# LAPTOP REQUEST CATALOG ITEM

Submitted by

**Team Leader** 

Steffi Joy S (910022104034)

**Team Members** 

Prasanna R (910022104303)

Divya K (910022104008)

In partial fulfilment for the award of the degree

### BACHELOR OF ENGINEERING

in

### COMPUTER SCIENCE AND ENGINEERING

NAAN MUDHALVAN LAB

ANNA UNIVERSITY REGIONAL CAMPUS MADURAI-625-019



ANNA UNIVERSITY: CHENNAI 600 025

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Supervised by

Dr. Srie Vidhya Janani, M.E., Ph.D.,

### **BONAFIDE CERTIFICATE**

This is to certify that the project report titled "Laptop Request Catalog Item" is the bonafide work of Steffi Joy S (910022104034), Prasanna R (91022104303), Divya K (910022104008), who carried out the project work under my supervision in the Naan Mudhalvan Lab.

V. 8).110 30/10/25

**SIGNATURE** 

HEAD OF THE DEPARTMENT

Edwidly Janani 30 10/25

**SIGNATURE** 

**FACULTY** 

Department of Computer Science and Engineering, Anna University Regional Campus Madurai-625-019

#### **ACKNOWLEDGEMENT**

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Team Leader

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Divya K (910022104008)

#### **ABSTRACT**

The Laptop Request Catalog Item project, developed using the ServiceNow platform, focuses on automating and streamlining the process of requesting laptops within an organization. In most workplaces, laptop requests are handled manually through emails or paper-based forms, often resulting in delays, incomplete data, and inefficient tracking. This project replaces that manual system with a dynamic, digital Service Catalog item that provides a user-friendly and efficient experience for both employees and administrators.

The proposed system allows users to submit laptop requests using an interactive form that adapts dynamically based on user input. Key features include **dynamic field visibility** using **UI Policies**, which display or hide fields such as "Accessories Details" depending on user selections, and a **UI Action** that allows users to reset the form with a single click. All configuration changes are captured and managed using **Update Sets**, enabling smooth migration between different ServiceNow instances and ensuring version control.

This solution not only improves data accuracy and speeds up the request process but also enhances user satisfaction by offering a clear and intuitive interface. It demonstrates how the ServiceNow platform can be customized to build non-IT service management applications that bring automation, transparency, and operational efficiency to routine business processes.

Overall, the Laptop Request Catalog Item using ServiceNow project showcases how low-code automation can replace traditional manual workflows with intelligent, scalable, and easily maintainable digital solutions that promote efficiency and governance within organizations.

#### **ProblemStatement:**

Employees in the organization need a quick and efficient way to request laptops for work. The current process is manual and prone to delays, with no dynamic form behavior to guide users or ensure accurate data collection. To address this, a Service Catalog item needs to be created, allowing users to easily request a laptop, with dynamic fields, clear instructions, and additional functionality like resetting the form if needed. The solution should also ensure all changes are tracked for governance and deployment.

### **Objectives:**

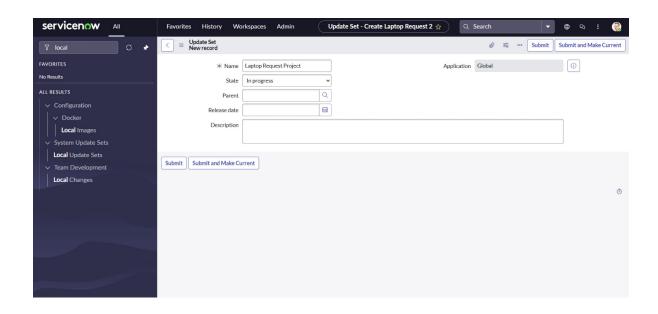
The main objective of the **Laptop Request Catalog Item** project is to automate and simplify the laptop request process within the organization through an efficient, user-friendly Service Catalog form. This solution aims to eliminate manual errors, reduce processing delays, and enhance the overall user experience.

- ➤ To design and implement a dynamic Service Catalog item that allows employees to request laptops easily and accurately.
- > To incorporate dynamic field behavior, ensuring that form options change based on user input, making the process more intuitive and context-aware.
- ➤ To provide clear instructions and validation messages within the form, helping users enter correct and complete data.
- To include a "Reset Form" functionality, enabling users to clear all inputs and restart the process when needed.
- ➤ To maintain proper governance and traceability by tracking all configurations and updates through update sets for deployment.
- > To improve operational efficiency by minimizing approval delays, ensuring accurate data collection, and streamlining IT asset management.

