

# SOLUTION REQUIREMENT

Date	23 October 2025
Team ID	NM2025TMID02904
Project Name	Garage Management System
Maximum Marks	2 marks

## 1. Functional Requirements

The functional requirements define the specific operations and services that the Garage Management System must perform. These include all essential features that support users and automate garage processes.

The system should allow administrators, mechanics, and customers to interact through a centralized platform where tasks such as vehicle registration, service booking, and billing can be managed digitally. The customer can log in to book services, view vehicle status, and receive updates. The mechanic can update job progress, record spare parts usage, and mark services as completed. The administrator manages users, schedules, and monitors overall performance through dashboards.

<b>S.No</b>	<b>Requirement</b>	<b>Description</b>
1	<b>User Management</b>	Allows administrators to create, update, and
2	<b>Vehicle Registration</b>	Enables users to register vehicles with details like model, type, and number.
3	<b>Service Booking</b>	Customers can book vehicle services online and select preferred dates.
4	<b>Job Tracking</b>	Tracks service status in real time for both customers and
5	<b>Billing and Invoicing</b>	Automatically generates service bills and payment
6	<b>Notification System</b>	Sends alerts and updates to customers regarding

## 1. Non-Functional Requirements

The non-functional requirements specify the quality attributes and performance standards the system must meet. These ensure reliability, scalability, and usability of the application.

S.No	Requirement	Description
1	<b>Performance</b>	The system should handle multiple users and service requests simultaneously without delay.
2	<b>Security</b>	Implements authentication, authorization, and data encryption to ensure data privacy.
3	<b>Scalability</b>	The cloud-based design supports future expansion for multiple garage branches.
4	<b>Usability</b>	Provides an intuitive interface that is easy to use for all types of users.
5	<b>Availability</b>	Ensures 24/7 system uptime and quick access through the Salesforce cloud.