**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

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| --- | --- |
| Date |  |
| Team ID | LTVIP2025TMID58222 |
| Project Name | House-Hunt: Finding-Your-Rental-Home |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

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| --- | --- | --- |
| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Registration | Registration through Form  Registration through Gmail  Registration through Linked-IN |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | Property Listing & Search | - Owners can list rental properties  - Renters can search by location, price, BHK, etc.  - Filters and sorting by price, amenities, etc. |
| FR-4 | Admin Management | Admin dashboard to manage users and listings  - Block/report fraudulent listings or users |
| FR-5 | Booking & Communication | - Renter can send interest requests  - Owner receives notification  - Built-in chat or messaging system |
| FR-6 | Reviews & Ratings | Renter can rate and review properties/owners  - View average ratings on listings |

**Non-functional Requirements:**

Following are the non-functional requirements of the proposed solution.

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| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | Usability | Simple, intuitive UI for renters, owners, and admins to easily navigate and use features. |
| NFR-2 | Security | Password encryption, OAuth for Gmail/LinkedIn login, and secure data transfer via HTTPS. |
| NFR-3 | Reliability | Application should be robust to handle errors gracefully and offer consistent service. |
| NFR-4 | Performance | Fast loading times for listing pages and filters; responsive design across devices. |
| NFR-5 | Availability | 99.9% uptime with backup and failover mechanisms to ensure the platform is always accessible. |
| NFR-6 | Scalability | |  | | --- | |  |  |  | | --- | | Easily scalable backend to support increasing number of listings, users, and search queries. | |