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

Date	1 NOV 2025
Team ID	NM2025TMID02085
Project Name	Garage Management system
Maximum Marks	4 Marks

Functional Requirements:

The following functional requirements define the core features of the Garage Management System:

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Customer Registration	Users can be registered through multiple modes such as a registration form, Google login, and LinkedIn integration to facilitate easy onboarding.
FR-2	User Confirmation	After registration, users receive confirmation via email and OTP to verify their identity and secure the account.
FR-3	User Deletion	Administrators can request to delete customer records from the system.
FR-4	Assignment Check	The system validates if a customer is assigned to any active appointments or services before deletion.
FR-5	Deletion Block	If the customer is currently assigned to active services, the system blocks deletion
FR-6	Safe Deletion	If no active assignments exist, the system allows deletion of customer records without impacting workflows.

Non-functional Requirements:

Key non-functional requirements ensure system usability, performance, security, and scalability:

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The user interface should be simple and intuitive for administrators to manage customer records .
NFR-2	Security	Only authorized users such as administrators are permitted to delete customer records.
NFR-3	Reliability	The system must consistently and correctly check customer assignments prior to deletion.
NFR-4	Performance	Assignment checks and deletion processes must occur promptly without noticeable delay to users.
NFR-5	Availability	The system should be accessible at all times for administrators to manage customer .
NFR-6	Scalability	The platform should handle growing volumes of users and service records .