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

Date	22 May 2025
Team ID	LTVIP2025TMID56063
Project Name	House hunt
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	Property Listings Management	Owners can create listings, upload property photos, and add descriptions
FR-2	Property Search & Filter	Renters can search properties using filters like location, price, and amenities
FR-3	Owner–Renter Communication	In-app chat system for inquiry and scheduling visits
FR-4	Booking and Rental Agreement	Renters can initiate booking, confirm payment, and digitally sign rental docs
FR-5	User Dashboard & Notification	Track booking status, receive alerts for listing updates and tour schedules

Non-functional Requirements:

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

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	Clean, intuitive interface with minimal steps—designed for all age groups
NFR-2	Security	User authentication via OTP/email; encrypted chat and payment channels (HTTPS, OAuth).
NFR-3	Reliability	Minimal downtime; stable booking and search modules

NFR-4	Performance	Listings and chat load within 2 seconds; smooth map and image rendering
NFR-5	Availability	99.9% uptime with cross-timezone accessibility for property owners and renters
NFR-6	Scalability	Supports thousands of concurrent users and new property data without performance degradation