**Use Case: Inventory Management**

**Actor:** Supplier

**Use Case Description:** This use case outlines the process for a supplier to manage inventory within the supplier portal.

**Trigger Point:** The supplier accesses the inventory management section within the supplier portal.

**Pre-Conditions:**

1. The supplier is logged into the supplier portal with valid credentials.

2. The supplier has access permissions to manage inventory.

3. The inventory management interface and components are properly implemented and accessible.

**Post-Conditions:**

1. The supplier successfully manages inventory items according to the selected filters and categories.

2. Any changes made to the inventory, such as adding new items or updating existing items, are reflected in the system.

3. The supplier can navigate away from the inventory management section without any issues.

**Normal Flow:**

1. The supplier logs into the supplier portal and navigates to the inventory management section.

2. The system presents the inventory management interface, consisting of the following components:

* Item List: Displays a list of inventory items with details such as item name, category, supplier, stock level, price, reorder level, and available actions.
* Filter By Panel: Provides options to filter items based on their stock status (e.g., all items, in stock, low stock, out of stock, discontinued).
* All Categories: Allows the supplier to filter items by various categories such as office supplies, electronics, furniture, etc.
* Add Button: Located at the top right corner, allows the supplier to add new inventory items.

3. The supplier reviews the inventory items displayed in the item list and applies relevant filters or category selections to narrow down the displayed items.

4. If the supplier wants to add a new inventory item:

* The supplier clicks on the "Add" button.
* The system opens a form for adding a new inventory item.
* The supplier fills in the required details such as item name, category, supplier.
* After entering the details, the supplier submits the form to add the new item to the inventory.

5. The supplier performs any necessary actions on the existing inventory items, such as updating stock levels, adjusting prices, or marking items as discontinued.

6. Once the inventory management tasks are completed, the supplier can proceed with other activities within the supplier portal or log out.

**Alternative Flow:**

1. If the supplier encounters any technical issues while managing inventory:

* The supplier reports the issue to technical support for resolution.
* The system administrator investigates and resolves the issue to ensure smooth functionality of the inventory management section.

2. If the supplier's session expires or they choose to navigate away from the inventory management section without saving changes:

* The system prompts the supplier to confirm their action and warns about potential loss of unsaved changes.
* The supplier confirms their action and navigates away from the inventory management section.
* Any unsaved changes are discarded, and the system returns to the previous state.