

**Project Design Phase**  
**Solution Architecture**

Date	6 March 2025
Team ID	SWTID1741154194
Project Name	FitFlex
Maximum Marks	4 Marks
<b>Team Size:4</b> <b>Team Leader:</b> ISHWARYA K <b>Team Member:</b> SHANMUGA PRIYA G <b>Team Member:</b> NIVETHA T <b>Team Member:</b> DHANUSH	

**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.

