# [Template] - Test Plan

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Project Owner/s	[Project Owner/s Name]
Status	For Approval
Last Updated	05/08/2025

# Objective

The objective of this test plan is to ensure the efficiency and effectiveness of the **Asset Replenishment Automation Module**.

#### This module is designed to:

- Automate the detection of low inventory
- Generate tickets for TS Procurement
- · Reduce manual effort and minimize human error
- Improve accuracy and responsiveness in asset replenishment

#### Key features include:

- · Automated Stock Monitoring
- Automated Ticket Creation
- Stock Audit Tracking

# Scope

- In Scope:
  - [List in-scope features or systems]
- Out of Scope:
  - [List features/systems excluded from this testing]

# Test Approach

### **Phases of Testing:**

- 1. Requirement Analysis:
  - Analyze Business Requirements
  - Requirements Traceability Matrix (RTM)

#### 2. Testing Scope:

- Automated Stock Level Monitoring
- Automated Ticket Generation
- Email Notification
- · Automated Stock Audit Tracking

# Testing Level:

• [Unit, Integration, System, Acceptance, etc.]

#### **Testing Types:**

• [Functional, Regression, Security, Usability, etc.]

## **Defect Management:**

• Log and manage defects using [e.g., JIRA]

#### **Test Closure:**

• Validate coverage, prepare a summary report, and collect approvals

# ☐ Test Environment

### **Environment Configurations**

- Software: [Specify OS, database, and application details]
- Network: [Specify network configurations]
- Tools: [List tools for testing and defect management]

#### **Setup Activities:**

- Deploy stable application builds with proper version control.
- Validate connectivity with APIs and external systems.

### **Roles and Responsibilities**

Role	Responsibility
QA	Define test strategy, review test plans, and monitor test progress.  Design and execute test cases, log defects, and validate fixes.
Developers	Address reported defects and provide updated builds.
Business Analysts	Provide clarifications on requirements and acceptance criteria.
Stakeholders	Approve test results and provide sign-offs for release.

### **Test Deliverables**

- Requirements Traceability Matrix (RTM)
- Test Plan Document
- Test Case Document
- Test Execution Report
- Defect Tracking Log
- Test Summary Report

# Schedule

Activity	Start Date	End Date	Deliverables
Requirement Review	[Insert Date]	[Insert Date]	Requirements Traceability Matrix
Test Plan Creation	April 7, 2025	April 7, 2025	Test Plan Document
Test Case Development	April 8, 2025	April 8, 2025	Test Case Document (Parallel with sprints)
Test Environment Setup	[Insert Date]	[Insert Date]	Configured environment c/o DevOps
Functional Testing	[Insert Date]	[Insert Date]	Test execution reports, Defect logs
Regression Testing	[Insert Date]	[Insert Date]	Test execution reports, Defect logs
Security Testing	[Insert Date]	[Insert Date]	Test execution reports, Defect logs
Defect Fix Verification	[Insert Date]	[Insert Date]	Test execution reports, Defect logs
Final QA Sign-off	[Insert Date]	[Insert Date]	Test Summary Report, Stakeholder Sign-Off

### **Entry and Exit Criteria**

#### • Entry Criteria:

- Approved requirements and design documentation.
- Availability of test environment and tools.
- Stable application build for testing.

#### • Exit Criteria:

- All planned test cases executed with a pass rate above 95%.
- No critical defects unresolved.
- Test Summary Report and stakeholder approvals completed.

# Risks and Mitigation

Risk	Mitigation
Requirement changes while ongoing testing	Conduct regular checks of requirement to ensure alignment throughout development cycle.
Delays in Development / Defect fixes	Monitor progress closely and prioritize critical issues.
Poor Integrations across connected platform	Perform continuous integration testing, and ensure API documentation is followed.

Risk	Mitigation
Poor user experience and acceptance	Perform usability testing involving the end user's.
Issues in Production	Perform regression testing before release of module.

# ▲ Approval

Role	Name	Signature	Date
QA Engineer			
Development Lead			
Business Analyst			
Product Development Manager			
Project Owner			