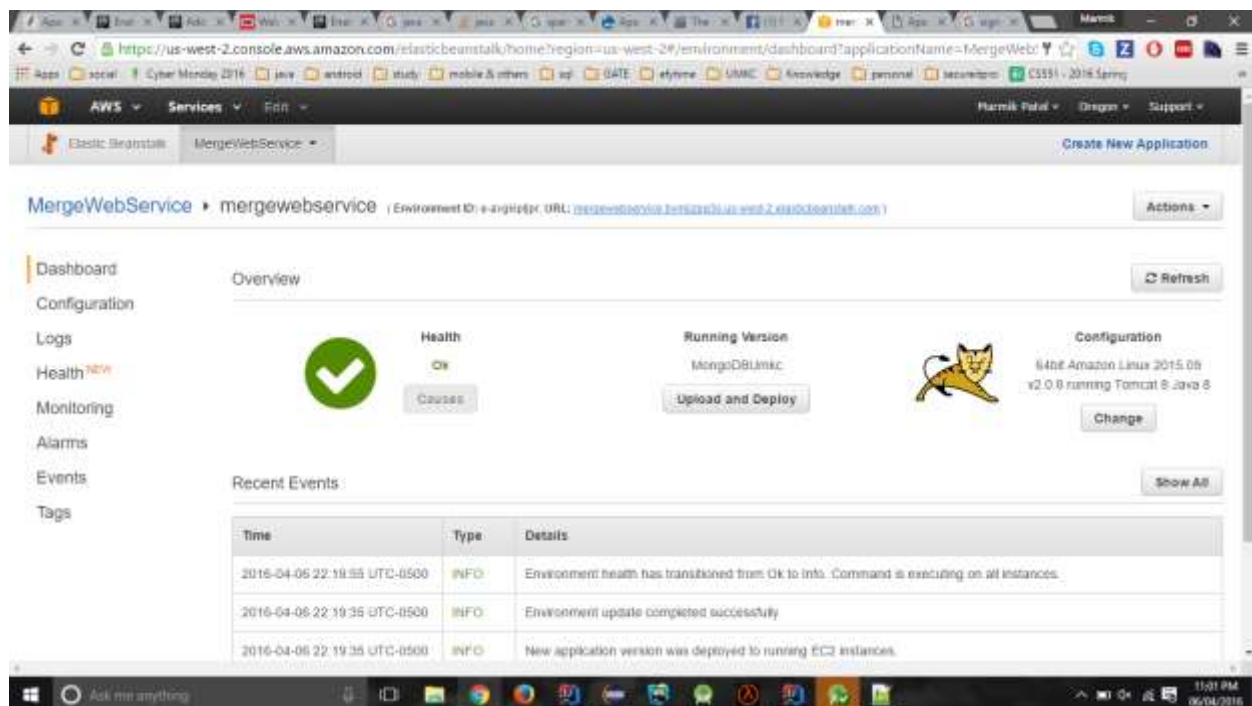


- Post queries in database



### Amazon Web Service Deployment Screenshot:

Project was successfully deployed in Amazon Web service



## Testing

### ❖ Unit Testing

#### UNIT TEST CASES

| S.no | Test case Title                                      | Description  | Expected Outcome   | Result |
|------|--|--|--|--------|
| 1    | Successful User Verification                         | The user should login with his/her password and id.        | Login should be successful                                     | Pass   |
| 2    | Unsuccessful User Verification due to wrong password | Login to the system with a wrong password.                 | Login should fail with an error 'Invalid Password'             | Pass   |
| 3    | Successful User login                                | The user login to the system with his/her password and id. | Login should successful and user should enter into the system. | Pass   |
| 4    | New user should register                             | The admin accepts the registration of the new user.        | User should successfully register and able to go to login.     | Pass   |
| 5    | Invalid email  | Invalid emails are not accepted.                           | User should provide a valid email address.                     | Pass   |



