FUNCTIONAL AND PERFORMANCE TESTING

TEAM ID	LTVIP2025TMID30624
PROJECT NAME	Asset Management Portal

MILESTONE 5: TESTING

PURPOSE:

o To verify that the created UI action (button or link) works as expected.

o To ensure the action triggers the correct function without errors.

o To identify and fix bugs before going live.

USE:

o Confirms that actions like "Assign Asset" or "Return Asset" perform correctly.

o Ensures a smooth user experience by preventing broken or faulty buttons.

o Validates that scripts, conditions, and permissions tied to the UI action function properly.

o Improves system reliability and reduces user confusion or errors.

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.

MILESTONE 5: TESTING

PURPOSE:

o To ensure the scheduled job runs automatically at the defined time.

o To verify the job performs the intended task correctly (e.g., send alert, update record).

o To detect and fix errors in automation before production use.

USE:

o Confirms that alerts or reports are generated on time.

o Ensures asset maintenance reminders are sent without failure.

o Validates data updates or status changes happen as scheduled.

o Improves automation reliability and reduces manual oversight.

o Helps maintain consistent and accurate system performance.

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, Check the result

```
1    var grAsset = new GlideRecord('u_asset_inventory'); // Replace with your table name
2
3    var today = new GlideDateTime();
4
5    var futureDate = new GlideDateTime();
6
7    futureDate.addDays(30); // Get date 30 days from now
8
9    grAsset.addQuery('u_warranty_expire', '<=', futureDate);  // Warranty expiring within the next 30 days
10
11   grAsset.addQuery('u_warranty_expire', '>=', today);       // Warranty expiring after today
12
13   grAsset.query();
14
15   while (grAsset.next()) {
16
17       var email = new GlideEmailOutbound();
18
19       email.setSubject("Warranty Expiry Alert: " + grAsset.getValue('u_assest_name'));  // Use getValue for dynamic field access
20
21       email.setBody("The warranty for " + grAsset.getValue('u_assest_name') + " (Type: " + grAsset.getValue('u_asset_type') +
22
23           ") is expiring soon on " + grAsset.getValue('u_warranty_expiry') + ". Please take action.");  // Get values dynamically
24
25   email.setTo('it-support@company.com'); // Change to your IT support email
26
27       email.send();
28
29
30
31       gs.info("Email sent for assest: " + grAsset.getValue('u_assest_name'));  // Log for confirmation
32
33   }
```

Run Script   in scope global ▾   Record for rollback? ☑   Execute in sandbox? ☐   Execute as scriptlet? ☐   Cancel after 4 hours ☑

+ Instance Scripts

4.

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asset inventory
New record

Submit   Mark As Dameged   Mark As Lost

Number		Asset name	
Purchase date		Type	-- None --
Status	-- None --	Warranty Expire	
Assigned to			

Submit   Mark As Dameged   Mark As Lost

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dev182908.service-now.com/now/nav/ui/classic/params/target/u_asset_inventory.do%3Fsys_id%3Dec25af51c35e22504c5d7132b401315f%...

asset inventory
IST001101

Update   Mark As Dameged   Mark As Repaired   Delete

Number	IST001101	Asset name	Laptop
Purchase date	2025-06-22	Type	laptop
Status	Lost	Warranty Expire	2025-07-30
Assigned to	Abel Tutor		

Update   Mark As Dameged   Mark As Repaired   Delete