

CS 5551 Advance Software Engineering

FIRST INCREMENT REPORT

Newbie's Key

Team#13

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Project Proposal

Project Title: Newbie's key

PROJECT GOAL AND OBJECTIVES:

MOVITATION:

Imagine when you first check in a new place and you have no idea of what is going around. One doesn't know where to live in and if the selected place is a safety one or not. And so as to overcome these hardships we have an idea of creating an app for renting Apartments. This will be a feasible solution for both the owners and the tenants.

SIGINIFICANCE/UNIQUENESS:

Here both the Owner and Tenant creates their accounts and the owner can add the details of the apartments including the media like photos and videos of the location. Once the user clicks on the search button there will be 2 options available for view i.e. map view as well as a list view. Tenant can get the details of the apartments in a specific radius and if he finds any apartment interesting he/she can contact the owner from there. Tenant can also invite the owner to chat and get further details on the same. Once he/she likes the apartment a deal can be made and the same can be visualized in the app.

OBJECTIVES:

To make it a hassle free experience for every new comer to any new location and helping them to find a perfect place to live, encouraging and letting them to take part in all the activities happening around them.

SYSTEM FEATURES:

- Push Notifications
- Real Time Event Creation
- Maps Direction
- Peer-Peer chat messaging
- Room Availability Info

PROJECT INCREMENT ONE

As a part of our project's 1st increment we have implemented the Login page, a register page and on successful login redirects to the Home page. At first a new user needs to register and be able to login using his name email and the password. Here we will be using the Apartment search API to get the details of the vacant apartments that are ready to be occupied by the tenants in a particular area.

FEATURES:

1. **Apartment Availability**: Tenant can login the app and then filter his own interests and search for the vacant rooms available in the preferred location. In short to be straight to the point he can do a personalized search.
2. **Push Notification**: Once the user sets his own preferences in case if there is any new apartment details added to the system there will be a push notification sent to all the users falling under that category.
3. **Map Locations**: We are integrating the maps within the app so that the user can view the exact location on the maps and locate the vacant apartments nearby.
4. **Real Time Event Creation**: When a user searches a particular query and in parallel if an owner adds a new apartment details it reflects in the search result of the user.
5. **Peer-Peer chat messaging**: In this application owner and the Tenant can chat with each other in real time and get the things sorted and make a deal.

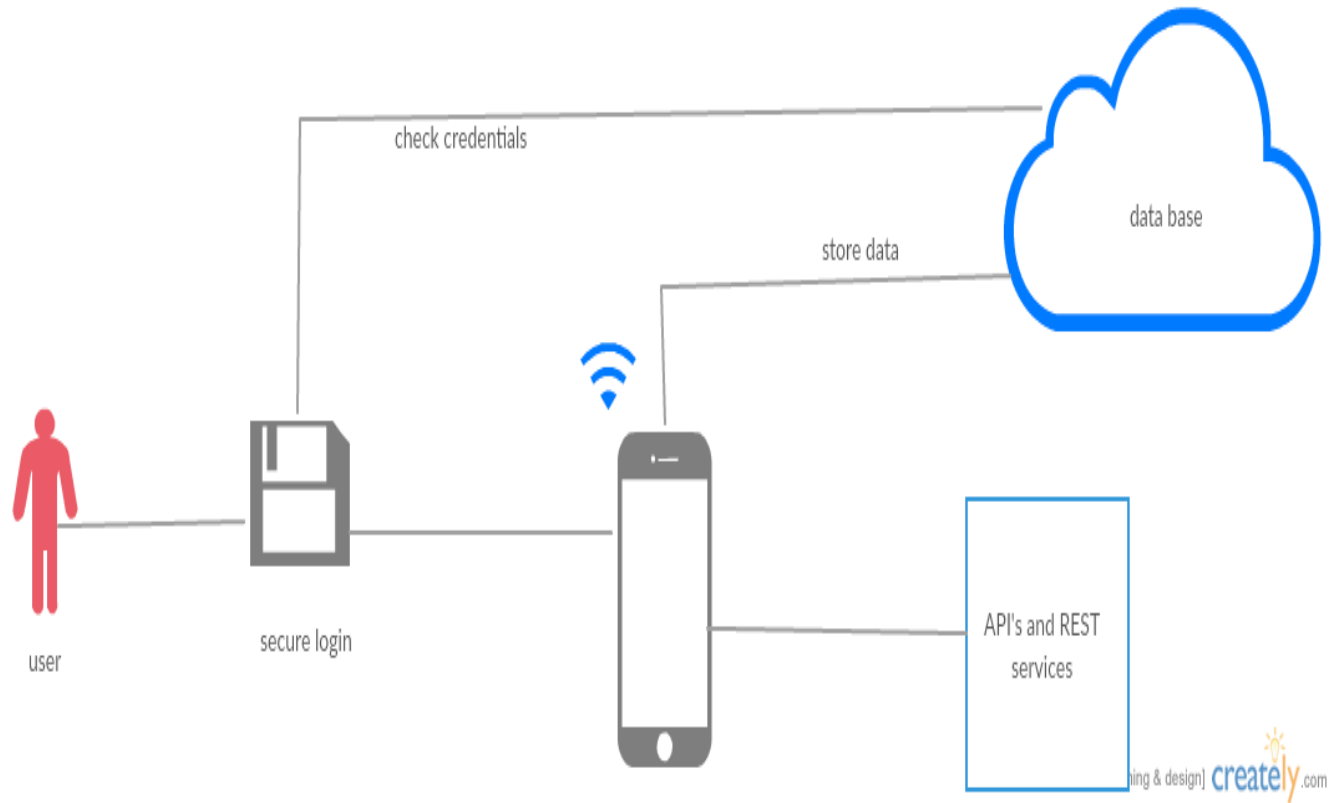
SERVICE DESCRIPTION:

