**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

| Date | 10 March 2025 |
| --- | --- |
| Team ID | SWTID1741257475147583 |
| Project Name | FitFlex |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

| **ID** | **Category** | **Requirement Description** |
| --- | --- | --- |
| FR001 | User Management | Users must be able to register, log in, and manage their profiles. |
| FR002 | Workout Programs | Trainers should be able to create, edit, and delete workout programs. |
| FR003 | Progress Tracking | Users should be able to log their workouts and track progress over time. |
| FR004 | Subscription & Payments | The system should support payment gateways for subscriptions. |
| FR005 | Notifications | Users should receive reminders for workouts and subscription renewals. |
| FR006 | Reports & Analytics | Admins should access user activity reports and system analytics. |

**Non-functional Requirements:**

Following are the non-functional requirements of the proposed solution.

| **FR No.** | **Non-Functional Requirement** | **Description** |
| --- | --- | --- |
| NFR001 | Performance | The User Interface (UI) should be easy to navigate for all users of all skill levels. |
| NFR002 | Security | User data must be encrypted and follow industry security standards |
| NFR003 | Availability | The platform should have 99.9% uptime to ensure continuous access. |
| NFR004 | Scalability | The system should handle increased users and data efficiently. |
| NFR005 | Compatibility | The platform must be accessible on mobile, tablet, and desktop devices. |
| NFR006 | Usability | The UI/UX should be intuitive and user-friendly for all age groups. |