

Use Cases Textual Description

Use Case 1: Property Search and Booking

Primary Actor: User

Preconditions: To save or book property users must be logged in.

Basic Flow:

1. The user can navigate to the search bar.
2. Then he can enter the desired property address.
3. Additionally he can also apply filters such as price range, property type, number of rooms etc.
4. The system processes the search criteria and displays a list of properties that match the criteria.
5. Then the user clicks on a property he is interested in and views its details.
6. If interested he can add property to the wishlist so he can view that property again some other time.
7. For saving to a wishlist user needs to login to the system.
8. If the user wants to view the property personally he can book a slot to visit the property from the slots provided by the seller.
9. To book a slot, users need to login to the system.
10. After physically visiting the property, if interested the user can proceed to initiate the transaction.
11. The user can pay a token amount to confirm the interest in property.
12. Property will be marked sold/rented by the system.

Alternate Flows:

- 3a. The User can search without filters and search will work fine.
- 4a. If there are no results corresponding to the search system will display no property found.
- 7a. If the user is already logged in, he can continue saving property.
- 8a. If no slots are available for slot booking, the system will show no available slots and users need to wait till the seller adds new slots.
- 9a. If the user is already logged in, he can continue booking slots.
- 10a. If the user is not interested in property he will not further proceed.

Post-Condition: The selected property is marked as sold/rented in the system, and both the buyer (user) and seller are notified of the successful transaction.

Use Case 2: Property Management

Primary Actor: Registered User

Preconditions: User must be logged in.

Basic Flow:

1. The user navigates to his profile and clicks on add property.
2. System displays a form where the user provides property details(images,address,price,type).
3. User will also provide time slots in which he is available to show the property.
4. System validates that all the necessary information is entered and adds property to the database.
5. The user can then navigate to my properties to view all his properties
6. If a user wants to edit property details he will do so by clicking edit and making necessary changes.
7. If a user wants to delete a property he can do so by clicking on delete.
8. The User can view pending slots which are booked by buyers for his properties.

Alternate Flows:

2a. If details are not complete, the system will not allow users to add property.

5a. If there are no properties added by the user, no properties message will be displayed.

6a. If there are no properties, no editing will be done.

8a. If no pending slots, no pending slot displayed.

Post-Condition: The system updates the property database to reflect the changes made by the user, ensuring the latest property details are accurate.