# **Skills Required:**

# **Update set**

# **Create Local Update set**



- 1. Open service now.
- 2. Click on All >> search for update sets
- 3. Select local update sets under system update sets
- 4. Click on new
- 5. Fill the following details to create a update set as: "Laptop Request"
- 6. Click on submit and make current
- 7. By clicking on the button it activates the update set .

### **Service Catalog Item**

### **Create Service Catalog Item**

Duration: 1 Hrs

## Skill Tags:

1. Open service now.

2. Click on All >> service catalog

3. Select maintain items under catalog definitions

4. Click on New.

5. Fill the following details to create a new catalog item

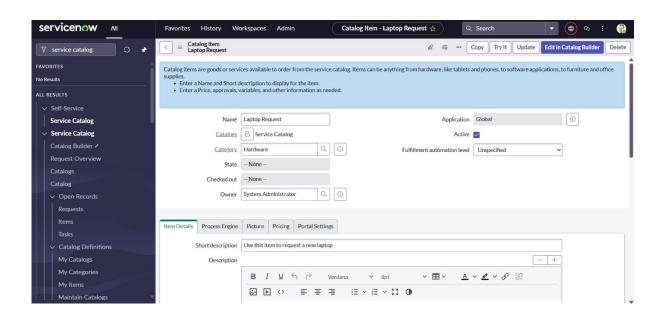
Name: Laptop Request

Catalog: service Catalog

Category: Hardware

Short Description: Use this item to request a new laptop

6. Click on 'SAVE'



### Add variables

Duration: 1 Hrs

Skill Tags:

### Step1:

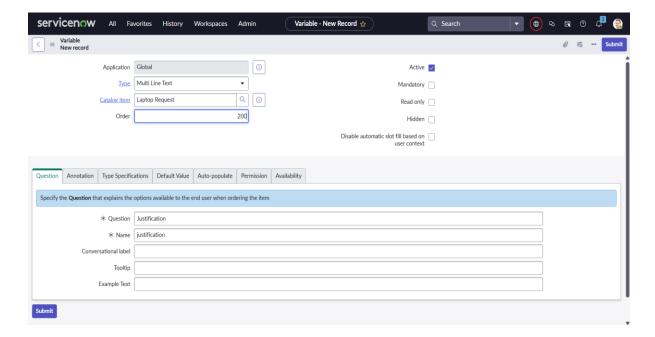
- After saving the catalog item form scroll down and click on variable (related list)
- Click on new and enter the details as below
  - 1. Variable 1: Laptop Model

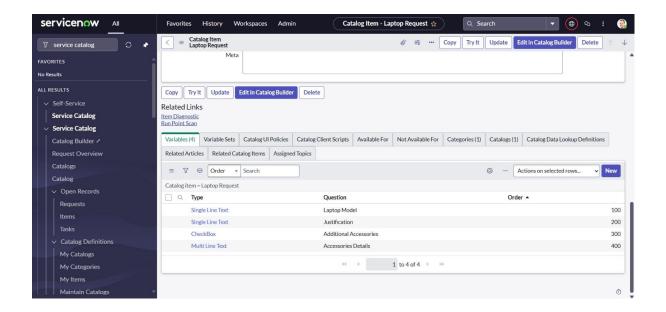
Type: Single line text

Name: laptop model

Order:100

- Click on submit
- Again click on new and add Remaining variables in the above process





### Variable 2: Justification

Type: Multi line text

Name: justification

Order:200

Variable 3: Additional Accessories

Type: Checkbox

Name: additional accessories

Order:300

Variable 4: Accessories Details

Type: Multi line text

Name:accessories details

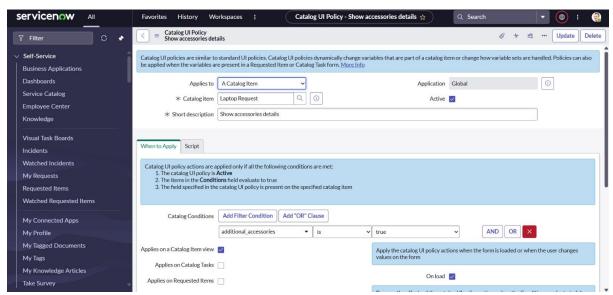
Order:400

# **UI Policy**

### **Create Catalog Ui policies**

### Skill Tags:

- 1. Click on all>> search for service catalog
- 2. Select maintain item under catalog definition
- 3. Search for 'laptop request' which is created before
- 4. Select 'laptop request' and scroll down click on "Catalog Ui policies"
- 5. In the catalog ui policies related list tab click on new
- 6. Give short description as: show accessories details
- 7. Set the Catalog Condition in the related list tab 'when to apply'



