**Project Design Phase-II**

**Technology Stack (Architecture & Stack)**

| Date | 6 March 2025 |
| --- | --- |
| Team ID | SWTID1741254344152117 |
| Project Name | FitFlex |
| Maximum Marks | 4 Marks |

| **Team members:** | **Register no:** | **ID no:** | **Team no:** |
| --- | --- | --- | --- |
| **Shreejith Kumar Das S ( Team Leader)** | **212203921** | **22BCA51** | **Team 10** |
| **Sanjay K** | **212203914** | **22BCA12** | **Team 10** |
| **Hariharasudhan C** | **212203885** | **22BCA14** | **Team 10** |
| **Ranjith Kumar B** | **212203909** | **22BCA20** | **Team 10** |

**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) |