

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

<i>Date</i>	<i>6 March 2025</i>
<i>Team ID</i>	<i>SWTID1741252857156345</i>
<i>Project Name</i>	<i>FitFlex</i>
<i>Maximum Marks</i>	<i>4 Marks</i>

Functional Requirements:

Following are the functional requirements of the proposed solution.

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

Non-functional Requirements:

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

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