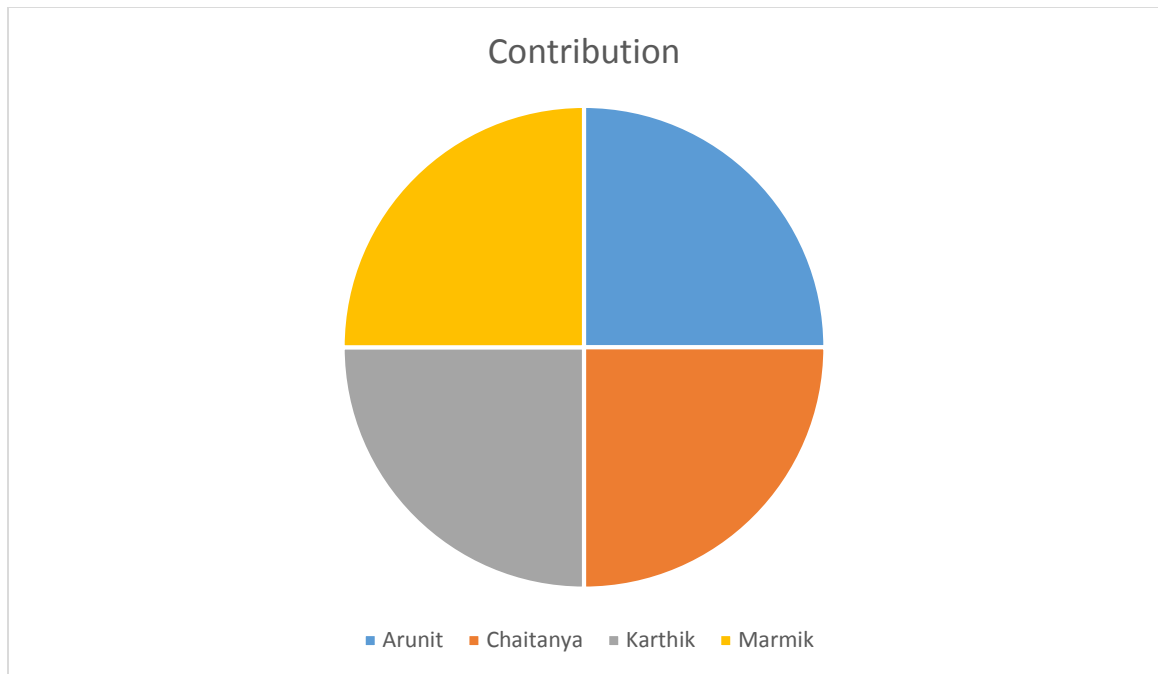
## 6. Project Management

### Implementation status report

**Technology Used:** Android SDK, HTML, CSS, JS, Angular JS, Mongo DB, J2EE.

### **Work Completed**

- Design and Architecture of the Application
  - Login and Registration using Android
  - Home Screen, Pre Departure and Post Departure, other various activities completed in second phase.
  - All Screens of the project were completed with Unit Testing on it in third phase.
  - Database connection has been established with MongoDB (No Sql DB) for login, registration and Post functionality.
- 
- Contribution:
    - ❖ Gupta, Arunit – 25%
    - ❖ Manne, Chaitanya Sai – 25%
    - ❖ Patel, Marmikkumar Navinchandra – 25%
    - ❖ Ponnuru, Karthik – 25%



### Work to be completed in next phase:

- Improvement in User Interface.
- Sliding window functionality in home page.
- Bug Fixing
- Iterate Comment Functionality
- Password Functionality

## 7. Bibliography

- <http://webthemez.com/b-school-free-educational-html5-website-template/>
- [http://www.w3schools.com/charsets/ref\\_utf\\_dingbats.asp](http://www.w3schools.com/charsets/ref_utf_dingbats.asp)
- <http://codepen.io/anon/pen/obRQZY/>