

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

Date	6 March 2025
Team ID	SWTID1741165503147161
Project Name	FitFlex: Your Personal Fitness Companion
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	React JS, CSS, React Fa icons
	Application Logic- 1	Logic for fetching and displaying data	JavaScript, React JS
	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	React JS, Axios
	Security Implementations	Securing API calls and access controls	HTTPS, API key authentication (RapidAPI)