**UC2.2: Manage Products**

**Scope:** Stock Management System (SMS)  
**Level:** User Goal  
**Primary Actor:** Stock Manager

**Stakeholders and interests:**

Stock Manager: Wants to manage products

**Pre-conditions:** The stock manager is authenticated with privileges to manage products.

**Post-conditions:** One or more products are displayed/created/updated/deleted.

**Main Success Scenario**:

1. Stock manager wants to manage products..
2. System displays the product list.
3. Stock manager selects a product.
4. System displays the details of the selected product.

Step 3 and 4 are repeated until the stock manager indicates it is done.

**Extensions**:

3a. The stock manager wants to create a product.

1. Stock manager wants to create a new product.
2. The SMS displays the attributes of the product.
3. Stock manager initializes the attributes of the new product.
4. Stock manager requests to save the new product.

4a. Existing identifier.

1. The SMS displays the warning message.
2. Use case continues at the third step of 3a.

4b. The stock manager wants to cancel the product creation.

1. The SMS closes the creation form and displays the product list.
2. The SMS stores the new product.

3b. The stock manager wants to delete a product.

1. The stock manager selects a product and requests to delete it.
2. The SMS displays the confirmation message.
3. The stock manager confirms the deletion of the product.

3a. The stock manager declines the deletion of the product.

1. The SMS keeps the product.
2. Use case continues at the third step of the main scenario.
3. The SMS deletes the product.

3c. The stock manager wants to update a product.

1. The stock manager selects a product and requests to update it.
2. The SMS displays the attributes of the product with their initialized values.
3. The stock manager enters the new values of the attributes.
4. The stock manager wants to update the product.

4a. The stock manager wants to cancel the product update.

1. The SMS closes the update form and displays the product list.

4b. Existing identifier

1. The SMS displays the warning message.
2. Use case continues at the third step of 3c.
3. The SMS stores the product with new values.

**Frequency of Occurrence**: Whenever there is an update on products.

**Open Issues:**

- Is confirmation of cancellation of product update/creation needed?  
- What customization is needed for different businesses?

**UC2.3: Manage Inventory Bindings**

**Scope:** Stock Management System (SMS)  
**Level:** User Goal  
**Primary Actor:** Stock Manager

**Stakeholders and interests:**

Stock Manager: Wants to manage inventory bindings.

**Pre-conditions:** The stock manager is authenticated with privileges to manage products.

**Post-conditions:** One or more inventory bindings are displayed/added/updated/removed.

**Main Success Scenario**:

1. Stock manager wants to manage products.
2. System displays the product list.
3. Stock manager selects a product.
4. System displays the details of the selected product.
5. Stock manager wants to display the Bill of Material(BOM) of the product.
6. System displays the details of the BOM (inventory bindings) of the product.

Step 3 to 6 are repeated until the stock manager indicates it is done.

**Extensions**:

5a. The stock manager wants to add an inventory binding.

1. Stock manager wants to add a new inventory binding.
2. The SMS displays the attributes of the inventory binding.
3. Stock manager initializes the attributes of the new inventory binding.
4. Stock manager requests to save the new inventory binding.

4a. Same inventory item is bonded.

1. The SMS displays the warning message.
2. Use case continues at the third step of 5a.
3. The SMS stores the new inventory binding as a sub-material of the product (as a part of the BOM).

5b. The stock manager wants to remove an inventory binding.

1. The stock manager selects an inventory binding and requests to remove it.
2. The SMS displays the confirmation message.
3. The stock manager confirms the removal of the inventory binding.

3a. The stock manager declines the removal of the inventory binding.

1. The SMS keeps the inventory binding.
2. The SMS removes the inventory binding.

5c. The stock manager wants to update an inventory binding.

1. The stock manager selects an inventory binding and requests to update it.
2. The SMS displays the attributes of the inventory binding with their initialized values.
3. The stock manager enters the new values of the attributes.
4. The stock manager wants to update the inventory binding.

4a. Same inventory item is bonded.

1. The SMS displays the warning message.
2. Use case continues at the third step of 5c.

4b. The stock manager wants to cancel the inventory binding update.

1. The SMS closes the update form and displays the product details.
2. The SMS stores the inventory binding with new values.

**Frequency of Occurrence**: Whenever there is an update on inventory bindings.

**Open Issues:**   
- What customization is needed for different businesses?