

**UNIVERSITY OF ASIA PACIFIC**

Department of Computer Science & Engineering

**HOUSE RENTAL SYSTEM**

**Course Title :** System Analysis & Design Lab

**Course Code :** CSE 306

**Submitted by: Submitted to:**

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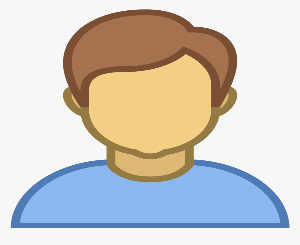
**HOUSE RENTAL SYSTEM (*BASHA LAGBE*)**

**System description from Level-0 use case:**

This is our HRS (House Rental System) project. Here we have a “user” who will directly interact themselves with the system. It gives a non-technical scenario of our whole system.

**User:**

Here in our HRS where, we have one actor denoted as “user” who is interacting with the system:



**USER**

**Figure: Level 0**

The actors of HRS have to play different actions and system will reply according to these actions –

**User:**

**Action-1:** Click Sign Up.

Reply-1: Please fill up the required information.

**Action-2:** Enter your information.

Reply-2: Registration successful.

**Action-3:** Enter username/e-mail and password.

Reply-3: Log In successful.

**Action-4:** Click on Home.

Reply-4: Home page will be displayed.

**Action-5:** Click on Profile.

Reply-5: Profile will be displayed.

**Action-6:** Click on Search.

Reply-6: Search box will be displayed.

**Action-7:** Click on FAQ.

Reply-7: FAQ options will be displayed.

**Action-8:** Click on About Us.

Reply-8: Website information and contact info will be displayed.

**Action-9:** Click on Help.

Reply-9: Help features will be displayed.

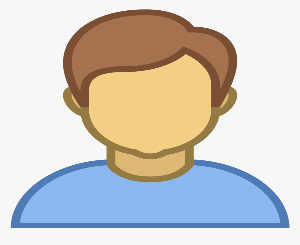
**Action-10:** Click on Log Out.

Reply-10: Log Out is successful.

**Level-1 interface’s use-case diagram:**

In this level, we will show available options for interface such as-

1. **Home**
2. **Profile**
3. **Search**
4. **FAQ**
5. **About Us**
6. **Help**
7. **Log Out**

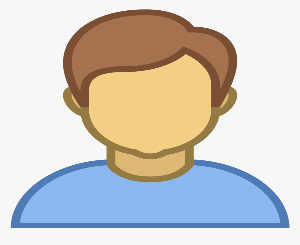


**USER**

**Figure: Level 1**

**Level 2.1 Subsystems of Authentication:**

If any actor wants to perform any task in the system, then he/she needs to go through the authentication process at first. Firstly, the actor needs to have an account if they want to interact with the system. If they have no account, then they need to sign up first.



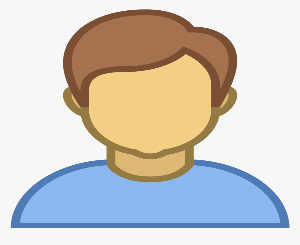
**USER**

**Figure: Level 2.1**

**Level 2.2 Subsystems of Renter:**

In this subsystem, user have to apply some criteria to find out his/her desired house. This includes

1. Search Location (Ex.- Agargaon, Jatrabari, Shyamoli, Uttara etc)
2. Modify Type (Bachelor/Sub-Let/With Family)
3. Apply Filters (Price: low to high, Facilities etc.)
4. Add to favorites (Short list of favorable picks)



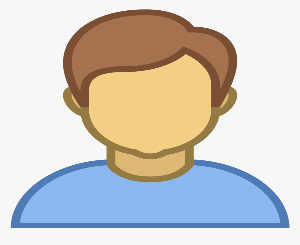
**USER**

**Figure: Level 2.2**

**Level 2.3 Subsystems of House Owner:**

In this subsystem, user have to fulfill the instructed criteria to post for an advertisement. This section includes-

1. Choose Plan (Free/Premium)
2. Post Details (Address, How many rooms etc)
3. Visual Details (Photos, Videos, Google Map Links)
4. Authorization via OTP-Confirmation
5. Accept Terms and Conditions
6. Advertisement Boost



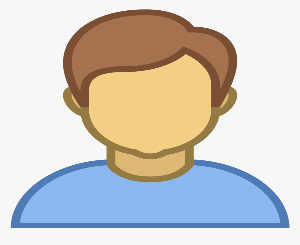
**USER**

**Figure: Level 2.3**

**Level 2.4 Subsystems of contact information of *Basha* *Lagbe*:**

Several contact option to reach the website includes-

1. Physical Address of Office
2. Dedicated 24/7 Hotline
3. Telephone and Mobile Number
4. E-Mail Address
5. What’s App Number
6. Social Media Platform (Facebook Page, Facebook Group, YouTube Channel, Instragram Profile etc)



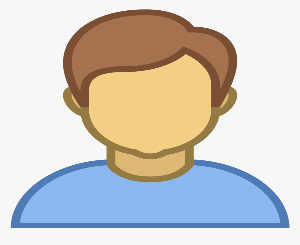
**USER**

**Figure: Level 2.4**

**Level 2.5 Subsystems of system output:**

This section includes the main purpose of the website-

1. Post advertisements (rent posts)
2. Find suitable home for users



**USER**

**Figure: Level 2.5**