

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	02 November 2025
Team ID	NM2025TMID04313
Project Name	Laptop Request Catalog Item
Maximum Marks	5 Marks

Functional Requirements (FRs)

Functional Requirements define the **specific actions, behaviors, and data** that the **Laptop Request Catalog Item** solution must perform. These requirements directly map to the core implementation steps.

FR No.	Functional Requirement	Sub Requirement (Story / Sub-Task)
FR-1	Catalog Access	User accesses the Laptop Request form via the Service Catalog (Hardware category).
FR-2	Data Capture	Form accurately captures all required input variables (laptop_model, justification, accessories).
FR-3	Dynamic Field Control	Catalog UI Policy dynamically makes accessories_details Visible and Mandatory when additional_accessories is true
FR-4	Form Reset	Client UI Action allows the user to instantly clear all form fields using g_form.clearForm().
FR-5	Data Storage	Submitted data is correctly stored and mapped to the Requested Item (sc_req_item) table.
FR-6	Configuration Governance	All configurations are managed within the dedicated " Laptop Request " Local Update Set.

Non-functional Requirements (NFRs)

Non-functional Requirements define the **quality attributes** of the solution, focusing on aspects like system performance, reliability, and security, rather than specific functions.

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability (UX)	The form must be simple and intuitive for all employees, minimizing effort and training needs.
NFR-2	Security	Only authenticated and authorized internal users are permitted to submit laptop requests.
NFR-3	Reliability	The client-side logic (UI Policies and Reset Action) must execute consistently without failure.
NFR-4	Performance	Dynamic field visibility and the form reset must be instantaneous (sub-500ms response time).
NFR-5	Availability	The catalog item must be reliably accessible during standard business hours .
NFR-6	Scalability	The form structure must be easily extensible for future hardware categories and new workflows (e.g., approvals).