

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

Date	25-06-2025
Team ID	LTVIP2025TMID53224
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

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Authentication	Sign up, Login, Password Reset
		OAuth login using Google / GitHub
FR-2	Property Search	Apply filters (location, price, rooms)
		View listings with images & rent info
FR-3	Booking & Inquiry Process	Renter sends inquiry, Owner responds
		Status updates: Pending, Confirmed

FR-4	Property Management	Add/Edit/Delete property (Owner role)
		Set property status as available/unavailable
FR-5	Admin Approval	Approve owners and their property posts
FR-6	Real-time Messaging	Chat between renter and owner
FR-7	Notifications	Alerts on booking confirmation, inquiry
FR-8	Dashboard	User-specific dashboard with activities

Non-functional Requirements:

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

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	The platform should offer a clean, intuitive UI for renters, owners, and admins.
NFR-2	Security	Role-based access, token-based authentication, and secure data transfer (HTTPS).

NFR-3	Performance	Property searches and messaging should be near-instant; page loads under 2 seconds.
NFR-4	Availability	The system should maintain 99.9% uptime across all services.
NFR-5	Scalability	Designed to scale easily with increasing users and listings (MongoDB, Node clustering).
NFR-6	Responsiveness	Fully responsive UI that adapts across devices.