

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	31 January 2025
Team ID	LTVIP2025TMID30301
Project Name	Laptop Request Catalog Item
Maximum Marks	4 Marks

Functional Requirements:

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Laptop Catalog Management	View available laptops Search laptops by brand/specifications Filter laptops by availability/location
FR-2	Laptop Request Submission	Raise new laptop request Attach purpose/justification document Select laptop model from catalog
FR-3	Request Approval Workflow	Manager approval IT team validation Notification to user upon approval/rejection

FR-4	Laptop Allocation	Allocate laptop to approved user Update inventory post allocation
FR-5	Laptop Return and Reassignment	Raise return request Update status to available upon return Reassign returned laptop if needed
FR-6	User Dashboard	Track laptop request status View current allocated laptop details

Non-functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Interface should be intuitive for all user types (employees, managers, admins)
NFR-2	Security	Role-based access, secure authentication (OAuth2, SSO)
NFR-3	Reliability	System should process requests with high accuracy and minimal failure
NFR-4	Performance	Response time < 2 seconds for all major interactions
NFR-5	Availability	99.9% uptime, even during peak request periods

NFR-6	Scalability	Support increased number of users and requests as the organization grows
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