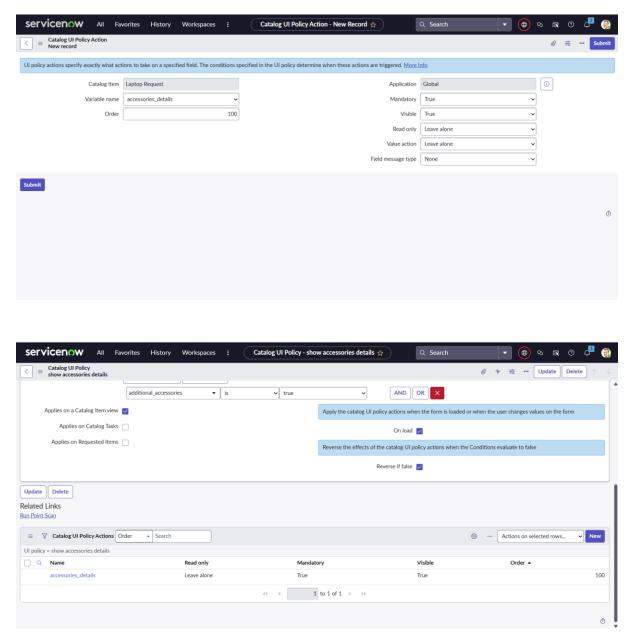
- 8. Scroll down and select 'catalog ui action'
- 9. Then click on new button
- 10. Select variable name as: accessories\_details

Order:100

Mandatory: True

Visible: True

# 11. Click on save and again click save button of the catalog ui policy form



#### **UI Action**

### Create ui action

Duration: 1 Hrs

- 1. Open service now.
- 2. Click on All >> search for ui action

- 3. Select ui actions under system definition
- 4. Click on new
- 5. Fill the following details to create ui action

```
Table: shopping cart(sc_cart)
```

Order:100

Action name: Reset form

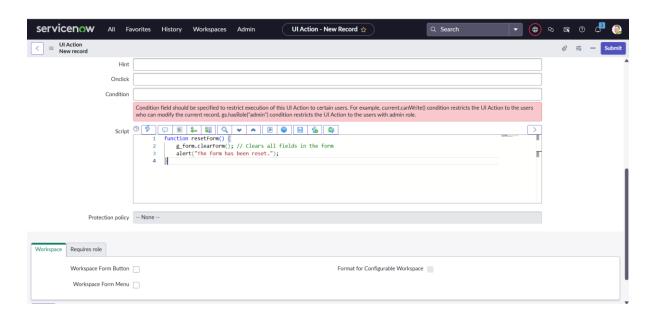
Client: checked

Script:

```
Script:
```

```
function resetForm() {
  g_form.clearForm(); // Clears all fields in the form
  alert("The form has been reset.");
```

### Click on save

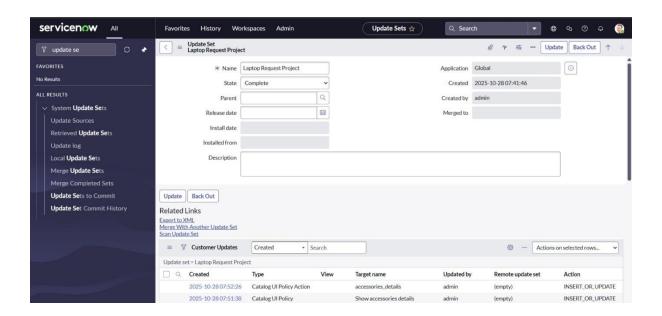


### **Export Update set**

### **Exporting changes to another instances**

Duration: 1 Hrs

- 1. Click on All >> search for update sets
- 2. Select local update set
- 3. Select created update set i.e. 'Laptop Request Project'
- 4. Set the state to 'Complete'
- 5. In the related list Update tab, updates are visible which we perform under this update set.
- 6. Click on export to XML, it download one file



