

## Project Design Phase Solution Architecture

Date	8 March 2025
Team ID	SWTID1741163598147771
Project Name	FitFlex: Your Personal Fitness Companion
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.

