**Testing Plan with Acceptance Criteria**

**Objective**: Validate Sprint 4 functionality: Loss Creation, Return Processing, Product Management, Supplier Orders, and Report Generation, ensuring all workflows meet functional and user experience requirements.

Setup & Preliminary Steps:

• Pre-modify a few warehouse inventory items at various quantities (some below reorder thresholds).

• Load sample product images for item details.

• Generate enough test transactions (orders, deliveries) to allow report testing.

1. Create Loss

**Steps**:

• Log in as Store Manager or Warehouse Manager.

• Navigate to Loss/Damage section.

• Select an item to record as lost or damaged.

• Add an explanatory note.

• Save the record.

**Acceptance Criteria:**

• Item is successfully recorded as lost or damaged.

• Inventory decrements appropriately.

• An audit trail entry is created.

• Note is saved with the loss record.

**Expected Result:**

Loss is recorded, inventory quantity reduced, and audit trail updated.

2. Process Return

**Steps:**

• Log in as Store Manager, Assistant Store Manager, or Warehouse Manager.

• Select an item to process as returned.

• Indicate item condition (good or not).

• Add explanatory note.

• Complete the return.

**Acceptance Criteria:**

• If in good condition, inventory quantity increments.

• If not, inventory remains unchanged and Loss can be created.

• Audit trail record is created.

• Note is saved.

**Expected Result:**

Return processed correctly; inventory and audit trail updated accordingly.

3. Add New Product

**Steps:**

• Log in as Warehouse Manager.

• Navigate to Add New Product.

• Enter required fields (name, category, case size, weight, etc.).

• Upload a product image.

• Save.

**Acceptance Criteria:**

• New product defaults to active (item.active = 1).

• Product image saved and displayed correctly.

• New item added to each store’s inventory with quantities and thresholds set to 0.

**Expected Result:**

New product is created, active, with image uploaded, and inventory initialized.

4. Edit Product

**Steps:**

• Log in as Admin or Warehouse Manager.

• Search and select a product.

• Edit allowed fields: name, description, category, supplierID, case size, weight, active status, notes.

• Upload a new image (optional).

• Save.

**Acceptance Criteria:**

• Only the allowed fields can be edited.

• Deleting a product sets it inactive (active = 0), does not remove it.

• New image (if uploaded) displays correctly.

**Expected Result:**

Product details updated successfully.

5. Create Supplier Order

**Steps**:

• Log in as Warehouse Manager.

• Start a new Supplier Order.

• System automatically adds items below minimum threshold.

• Manually add extra items as needed.

• Search and filter inventory by supplier.

• View item details/images.

• Save Supplier Order.

**Acceptance Criteria:**

• Items below reorder thresholds auto-populate correctly.

• Manual item addition works.

• Search, sort, and filter by supplier functions properly.

• Item details and images are viewable.

**Expected Result:**

Supplier Order created with correct items, full search/filter capabilities, and item details accessible.

6. Create Reports

**Steps:**

• Log in as Admin, Warehouse Manager, or Store Manager.

• Select a report type:

• Delivery Report

• Store Order Report

• Emergency Orders

• Shipping Receipt

• Inventory

• Orders

• Users

• Backorders

• Supplier Order

• Apply optional filters (site, date ranges, supplier, etc.).

• Generate and export report.

**Acceptance Criteria:**

• Reports support dynamic date range filters where applicable.

• Filters (e.g., by site, supplier, role) work correctly.

• Correct fields appear for each report type (e.g., mileage and vehicle size for Delivery Report).

• Reports are generated and exportable.

**Expected Result:**

Reports successfully generated with correct filters, fields, and formatting.