**Testing Plan with Acceptance Criteria**

**Objective**: Validate all features in Sprint 2 against the defined **acceptance criteria**.

1. Audit Activity

**Test:** Ensure every transaction creates a corresponding audit record.

**Steps:**

1. Perform a transaction in the system (e.g., create an order, edit inventory, fulfill an order).

2. Query the Audit table in the database.

3. Verify that an audit record is created for the transaction.

4. Ensure the audit record includes the **Transaction ID, UserID, Date/Time, and Description**.

5. Test that changes to different transaction types (e.g., Store Orders vs. Emergency Orders) generate distinct audit records.

**Acceptance Criteria (Verbatim from documentation):**

• Every action taken in the txn table creates a record in the **Audit table**.

• The audit record must contain:

• **Unique Transaction ID**

• **UserID who performed the task**

• **Date/Time**

• **Description of the activity**

• Can be set up as a generic trigger (minimum) or coded to handle all types of transactions with more specific descriptions (preferred).

**Expected Result:**

• An audit record appears for **every transaction**, containing the required information.

2. Move Inventory

**Test:** Verify that inventory location updates correctly.

**Steps:**

1. Move an inventory item from **Warehouse to Warehouse Bay**.

4. Query the database to confirm that **siteID and itemLocation fields of the inventory are updated correctly**.

**Acceptance Criteria:**

• **Inventory changes locations** accurately.

• **Examples of inventory movement:**

• Placed into an order → Removed from warehouse inventory.

• Loaded onto a truck → Added to truck inventory.

• Received at store → Added to store inventory.

• Moved within a store (e.g., from storeroom to shelf).

**Expected Result:**

• Inventory records update correctly in the system.

3. Create Store Order

**Test:** Ensure store managers can create a **new weekly order** for a store.

**Steps:**

1. Log in as a **Store Manager**.

2. Attempt to create a new **Store Order**.

3. Verify that **items at or below the reorder threshold** are automatically added.

4. Modify item quantities.

5. Submit the order.

6. Verify that the order appears in the Warehouse Manager’s order list.

**Acceptance Criteria:**

• **Pre-populate order** with items **below reorderThreshold**.

• A new order **cannot** be created if another **NEW** or **ACTIVE** order exists.

• Store managers must be able to:

• Edit order quantities.

• Add/remove items before submitting.

• Order must contain:

• **siteIDTo** (destination store).

• **siteIDFrom** (warehouse).

• **shipDate** (next standard delivery date).

• Order must have **txnType = ORDER** and status **NEW** or **SUBMITTED**.

**Expected Result:**

• Order is **created, modified, and submitted** as expected.

• **Warehouse Manager** can see submitted orders.

4. Create Emergency Order

**Test:** Ensure emergency orders are created correctly and adhere to restrictions.

**Steps:**

1. Log in as a **Store Manager**.

2. Attempt to create an **Emergency Order**.

3. Verify that **only 5 items max** can be added.

4. Submit the order.

5. Verify that the **Warehouse Manager** can see the emergency order.

**Acceptance Criteria:**

• **Only 1 active emergency order** per site at a time.

• **Max of 5 items** can be added.

• **siteIDTo** (destination store).

• **siteIDFrom** (warehouse).

• **shipDate defaults to the next day**.

• Order must have **txnType = EMERGENCY** and status **NEW** or **SUBMITTED**.

**Expected Result:**

• Emergency order is **created and appears in the warehouse system**.

5. Receive Store Order

**Test:** Ensure Warehouse Managers can receive orders and adjust quantities.

**Steps:**

1. Log in as a **Warehouse Manager**.

2. View store orders with **txnStatus = SUBMITTED**.

3. Click “Receive” on an order.

4. Modify item quantities (if needed).

5. Click “Send to Fulfillment.”

**Acceptance Criteria:**

• Warehouse Manager should **see all open orders**.

• Clicking “Receive” updates the status to **RECEIVED**.

• **If stock is insufficient**, backorder is **automatically created**.

• After adjustments, the order moves to **ASSEMBLING**.

**Expected Result:**

• Order moves from **SUBMITTED → RECEIVED → ASSEMBLING**.

6. Fulfill Store Order

**Test:** Ensure Warehouse Workers can **manually confirm** order fulfillment.

**Steps:**

1. Log in as a **Warehouse Worker**.

2. Select an **Assembling** order.

3. Check off each picked item.

4. Click **Mark as Fulfilled**.

5. Confirm that status updates to **ASSEMBLED**.

**Acceptance Criteria:**

• Warehouse staff must manually **check off items**.

• Order status updates to **ASSEMBLED** when all items are marked complete.

**Expected Result:**

• Order moves from **ASSEMBLING → ASSEMBLED**.

7. Add Item to Backorder

**Test:** Ensure items can be added to backorder **automatically and manually**.

**Steps:**

1. Attempt to **receive an order with insufficient stock**.

2. Verify that a **backorder is created** automatically.

3. Manually add an item to an existing backorder.

**Acceptance Criteria:**

• If no backorder exists, **create one**.

• If backorder exists, **add items instead of creating new backorders**.

• Default **shipDate = next scheduled delivery day**.

• txnType = **BACKORDER**, txnStatus = **NEW**.

**Expected Result:**

• Backorders are **created and updated correctly**.

8. View Store Order

**Test:** Ensure users can **view store orders** based on filters.

**Steps:**

1. Log in as **Store Manager**.

2. View orders for their **own store**.

3. Log in as **Warehouse Manager**.

4. View orders for **all stores**.

5. Apply filters to **view only OPEN or CLOSED orders**.

**Acceptance Criteria:**

• Default shows **open orders**.

• Store Managers see **only their store’s orders**.

• Warehouse Managers see **all store orders**.

**Expected Result:**

• Orders are **visible and correctly filtered**.

9. View Site

**Test:** Ensure users can view **all company sites**.

**Steps:**

1. Log in as **any Bullseye employee**.

2. Navigate to the **View Sites** page.

3. Verify that all sites (stores, warehouses, offices) are listed.

**Acceptance Criteria:**

• All users **can view all sites**.

• Data is **read-only**.

**Expected Result:**

• Users can **see all sites** but **not modify them**.

10. Add Site

**Test:** Ensure **Admins** can add new store locations.

**Steps:**

1. Log in as an **Admin**.

2. Navigate to **Add Site**.

3. Fill in the required details and submit.

4. Verify the new site appears in the list.

**Acceptance Criteria:**

• Admins can **add new sites**.

• **New sites default to active** (active = 1).

**Expected Result:**

• New sites **are added successfully**.

11. Edit Site

**Test:** Ensure **Admins** can modify site information.

**Steps:**

1. Log in as an **Admin**.

2. Select an existing site.

3. Modify the details.

4. Save and confirm the changes.

**Acceptance Criteria:**

• **Only Admins** can modify site data.

**Expected Result:**

• Site details **update correctly**.

12. Edit Inventory

**Test:** Ensure Store and Warehouse Managers can **modify reorder thresholds**.

**Steps:**

1. Log in as a **Store Manager**.

2. Modify **reorderThreshold** for an item at their store.

3. Log in as **Warehouse Manager**.

4. Modify **reorderThreshold** for warehouse stock.

**Acceptance Criteria:**

• Store Managers can modify **only their store’s inventory**.

• Warehouse Managers can modify **warehouse inventory**.

**Expected Result:**

• Inventory thresholds **update correctly**.