**Project Design Phase**

**Solution Architecture**

|  |  |
| --- | --- |
| Date | 6 March 2025 |
| Team ID | SWTID1741241801150695 |
| Project Name | FitFlex your fitness companion |
| Maximum Marks | 4 Marks |

**Team members**

**1.jecintha rose.A** [**jecintharose32@gmail.com**](mailto:jecintharose32@gmail.com)

**2.kripastri.D** [**kripastridhayalan04@gmail.com**](mailto:kripastridhayalan04@gmail.com)

**3.Anushya eswari.A** [**anushyaeswari70@gmail.com**](mailto:anushyaeswari70@gmail.com)

**4.Harini.S** [**anithasri338@gmail.com**](mailto:anithasri338@gmail.com)

**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.