1. Maps: Maps information is displayed using the Google Maps API which gives us the information about the houses in a locality
2. Apartment Search: The information related to the apartments are obtained by using the Apartment search API.
3. Locations: So as to get the auto locations fill we will be using the Auto Location fill API.

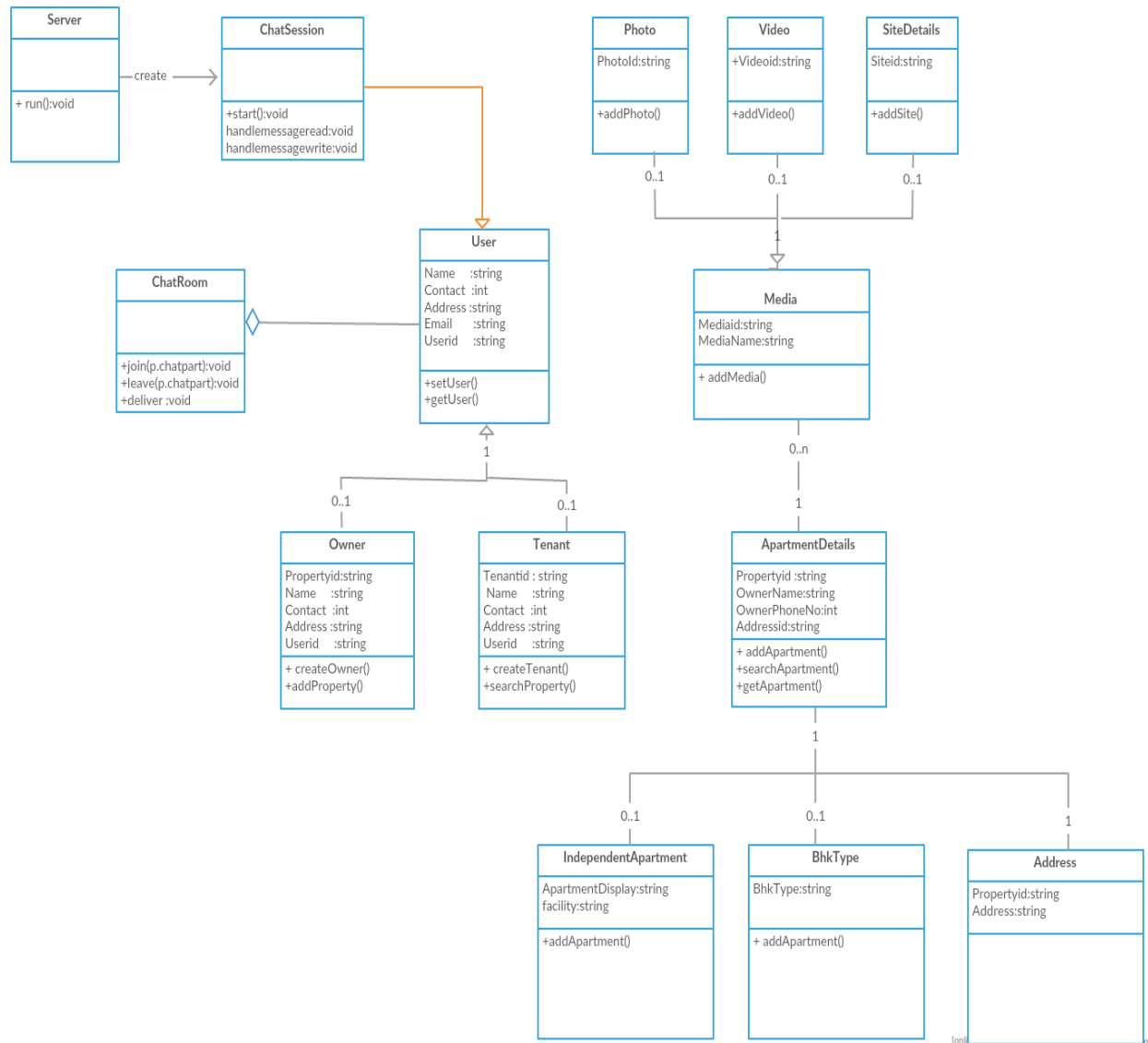
GITHUB URL:

<https://github.com/gshkr123/Newbies-Key>

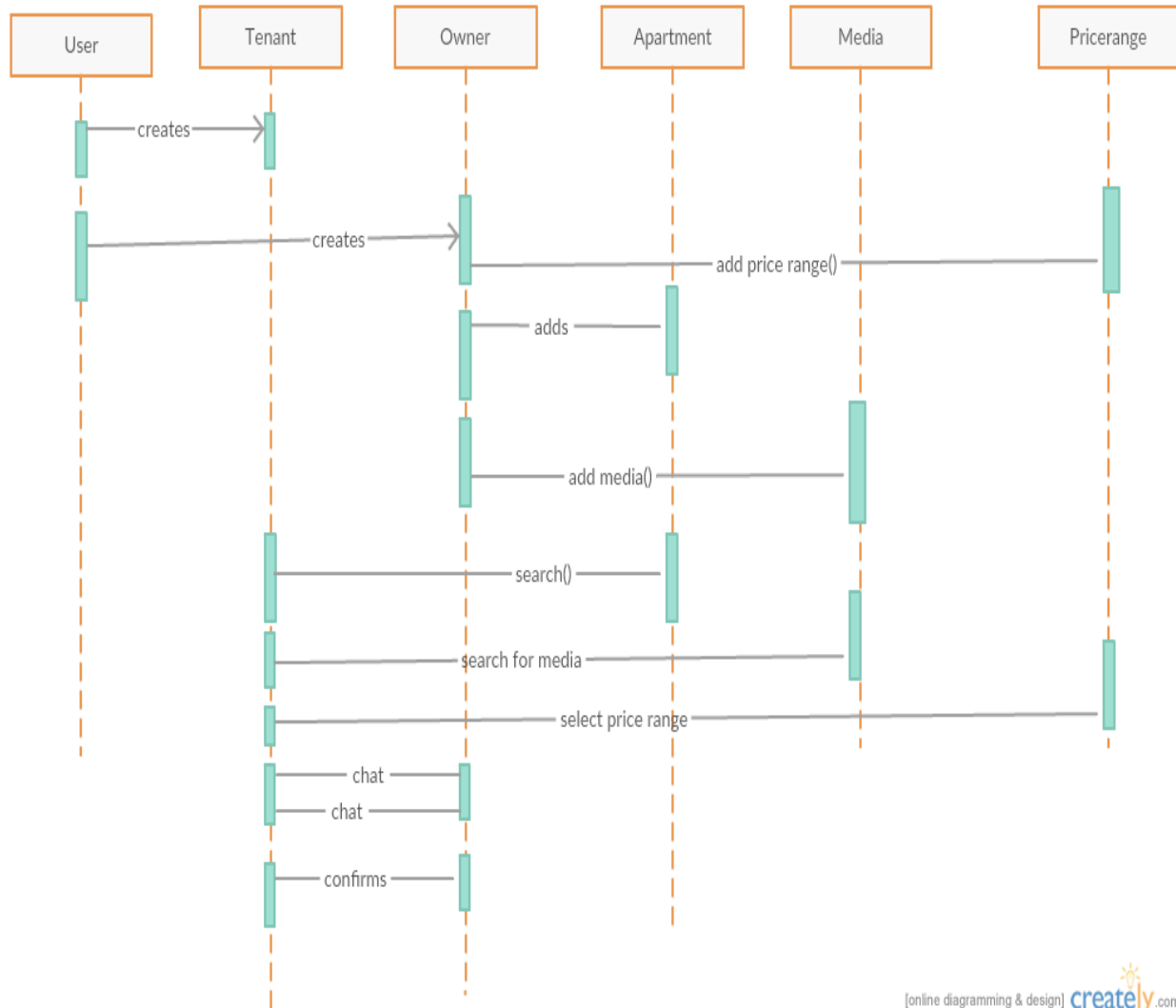
ARCHITECTURE DIAGRAM:



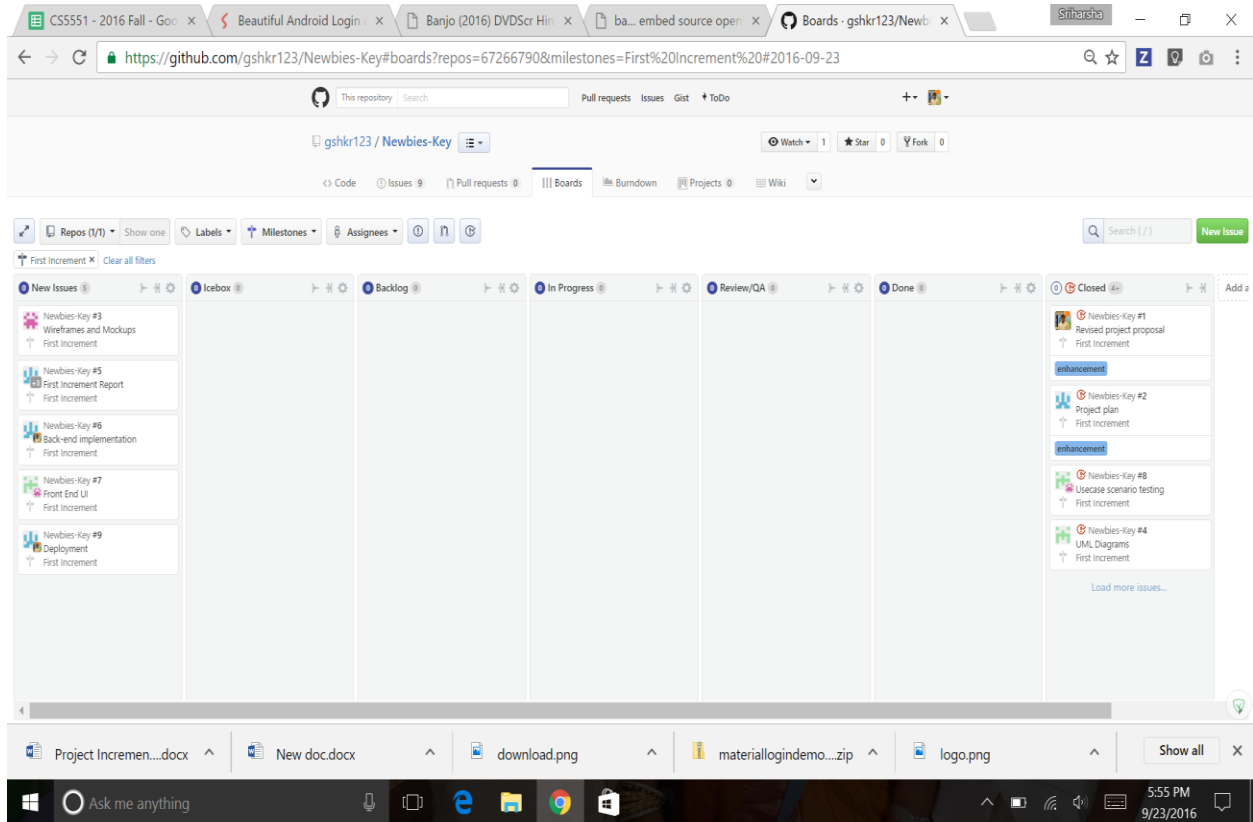
CLASS DIAGRAM:



