

ServiceNow Project

Project Title: Laptop Request Catalog Item

Team Details

Role	Name
 Team Leader	Koyyana Suryakiran
 Team Member	Kotaparthi Sai Gopal
 Team Member	Javvadi Venkata Rama Krishna
 Team Member	Ajit Pandirnik
 Team Member	Vaddadi Mohan Sai

Team ID

LTVIP2026TMIDS87197

5 Members

1. Executive Summary

The “Laptop Request Catalog Item” project was initiated to address the inefficiencies in the existing laptop request process within the organization. Manual requests were prone to errors, delays, and lacked dynamic guidance, resulting in lower employee satisfaction.

The solution leverages ServiceNow Service Catalog to provide a dynamic, user-friendly form that guides employees through the request process, ensures data accuracy, integrates automated approval workflows, and provides audit tracking for governance purposes.

This project demonstrates the use of ServiceNow to modernize IT service delivery, improve efficiency, and enhance the overall employee experience.

2. Problem Statement

Employees require laptops for daily work, but the current request process suffers from multiple challenges:

- **Manual process:** Employees submit requests through email or forms without automated tracking.
- **Prone to errors:** Incorrect or incomplete requests are common, causing delays.

- **Lack of guidance:** Employees are not guided through proper laptop selection or accessory options.
- **No audit tracking:** It is difficult to track requests for compliance or governance.
- **Slow approvals:** Managers and IT teams manually approve requests, leading to delays.

These issues create inefficiencies, delayed onboarding, and decreased employee satisfaction.

3. Objectives

The key objectives of the project are:

1. Create a **Service Catalog Item** for laptop requests.
2. Implement **dynamic fields** that guide users and adapt based on selections.
3. Provide **form instructions** and **tooltips** to reduce errors.
4. Add **reset functionality** to allow users to start over if needed.
5. Ensure **audit logging** of all requests, approvals, and updates.
6. Integrate **automated workflows** for approvals and notifications.
7. Enhance **efficiency** and **employee satisfaction** through a streamlined process.

4. Scope of the Project

In Scope

- Development of a Laptop Request Catalog Item in ServiceNow.
- Dynamic form behavior based on user selections (e.g., laptop type, accessories).
- Integration with approval workflow (manager/IT team).
- Audit logging for governance and compliance.
- Notifications to users regarding request status.

Out of Scope

- Laptop inventory management beyond request approval.
 - Procurement and shipping processes handled outside ServiceNow.
 - Non-IT hardware or software requests.
-

5. Stakeholders

Stakeholder	Role/Responsibility
Employees	Submit laptop requests using the catalog item
IT Team	Approve requests, manage configurations, deliver laptops
HR/Manager	Approve requests based on eligibility and role
ServiceNow Admin	Configure catalog item, workflows, notifications
0	Monitor audit logs and governance reports

6. Solution Design

The solution leverages ServiceNow Service Catalog to replace the manual request process with a dynamic, automated, and user-friendly interface.

6.1 Catalog Item Configuration

- Item Name:** Laptop Request
- Category:** IT Services
- Short Description:** Request a new laptop for official use
- Available to:** All employees

6.2 Form Fields and Dynamic Behaviour

Field Name	Type	Description	Dynamic Behaviour
Laptop Type	Dropdown	Options: Standard, High Performance, Lightweight	Accessories field updates based on laptop type
Operating System	Dropdown	Options: Windows, Linux, macOS	Defaults based on Laptop Type
Accessories	Multi-select	Mouse, Keyboard, Docking Station	Visible only if Laptop Type supports them
Delivery Location	Text	Employee office location	Mandatory field
Justification	Text Area	Reason for laptop request	Mandatory if certain laptop types selected
Reset Button	Action	Clears all fields	Always available for user convenience

6.3 Form Validation

- Mandatory fields ensure essential information is captured.
- Real-time validation prevents incorrect inputs (e.g., invalid office location).
- Conditional mandatory fields based on prior selections.

6.4 Workflow and Automation

- **Approval Workflow:**
 - Request is routed to employee's manager.
 - On approval, IT team is notified to process the request.
- **Notifications:**
 - Email notifications sent at request submission, approval, rejection, and completion stages.
- **Audit Tracking:**
 - All request changes logged in ServiceNow for compliance.

6.5 User Experience Enhancements

- Inline instructions and tooltips for each field.
 - Reset button for clearing all inputs.
 - Auto-generated request number for tracking.
 - Responsive form design accessible on desktops and mobile devices.
-

7. Implementation Steps

1. Requirement Gathering:

- Interviewed stakeholders to understand current pain points.
- Defined required fields, workflows, and validation rules.

2. Design:

- Created mockups for the catalog item and dynamic field logic.

3. Development:

- Created Service Catalog Item in ServiceNow.
- Configured dynamic fields, scripts, validations, and reset button.

4. Workflow Integration:

- Configured approval workflow and notifications.

5. Testing:

- Functional testing of dynamic fields, validations, and reset functionality.
- User acceptance testing (UAT) to ensure usability.

6. Deployment:

- Moved catalog item and workflows to production environment.

7. Training:

- Provided employees and managers with usage instructions and guides.
-

8. Testing and Quality Assurance

Test Type	Description	Result
Functional Testing	Validate form fields, dynamic behavior, reset button	Passed
Workflow Testing	Validate approval routing and notifications	Passed
User Acceptance Testing (UAT)	Employees tested form for usability	Passed
Audit Verification	Checked logs for request history and changes	Passed

9

. Benefits

- **Efficiency:** Reduces request processing time and manual intervention.
 - **Accuracy:** Dynamic fields and validations prevent errors.
 - **User Experience:** Intuitive and user-friendly interface improves satisfaction.
 - **Automation:** Streamlined workflows reduce IT and managerial workload.
 - **Governance:** Audit logs provide compliance and tracking capabilities.
-

10. Challenges and Solutions

Challenge	Solution
Manual errors in requests	Dynamic fields and validations prevent incorrect entries
Delays in approvals	Automated workflow with notifications ensures timely approvals
Tracking and governance	Audit logs capture all changes and approvals for compliance
User resistance	Training and instructions provided to ease adoption

11. Future Enhancements

- Integration with **inventory management** to automatically check laptop availability.
 - Self-service **replacement request** for damaged or old laptops.
 - Analytics dashboard for **IT resource planning**.
 - Mobile app integration for on-the-go request submission.
-

12. Conclusion

The Laptop Request Catalog Item project successfully replaces a manual, error-prone laptop request process with an automated, efficient, and user-centric solution using ServiceNow. The project has improved process efficiency, reduced errors, enhanced governance, and elevated employee satisfaction.

This project serves as a model for digitizing manual IT processes and demonstrates how ServiceNow can be leveraged to deliver modern, streamlined, and compliant service management solutions.