Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	6 March 2025
Team ID	SWTID1741285623158139
Project Name	FitFlex
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Browsing Exercises	Browse Exercise by Body Parts Browse Exercise by Equipment Browse Exercise by Popular
FR-2	Exercise Details	View exercise GIF, Target muscles, secondary muscles. Confirmation via OTP
FR-3	User Experience	Navigate Back to Home page.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The User Interface (UI) should be easy to navigate for all users of all skill levels.
NFR-2	**Security**	API requests must be secure.
NFR-3	**Reliability**	The system should handle API failures gracefully.
NFR-4	**Performance**	The application should load data quickly.
NFR-5	**Availability**	The system should maintain an uptime of at least 99.9%, ensuring accessibility across different time zones.
NFR-6	**Scalability**	The app should handle increasing numbers of users and concurrent streams efficiently without performance degradation. The architecture should support future feature expansion.