SEQUENCE DIAGRAM:

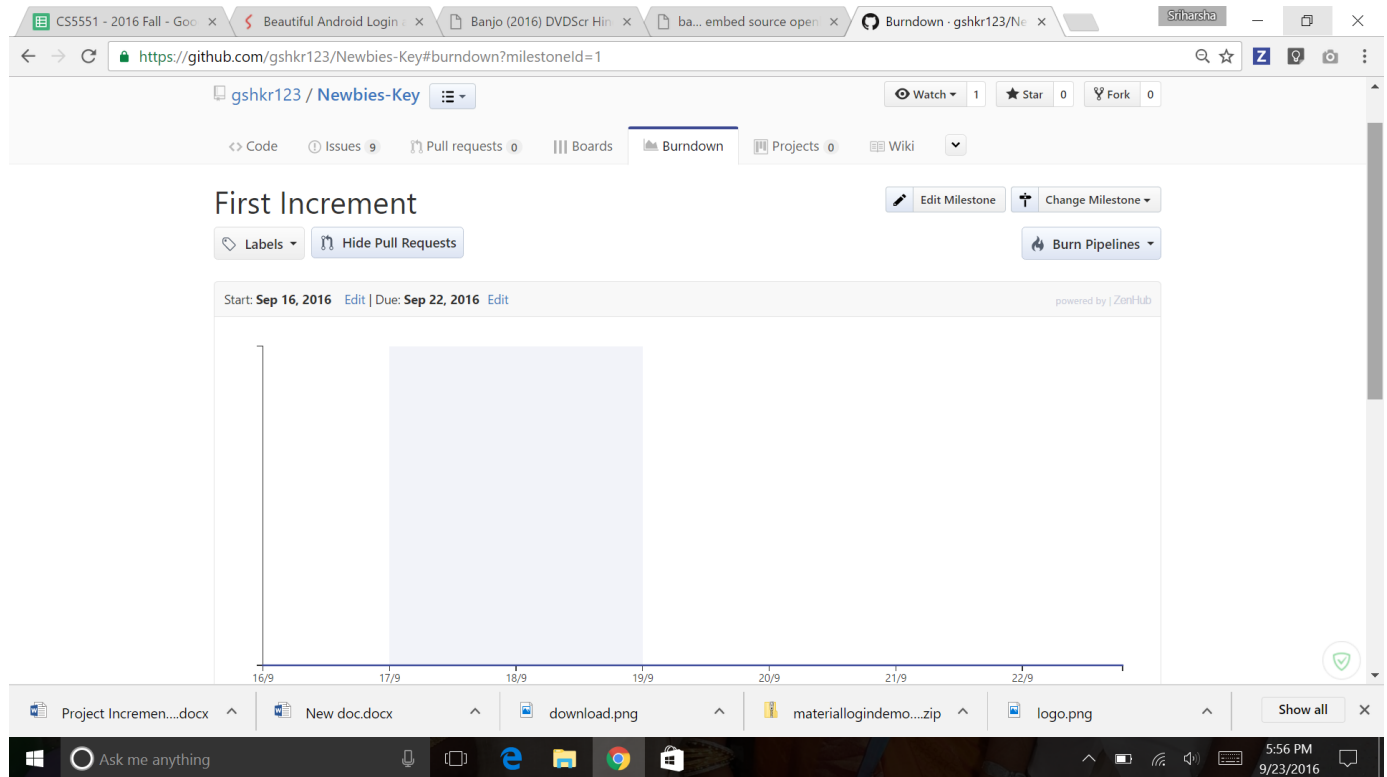


ISSUES TOOLBAR:



Tasks are assigned to each of us and we made a regular update of the tasks that are assigned to us. Mile stone for the first increment has been created. We completed all the assigned before the milestone

BURNDOWN GRAPH:



Burn down charts for assigned tasks and completed tasks. Milestone for the first increment has set to 09/23. For the tasks of the first increment, we got above burndown graph

WIREFRAMES:

LOGIN PAGE

-----UMKC HUB-----

enter username


enter password

SIGN IN

or new user?

