

Project Design Phase Solution Architecture

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| Date | 6 March 2025 |
| Team ID | SWTID1741148561 |
| Project Name | Fitflex : Your Personal Fitness Companion |
| Maximum Marks | 4 Marks |

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| Team Leader | Dharshini.R |
| Team Member 1 | Anitha.S |
| Team Member 2 | Lavanya.B |
| Team Member 3 | Maria Infantina |
| Team Member 4 | Ratchiga |

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.