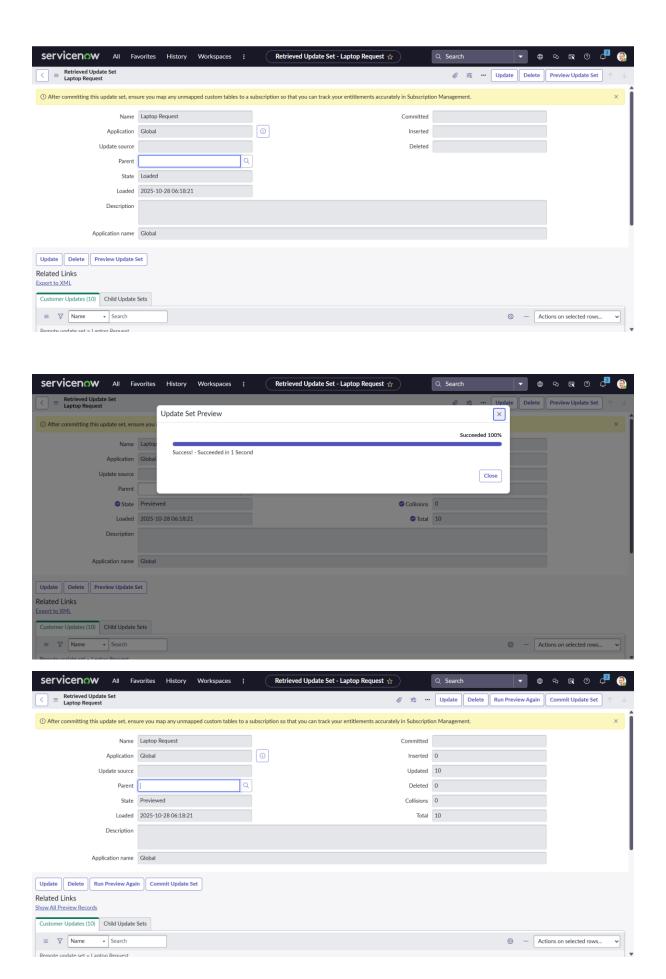
# Login to another Instance

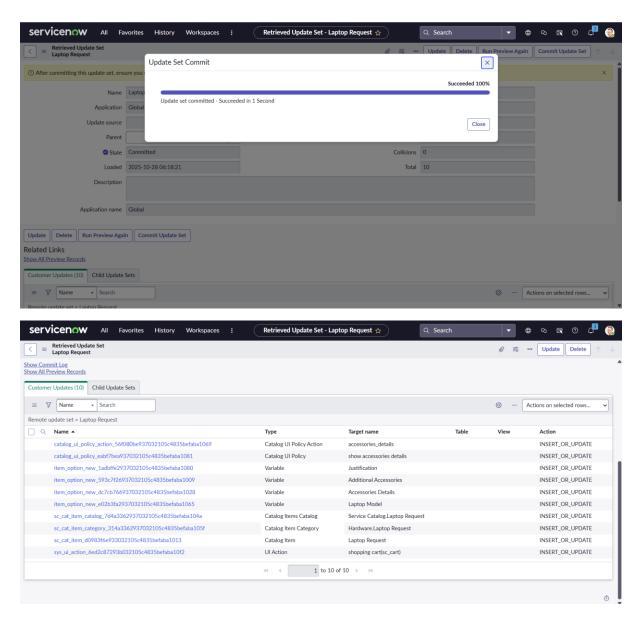
### Retrieving the update set

Duration: 1 Hrs

- 1. Open another instance in incognito window
- 2. Login with credentials
- 3. Click on all>> search for update sets
- 4. Select "Retrieved update set" under system update set
- 5. It open retrieved update set list and scroll down
- 6. Click on Import update set from XML
- 7. Upload the downloaded file in XML file
- 8. Click on Upload and it gets uploaded.
- 9. Open retrieved update set 'laptop request project'
- 10.Click on preview update set
- 11. And click on commit update set
- 12. And also see the related tab updates
- 13. After committing update set in this instance we get all updates which are done in the previous instance.







