**Project Design Phase-II**

**Technology Stack (Architecture & Stack)**

|  |  |
| --- | --- |
| Date | 31 January 2025 |
| Team ID | 149831 |
| Project Name | FitFlex: Your Personal Fitness companion |
| Team Leader | Shyamala A  Email id : [shyamala.a22ds29@gmail.com](mailto:shyamala.a22ds29@gmail.com) |
| Team Members | 1. Kowsalya S   Email id :  [kowsalya.s.22ds17@gmail.com](mailto:kowsalya.s.22ds17@gmail.com)   1. Nandhini M   Email id : [madhumitha.p.22ds18@gmail.com](mailto:madhumitha.p.22ds18@gmail.com)   1. Kaleeswari k   Email id : [kaleeswari.k.22ds14@gmail.com](mailto:kaleeswari.k.22ds14@gmail.com) |
| Maximum Marks | 4 Marks |

**Technical Architecture:**

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2

| **S.No** | **Component** | **Description** | **Technology** |
| --- | --- | --- | --- |
|  | User Interface | How user interacts with application | ReactJS, CSS, React Fa icons |
|  | Application Logic-1 | Logic for fetching and displaying data | JavaScript, ReactJS |
|  | Application Logic-2 | API requests handling and error handling | Axios for HTTP requests |
|  | External API-1 | Fetching ExerciseDB data | ExerciseDB API (via RapidAPI) |

**Table-2: Application Characteristics:**

| **S.No** | **Characteristics** | **Description** | **Technology** |
| --- | --- | --- | --- |
|  | Open-Source Frameworks | List the open-source frameworks used | ReactJS, Axios |
|  | Security Implementations | Securing API calls and access controls | HTTPS, API key authentication (RapidAPI) |