

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

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|---------------|--------------------------|
| Date | 02 November 2025 |
| Team ID | NM2025TMID05082 |
| 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 | Registration of new vehicles through form input |
| FR-2 | Customer Registration | Register new customers via form or email |
| FR-3 | Service Request Management | Customers can request vehicle servicing |
| FR-4 | Service Assignment | System assigns service requests to mechanics |
| FR-5 | Service Status Tracking | Update and view service progress |
| FR-6 | Billing and Payment Processing | Generate bills after service completion |

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 simple for staff and customers |
| NFR-2 | Security | Only authorized staff can modify service and billing data |
| NFR-3 | Reliability | Service status and billing should be accurately tracked |
| NFR-4 | Performance | System should respond promptly to service updates and billing |
| NFR-5 | Availability | System should be accessible while the garage operates |
| NFR-6 | Scalability | Should handle increasing numbers of vehicles and services |