REGISTER

REGISTER PAGE



A registration form with a light blue header bar. The form is enclosed in a white box with a thin grey border. It contains a title 'Apartment Search' in a rounded rectangle, followed by five input fields: 'name', 'email', 'contact number', 'password', and 'confirm password'. At the bottom is a blue button labeled 'create account'.

Apartment Search

name

email

contact number

password

confirm password

create account

ADD APARTMENT PAGE



An 'Add Apartment' form with a white box and grey border. It starts with a 'SELLER' label in a dashed box. Below are several input fields: 'BHK' (with a dropdown arrow), 'select type' (with a dropdown arrow), and 'price'. The 'select type' field has three radio button options: 'flat', 'house', and 'villa'. Below these are fields for 'description(optional)' and 'upload picture'. At the bottom is a blue button labeled 'POST'.

-----SELLER-----

BHK

select type

☐ flat ☐ house ☐ villa

price

description(optional)

upload picture

POST

TENANT SEARCH PAGE:

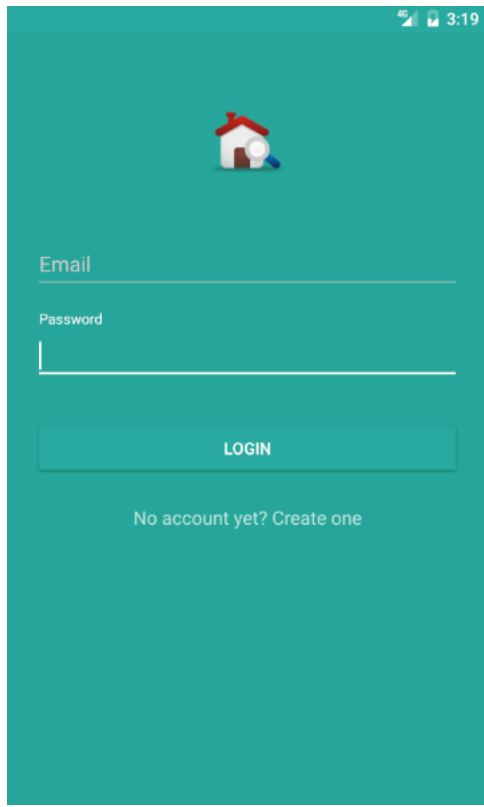


DETAILS OF A PARTICULAR PROPERTY PAGE:




MOCK-UPS:

LOGIN PAGE:



A mobile application login screen with a teal background. At the top right, there is a status bar showing 4G, a battery icon, and the time 3:19. In the center, there is a white house icon with a red roof and a magnifying glass. Below the icon, there are two input fields: one labeled 'Email' and another labeled 'Password'. The 'Password' field has a small vertical line on the left side. Below the input fields is a teal button with the text 'LOGIN' in white. At the bottom, there is a link that says 'No account yet? Create one'.

4G 3:19



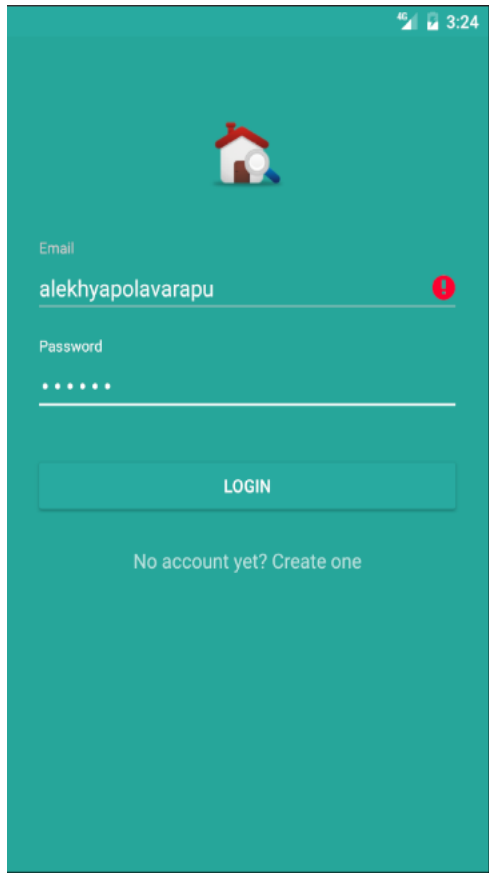
Email

Password

LOGIN


No account yet? Create one

LOGIN PAGE WITH VALIDATIONS:



