**Project Design Phase-II**

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

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| --- | --- |
| Date | 26-05-2025 |
| Team ID | LTVIP2025TMID56105 |
| Project Name | HouseHunt: Finding Your Perfect Rental Home |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

**Functional Requirements – Music Streaming App**

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| --- | --- | --- |
| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| **FR-1** | User Authentication | Sign up, Login, Logout, Password Reset |
|  |  | JWT token-based secure access |
| **FR-2** | Property Discovery | View promoted and available properties |
|  |  | Search and filter properties by type, location, price, etc. |
| **FR-3** | Inquiry & Booking Management | Send booking inquiries to property owners |
|  |  | View inquiry status and receive replies |
| **FR-4** | Property Owner Dashboard | Login and manage rental listings |
|  |  | Respond to inquiries and update property details |
| **FR-5** | Admin Dashboard | View all users, listings, and inquiries |
|  |  | Verify listings and promote featured properties |
| **FR-6** | Inquiry History & Wishlist | View previously contacted properties |
|  |  | Save listings to wishlist (favorites) |

**Non-functional Requirements:**

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

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| --- | --- | --- |
| **NFR No.** | **Non-Functional Requirement** | **Description** |
| **NFR-1** | Usability | Intuitive UI for all roles (Renter, Owner, Admin) with responsive layout |
| **NFR-2** | Security | Encrypted communication (HTTPS), JWT-based authentication, role-based access |
| **NFR-3** | Reliability | Ensure inquiry, booking, and login operations function smoothly under all loads |
| **NFR-4** | Performance | Load homepage, property listing, and dashboard within 2 seconds |
| **NFR-5** | Availability | Maintain 99.9% uptime on backend and frontend platforms |
| **NFR-6** | Scalability | Architecture should support future features like reviews, chat, payments |