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

Date	28th April,2025
Team ID	SWTID1743953304
Project Name	House- Hunt: Finding Your Perfect Rental Home
Maximum Marks	4 Marks

Technical Architecture:

[Insert your architectural diagram here, illustrating the components and their interactions as per the guidelines.]

Table-1: Components & Technologies

S.No	Component	Description	Technology
1	User Interface	Web-based interface for users to interact with the real estate app	React.js, Tailwind CSS, JavaScript
2	Application Logic-1	Frontend logic for managing state and navigation	React.js, JavaScript
3	Application Logic-2	Logic for managing property listings and user interactions	Express.js and Node.js
4	Database	Stores user data, property details, and transaction records	MongoDB
5	File Storage	Stores images and documents	Local Filesystem

6	External API-1	related to property listings	N/A
7	External API-2	Email service for notifications and confirmations	N/A
8	Infrastructure	Deployment environment for the application	Local Server

Table-2: Application Characteristics

S.No	Characteristics	Description	Technology
1	Open-Source Frameworks	Utilizes open-source frameworks for rapid development	React.js , Node.js , Express.js , Mongodb
2	Security Implementations	Implements user authentication and input validation to ensure data security	JWT Token
3	Scalable Architecture	Modular design allowing for scalability and addition of new features	MVC Architecture
4	Availability	Deployed on cloud platforms to ensure high availability and accessibility	N/A