A mobile application login screen with a teal background. At the top right, there are status icons for 4G, signal strength, and battery, along with the time 3:24. Below the status bar is a white house icon with a magnifying glass. The form consists of two input fields: 'Email' with the text 'alekhyapolavarapu' and a red error icon, and 'Password' with six dots. Below the fields is a teal 'LOGIN' button. At the bottom, there is a link that says 'No account yet? Create one'.

4G 3:24



Email

alekhyapolavarapu

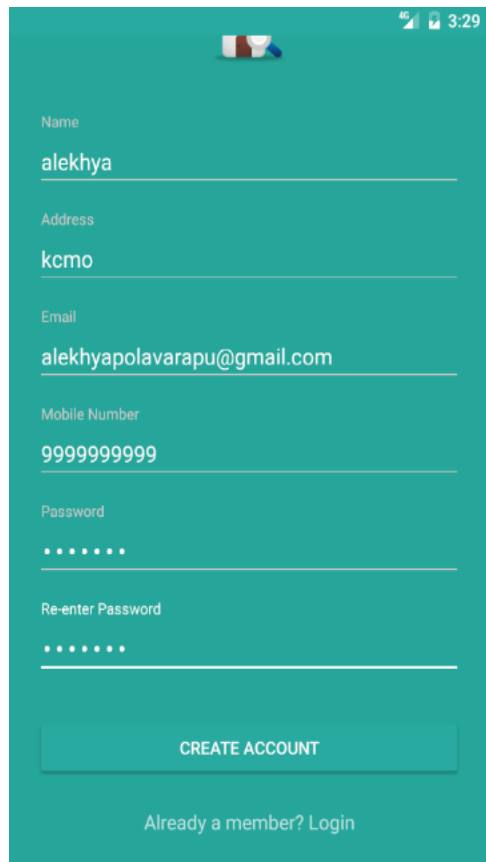
Password

•••••

LOGIN

No account yet? Create one

REGISTER PAGE:

A mobile application registration screen with a teal background. At the top, there is a status bar with a 4G signal icon, a battery icon, and the time 3:29. Below the status bar is a small profile picture icon. The form consists of several input fields with labels: 'Name' (filled with 'alekhya'), 'Address' (filled with 'kcmo'), 'Email' (filled with 'alekhyapolavarapu@gmail.com'), 'Mobile Number' (filled with '9999999999'), 'Password' (filled with seven dots), and 'Re-enter Password' (filled with seven dots). At the bottom of the form is a large teal button labeled 'CREATE ACCOUNT'. Below the button is a link that says 'Already a member? Login'.

USER STORIES:

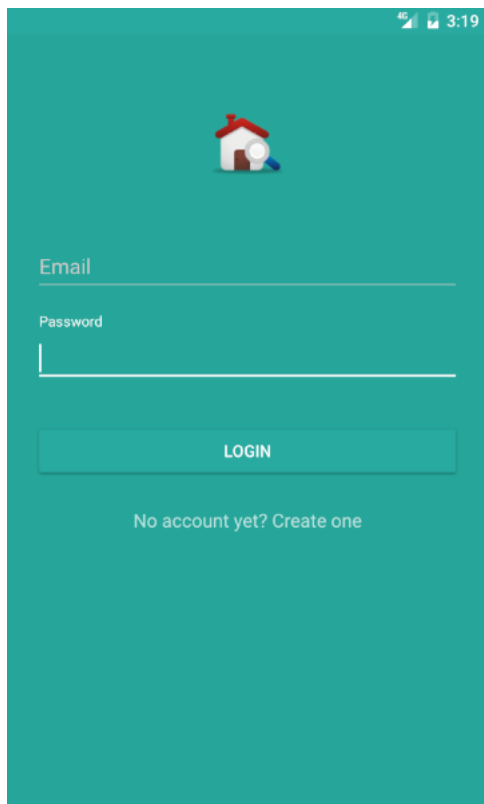
As A	I want to	So that
User	Create a login page as owner	I can post my property details
	Create a login page as Tenant	I can search for the available vacancies in Apartments
	Check the facilities of the apartment	I can check and get to a confirmation
	Check for a particular location	I can compare various search results
	Get the exact location using GPS	I can look for a nearest apartment to my work place
	Check for the Price Range	I can get the best facilities for that range

