

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

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|---------------|------------------------------|
| Date | 31 October 2025 |
| Team ID | NM2025TMID06949 |
| Project Name | LAPTOP REQUEST CATALOG ITEMS |
| 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 | Laptop Request Form | Access laptop request form with guided fields Role-based laptop recommendations |
| FR-2 | Dynamic Form Behavior | Dynamic fields visibility based on selections (UI Policies) Reset form to default (form functionality) |
| FR-3 | Approval Workflow | Manager approval with comments Send email notifications for approval/rejection |
| FR-4 | Fulfillment & Status Tracking | IT staff access inventory info from CMDB Real-time status tracking for employees |

Non-functional Requirements:

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

| FR No. | Non-Functional Requirement | Description |
|--------|----------------------------|---|
| NFR-1 | Usability | The catalog item interface should be intuitive, user-friendly, and provide dynamic guidance based on user input. |
| NFR-2 | Security | Access to the laptop request form and approval workflows must be role-based with strict authentication and authorization controls to ensure data privacy. |
| NFR-3 | Reliability | The system should process requests and approvals accurately without data loss or downtime, ensuring consistent operation. |
| NFR-4 | Performance | The form loading time and workflow processing should be efficient, with minimal latency to avoid user frustration. |
| NFR-5 | Availability | The laptop request service should be available 99.9% of the time, with scheduled maintenance windows communicated in advance. |
| NFR-6 | Scalability | The solution must support future expansion such as additional user roles, new laptop models, and integration with other systems without significant rework. |