Solution Requirements (Functional & Non-functional)

Date	31 January 2026
Team ID	LTVIP2026TMIDS38973
Project Name	HouseHunt: 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 & Authentication	System allows users (renters and owners) to register, login, and securely authenticate into the app.
FR-2	Property Listing Management	Owners can add, edit, delete, and update property listings with details, images, and availability status.
FR-3	Property Search & Filtering	Renters can search available properties using filters such as location, price, type, and amenities.
FR-4	Property Details & Viewing	Renters can view full details of a property (images, price, description, owner contact) on a dedicated page.
FR-5	Booking Request & Management	Renters can send booking requests; owners can approve or reject bookings, and the system tracks booking status.
FR-6	Admin User & Platform Control	Admin can approve owner accounts, manage inappropriate listings, view users, and monitor platform activity.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Performance	The system should load property listings within 2 seconds for quick user interaction.
NFR-2	Scalability	The platform must support increasing numbers of users, properties, and booking requests without performance degradation.
NFR-3	Security	User credentials, personal data, and session tokens must be protected using secure practices (e.g., hashing, HTTPS).
NFR-4	Usability	The interface should be intuitive, responsive, and accessible on both web and mobile devices.
NFR-5	Reliability	The system should be available 99% of the time and handle data consistently without loss.
NFR-6	Maintainability	The system should allow easy updates and feature additions with well-structured code and modular design.