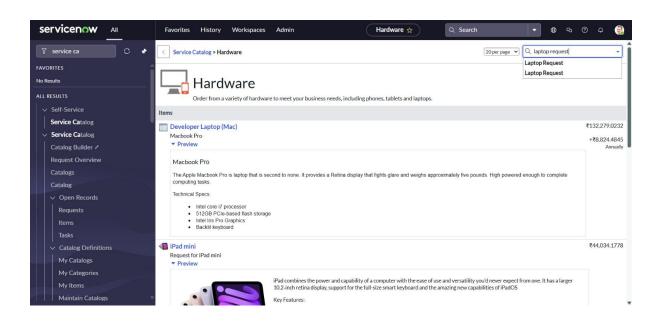
### **Testing**

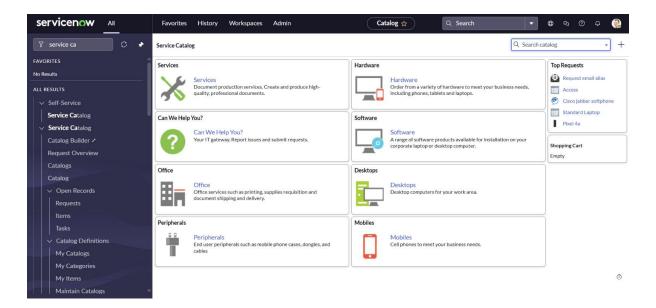
### **Test Catalog Item**

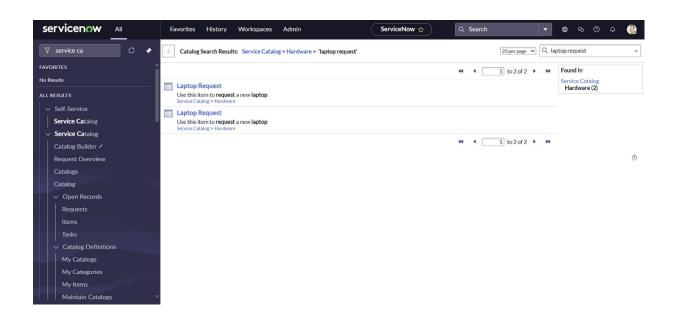
Duration: 1 Hrs

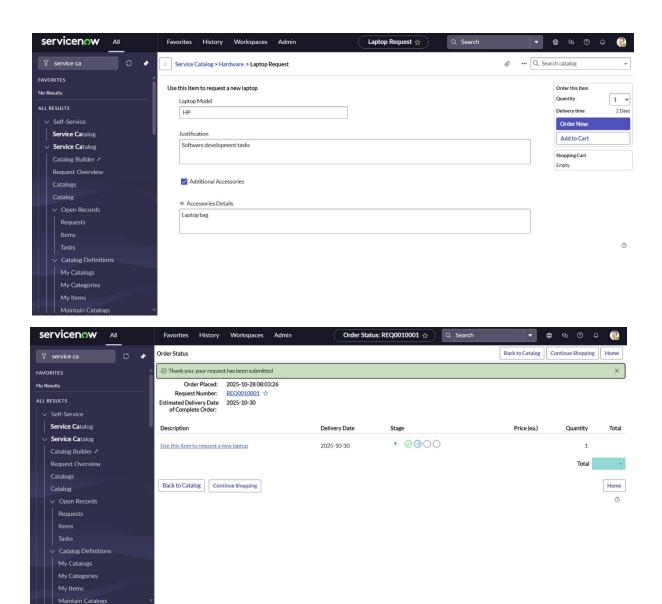
- 1. Search for service catalog in application navigator in target instance
- 2. Select catalog under service catalog
- 3. Select hardware category and search for 'laptop request' item
- 4. Select laptop request item and open it

- 5. It shows three variables only
- 6. As per our scenario, when we click on additional accessories checkbox then accessories details fields is visible and that should be mandatory
- 7. Now see the results, it fulfills our requirements.









#### **Conclusion:**

The Laptop Request Catalog Item project successfully streamlines the process of requesting laptops within the organization by leveraging ServiceNow's Service Catalog capabilities. Through the implementation of a dynamic catalog item, the project ensures that users have an intuitive and user-friendly interface, reducing errors and improving efficiency. This project demonstrates how ServiceNow can be used to replace manual, error-prone processes with automated, efficient, and user-centric solutions. It not only improves service delivery but also enhances employee satisfaction by providing a modern and streamlined request experience.