

Project Scenario

House Rental Management System

Project Mentor

Md. Iftekhar Alam Ifat
Lecturer, IIT, NSTU

Project Members

Abrar Hossain Asif (ASH1825005M)
Rahat Uddin Azad (ASH1825022M)
Al Jaber Nishad (ASH1825029M)
Kamruzzaman Shekh (ASH1825035M)

House Rental Management System scenario

Problem Statement

Housing has a central importance to quality of life with considerable economic, social, cultural and personal significance. If you are a stranger in some city and want to rent house than it is difficult to find suitable house in time. This is the main motivation behind online house rental management system project development. Rental house management has become important factor in modern society. Developing rental house management system comes with many advantages especially to the owner who are able to increase their profits. Tenants also able to view all listed property, search for their need using key words such as property type, location etc.

Scenario 1A

An user wants to create account-

1. By opening the app, a page wants to enter mobile number and password or register.
2. As he has no account he will click on register then a form will appear where he has to give whether he is an owner or tenant.
3. If he is an owner he has to provide his name, mobile number, password, home address.
4. By filling the information a button 'Register' will appear. Clicking on the button the app will send a confirmation code to his mobile number and a window will prompt for giving the confirmation code.
5. After confirming he will see a page named 'Dashboard' which contains all the other owners ads.

Scenario 1B

A tenant wants to create account as he needs to find a house-

1. (same as scenario 1A)
2. If he is a tenant he has to provide his name, mobile number, password.

Scenario 2A

Tenants wants to rent a house-

1. Tenants logs into the application.
2. After successfully logged in, the user will see a 'Dashboard' page where there are many other ads will appear.
3. The user can select any of them.
4. After selecting an ads, the tenant will see information about that house like rent per month, gas and water bill, picture of that house, deposit paid, terms and conditions to follow acceptance.
5. After once customers finds a vacant house, they can call owner of the house for more details.

Scenario 2B

Tenants wants to rent a house which is situated in nearby his area-

1. (same as scenario 2A)
2. There will be a search by location button.

3. After click this button, application will be show those house ads which is situated nearby the tenant area.

Scenario 2C

Tenants wants to search a house for rent with specific criteria-

1. In the dashboard there will be a search bar.
2. In the search bar there will be multiple text field with multiple option. Like rent per month, flat size, particular area, owner name.
3. When user click search button, application will be show some filtered result based on those criteria.

Scenario 2D

Tenants wants to confirm a house for rent.

1. When user click on an ads, application will show details about that house and there will be an another option called owner profile.
2. After click this option tenants can see details about owner of that house like owner name, owner picture, owner phone number.
3. Now tenant can communicate with owner with the help of phone number and can confirm that house for rent.

Scenario 3A

Owner wants to see his ads-

1. Owner will logs into the app.
2. After successfully logging in he will have 'Dashboard' page where other owners ads will be shown.
3. In that page at upper corner a button will be there named 'Ads'.
4. Clicking on the button he can see his old ads which are not rented yet.

Scenario 3B

Owner wants to give ads for his house-

1. (same as scenario 3A)
2. At the upper corner there will be a button named 'Create Ads' clicking on it a form will appear.
3. Here he will see how many building he has and by selecting any building he has to provide some information like rent per month, gas and water bill, picture of that house, deposit paid, terms and conditions to follow acceptance, how many days he want to show the ads.
4. After filling the information a 'Submit' button will appear and by clicking on it a window will prompt for giving by how he want to pay the money. Like by bKash or Rocket.
5. After paying successfully the ads will be added in the dashboard.

Scenario 3C

Owner wants to edit his ads-

1. (same as scenario 3A)
2. By clicking on any ads a form will appear where he can edit any information he provided before.

3. If he edit anything then submit button will appear and the information will be updated.

Scenario 3D

Owner wants to boost his ads-

1. (same as scenario 3A)
2. In the list each ads item will contain a button names 'Boost'.
3. Clicking on the button a window will prompt to give how many days he wants to boost his ads and also he needs to select his payment credential.
4. After successful payment his ads will be shown at the top of the list of ads.

Scenario 3E

While ads time finished-

1. (same as scenario 3A)
2. We will prompt the owner as an ads time finished and app will ask do he want to extend the time.
3. If he select yes then he will be prompted to give the new time duration and also select the payment credential and after successful payment his ads time duration will be updated.
4. If he select no then the ads will be deleted from the dashboard ads list.

Scenario 4A

Removing the ads from the application-

1. (same as scenario 3A)
2. A button name 'Remove' will appear beside each of the ads.
3. By clicking on the button if the ads time duration is still remaining then app will prompt that he gave extra money and give his account credential so that app can send his money back.

Scenario 4B

A tenant will rate a house-

1. To rate a house, one must be a tenant of that house first.
2. When an account is officially a tenant of a house only then he will get the opportunity to rate the house or give a feedback about that house.