

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

<i>Date</i>	<i>6 March 2025</i>
<i>Team ID</i>	<i>SWTID1741252857156345</i>
<i>Project Name</i>	<i>Fitflex</i>
<i>Maximum Marks</i>	<i>4 Marks</i>

Technical Architecture:

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

<i>S.No</i>	<i>Component</i>	<i>Description</i>	<i>Technology</i>
<i>1.</i>	<i>User Interface</i>	<i>How user interacts with application</i>	<i>ReactJS, CSS, React Fa icons</i>
<i>2.</i>	<i>Application Logic-1</i>	<i>Logic for fetching and displaying data</i>	<i>JavaScript, ReactJS</i>
<i>3.</i>	<i>Application Logic-2</i>	<i>API requests handling and error handling</i>	<i>Axios for HTTP requests</i>
<i>4.</i>	<i>External API-1</i>	<i>Fetching ExerciseDB data</i>	<i>ExerciseDB API (via RapidAPI)</i>

Table-2: Application Characteristics:

<i>S.No</i>	<i>Characteristics</i>	<i>Description</i>	<i>Technology</i>
<i>1.</i>	<i>Open-Source Frameworks</i>	<i>List the open-source frameworks used</i>	<i>ReactJS, Axios</i>
<i>2.</i>	<i>Security Implementations</i>	<i>Securing API calls and access controls</i>	<i>HTTPS, API key authentication (RapidAPI)</i>