

Project Design Phase-II
Technology Stack (Architecture & Stack)

Date	22 May 2025
Team ID	LTVIP2025TMID56063
Project Name	House hunt
Maximum Marks	4 Marks

Technical Architecture:

The deliverable includes the architectural diagram and the updated tables below.

Scenario: Rental journey during peak housing demand—managing dynamic listings and secure renter-owner communication.

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	Web platform for rental listings, search & booking	HTML, CSS, JavaScript/ React Js etc.
2.	Application Logic-1	Property listing creation & management by owners	Node js, Express js
3.	Application Logic-2	Renter actions: search, chat, booking, agreement signing	Node js, Express js
4.	Database	Stores property data, user profiles, chat history, agreements	MongoDB

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Fast & modular frontend/backend	React js, Node js, Express js
2.	Scalable Architecture	RESTful APIs, modular components for property & user flow	Microservices, Docker

References:

[React.js Documentation](#)

[Node js Best Practice](#)

<https://medium.com/the-internal-startup/how-to-draw-useful-technical-architecture-diagrams-2d20c9fda90d>