

Project Design Phase Solution Architecture

Date	6 March 2025
Team ID	SWTID1741252857156345
Project Name	FitFlex
Maximum Marks	4 Marks

Solution Architecture:

The solution architecture for the Fitness Web Application ensures a scalable, efficient, and user-friendly platform for discovering and accessing exercise routines based on body parts and equipment.

Goals of the Solution Architecture:

- *Identify the Best Tech Solution:* Utilize modern front-end frameworks and APIs to provide a seamless fitness discovery experience.
- *Define Structure & Characteristics:* Ensure modular, scalable, and maintainable software architecture for future enhancements.
- *Outline Features & Development Phases:* Clearly structure project milestones for effective development and deployment.
- *Establish Specifications for Development & Delivery:* Provide well-defined guidelines for the system's architecture, API integration, and data flow.

