

## **6.FUNCTIONAL AND PERFORMANCE TESTING**

<b>TEAM ID</b>	LTVIP2025TMID30940
<b>PROJECT NAME</b>	Asset Management Portal

### **Milestone 5: Testing**

Testing involves ensuring the proper functionality and performance of the ServiceNow platform, including its applications, configurations, integrations and workflows.

#### **Use**

Testing ensures the quality, reliability, and security of applications built on the platform. It involves validating custom applications, configurations, integrations, and workflows before they are released to production.

#### **Activity 1: Testing UI Action**

##### **Steps**

- 1. Go to Asset Inventory table**
- 2. Click on New**
- 3. Fill in the details**
  - a) Asset name : Laptop**
  - b) Type : laptop**
  - c) Assigned to : Abel Tutor**
  - d) Status : Available**
  - e) select some purchase and expiry date**
- 4. Click on submit**

5. Open the record again
6. Click on mark as lost button and save
7. Check the status is changed to lost.

This screenshot shows the 'New Record' form for 'asset inventory' in ServiceNow. The form contains the following fields:

- Number: AST001015
- Purchase date: 2025-05-03
- Assigned to: Abel Tutor
- \* Status: available
- Asset name: Laptop
- Warranty Expire: 2025-06-15
- \* Type: laptop

At the bottom of the form, there are three buttons: 'Submit', 'Mark As Damaged', and 'Mark As Lost'. The browser's address bar shows a complex URL with parameters for the record.

This screenshot shows the 'Update' form for the 'asset inventory' record with ID AST001015. The form contains the following fields:

- Number: AST001015
- Purchase date: 2025-05-03
- Assigned to: Abel Tutor
- \* Status: Lost
- Asset name: Laptop
- Warranty Expire: 2025-06-15
- \* Type: laptop

At the bottom of the form, there are five buttons: 'Update', 'Mark As Damaged', 'Mark As Lost', 'Mark As Repaired', and 'Delete'. The browser's address bar shows a complex URL with parameters for the record.

Number	Asset name	Assigned to	Purchase date	Status	Type	Warranty Expire
AST001015	Laptop	Abel Tutor	2025-05-03	Lost	laptop	2025-06-15

## Activity 2: Testing Scheduled Job

### Steps

1. Navigate to background scripts
2. Write the Scheduled job script in the background scripts
3. Click on Run Script
4. Check the result

Running freeform script can cause system disruption or loss of data.

Run script (JavaScript executed on server)

```

1 var grAsset = new GlideRecord('u_asset_inventory'); // Replace with your table name
2 var today = new GlideDateTime();
3 var futureDate = new GlideDateTime();
4 futureDate.addDays(30); // Get date 30 days from now
5
6
7 grAsset.addQuery('u_warranty_expiry', '<=', futureDate); // Warranty expiring within the next 30 days
8 grAsset.addQuery('u_warranty_expiry', '>', today); // Warranty expiring after today
9 grAsset.query();
10
11
12 while (grAsset.next()) {
13   var email = new GlideEmailOutbound();
14   email.setSubject('Warranty expiry Alert: ' + grAsset.getValue('u_asset_name')); // Use getValue for dynamic field access
15   email.setBody('The warranty for ' + grAsset.getValue('u_asset_name') + ' (Type: ' + grAsset.getValue('u_asset_type') +
16   ') is expiring soon on ' + grAsset.getValue('u_warranty_expiry') + '. Please take action.');//get values dynamically
17   email.addTo('it-support@company.com'); // Change to your IT support email
18   email.send();
19   gs.info('Email sent for asset: ' + grAsset.getValue('u_asset_name')); // Log for confirmation
20 }
  
```

Run Script In scope:  Record for rollback? ☒ Execute in sandbox? ☐ Execute as scriptlet? ☐ Cancel after 4 hours ☒

+ Instance Scripts

