

Project Design Phase-II

Solution Requirements (Functional & Non-Functional)

Date	27 JUNE 2025
Team ID	NM2025TMID05656
Project Name	Garage Management System
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	Vehicle Registration	Register vehicle details. Enter owner name, contact number, vehicle model, registration number
FR-2	Service Booking	Book service appointments Admin or customer can schedule services
FR-3	Mechanic Assignment	Automatically assign available mechanic Assign based on specialization
FR-4	Service Status Update	Mechanic updates service progress . Status: Pending / In Progress / Completed

FR-5	Invoice Generation	Generate bill for services. Include spare parts, taxes, and total cost
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Non-Functional Requirements :

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

FR No	Non-Functional Requirement	Description
NFR-1	Usability	The interface should be user-friendly for both admin and mechanics.
NFR-2	Security	Only authorized users (admins) can manage customer and vehicle data.
NFR-3	Reliability	The system should correctly update and store all service records without failure.
NFR-4	Performance	Service bookings and updates should process quickly without delay.
NFR-5	Availability	The system should be available anytime for customers and garage staff.
NFR-6	Scalability	The system should handle more customers, vehicles, and mechanics as the business grows.