

## Project Design Phase-II

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

Date	29-06-2025
Team ID	LTVIP2025TMID58598
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

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Authentication	Sign up, Login, Password Reset Role-based access for Renter, Owner, Admin
FR-2	Property Listings	Add/Edit/Delete Properties View listings with details, images, price, and location
FR-3	Search & Filters	Filter listings by price, location, number of rooms, and amenities
FR-4	Booking System	Send booking requests Accept/Reject bookings Track booking status
FR-5	Lease Agreement	Negotiate and finalize rental terms In-app chat for agreement and confirmation

FR-6	Admin Verification	Admin approves or denies owner account and property listings
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## Non-functional Requirements:

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

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	UI should be intuitive for all roles: renter, owner, and admin.
NFR-2	Security	Data encryption and secure login via JWT; role-based access control.
NFR-3	Reliability	Property listings and booking services must remain available at all times.
NFR-4	Performance	Search, filters, and booking must respond within 2 seconds.
NFR-5	Availability	Ensure 99.9% system uptime with monitoring.
NFR-6	Scalability	Support expanding users and listings without performance issues.