**Project Design Phase-II**

**Technology Stack (Architecture & Stack)**

| Date | 26-05-2025 |
| --- | --- |
| Team ID |  |
| Project Name | HouseHunt |
| Maximum Marks | 4 Marks |

**Technical Architecture:**

HouseHunt is designed with a scalable 3-tier architecture consisting of:

* **Presentation Layer (Frontend):** User-friendly interface for clients and providers to update properties.
* **Business Logic Layer (Backend):** Handles appointment scheduling, notifications, user management.
* **Data Storage Layer:** Secure storage of user profiles, house records, and house provider details.

The platform integrates with third-party APIs for notifications (SMS/email) to enhance usability.

**Table-1 : Components & Technologies:**

| **S.No** | **Component** | **Description** | **Technology** |
| --- | --- | --- | --- |
|  | User Interface | Web and mobile-friendly interface for clients and providers | HTML, CSS, JavaScript / React Js etc. |
|  | Application Logic-1 | House booking,reminders | Node.js, Express.js |
|  | Application Logic-2 | | Admin panel, provider management, reporting | | --- | | React js, Node js |
|  | Database | Stores user profiles, bookings, provider datas | MongoDB |

**Table-2: Application Characteristics:**

| **S.No** | **Characteristics** | **Description** | **Technology** |
| --- | --- | --- | --- |
|  | Open-Source Frameworks | Frontend frameworks | React.js, Node.js, BootStrap, Tailwind CSS |
|  | Scalable Architecture | 3-tier architecture with RESTful APIs | Microservices |