

Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	27th March, 2025
Team ID	SWTID1743953304
Project Name	House- Hunt: Finding Your Perfect Rental Home
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Property Listings Management	Add new property listing Edit existing property listing Remove property listing Upload property photos Add property details (location, price, amenities, etc.)
FR-4	Search & Filter Properties	Search by location Filter by price range, property type, and amenities View property details page
FR-5	Booking Management	Schedule property visits Book rental properties Cancel bookings
FR-6	Payment Integration	Integration with payment gateways Payment confirmation and receipt generation
FR-7	Reviews & Ratings	Submit reviews for properties Rate landlords or properties
FR-8	User Profile Management	View and edit profile details Manage booking history Manage saved/favorite properties

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The app should provide an intuitive and user-friendly interface for both tenants and landlords.
NFR-2	Security	Implement secure user authentication, data encryption, and protection against common vulnerabilities (SQL injection, XSS).
NFR-3	Reliability	Ensure system uptime and data consistency during operations. Backup and recovery mechanisms in place.
NFR-4	Performance	The app should load pages and process transactions quickly, even under high user load.
NFR-5	Availability	The app should be accessible 24/7 with minimal downtime.
NFR-6	Scalability	The system should support growth in terms of user base and data volume without performance degradation.