TEST CASES:

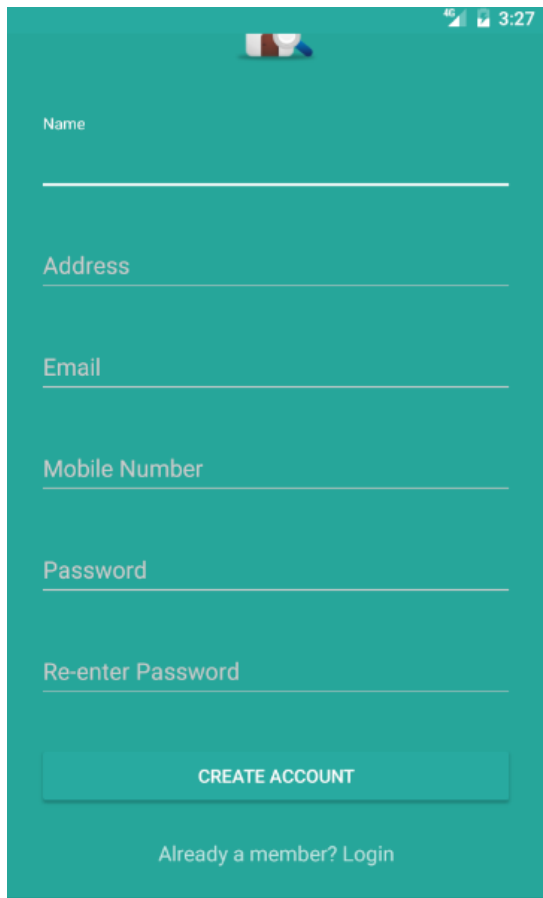
Test Case Name	Test Description	Expected Results	Pass/Fail
Login	Enter Invalid Userid and Invalid Password	Invalid Login Error Message should be displayed	Pass
	Enter Valid Userid and Invalid Password	Invalid Login Error Message should be displayed	Pass
	Enter Valid Userid and Valid Password	Application Should Be Redirected to Home page	Pass
Sign Up	Enter Email Id without @	Invalid Email id should be displayed	Pass
	Enter Password less than 3 characters	Please check the password instructions an try again	Pass
	Enter the Name field with numbers	Invalid Name should be displayed	Pass
Search Feature	Click on the Search Button	Should display the available apartments	Pass
Add Feature	Click on the add button	Should redirect you to a page to add new details	Pass

FINAL SCREEN SHOTS:

LOGIN PAGE:

A screenshot of a mobile application's login page. The background is a solid teal color. At the top right, there is a status bar showing '4G', a battery icon, and the time '3:19'. In the center, there is a white house icon with a red roof and a blue door. Below the icon, there are two input fields: the first is labeled 'Email' and the second is labeled 'Password'. Below the password field, there is a teal button with the text 'LOGIN' in white. At the bottom, there is a link that says 'No account yet? Create one'.

REGISTER PAGE:

A mobile application registration screen with a teal background. At the top, there is a status bar showing 4G, signal strength, battery, and the time 3:27. Below the status bar is a small profile icon of a person with a red and white striped shirt. The form consists of six input fields with labels: Name, Address, Email, Mobile Number, Password, and Re-enter Password. Each label is positioned above its corresponding input line. At the bottom of the form is a teal button with the text "CREATE ACCOUNT". Below the button is a link that says "Already a member? Login".

4G 3:27

Name

Address

Email

Mobile Number

Password

Re-enter Password

CREATE ACCOUNT

Already a member? Login