# Casual Use Case Specification:UC002

**Brief Description: This use case enables the inventory manager to promote a particular item to be on sale in the store**

# Section 1: Business Rule(s):

BR 02: An item's product-code must be in the format '#AAA-111-BBB'

BR 03: An item must have a name and start with a letter from 'A to Z'

BR 05: An item's product level must have a numeric amount and cannot be lower than '0'

BR 09: An item's product level must be below 10% of its total product level to be eligible for restocking

BR 10: An item's current product level in the warehouse cannot be greater than 100% of its total product level

BR 13: An inventory manager must have a first name and start with a letter from 'A to Z'

BR 14: An inventory manager must have a last name and start with a letter from 'A to Z'

BR 15: An inventory manager must have a manager ID in the format 'AAA-111'

BR 16: An inventory manager must have a password in the format 'AAA111'

BR 17: An inventory manager must have a valid employee email address and must end with '@companyname.com'

BR 27: A Sales manager must have a first name and start with a letter from 'A to Z'

BR 28: A Sales manager must have a last name and start with a letter from ‘A to Z’

BR 29: A Sales manager must have a manager ID in the format ‘AAA-111’

BR 30: A Sales manager must have a password in the format ‘AAA111’

BR 31: A Sales manager must have a valid employee email address and must end with ‘@companyname.com’

# Section 2: Scenarios (HD):

**Scenario 1: Promote a particular product without errors**

# Preconditions: The inventory manager accesses the warehouse computerized system using employee ID and password. The system displays the Welcome main menu at the beginning.

| **Step#** | **Actor (Inventory Manager)** | **System** | **Data Used** |
| --- | --- | --- | --- |
| 1 | Selects the 'Promote Product’  Enters the item code | Displays the “Please input an Item code”  Prompts to input an item code  Displays the item validation screen |  |
| 2 | Selects 'continue' | Validates the item data  Item code is entered  Data is valid  Prompts to continue to the current item status page  Displays the current item information screen | Item’s  Item code |
| 3 | Select ‘Continue’ | Displays the current item information in the warehouse  System validates the current Item quantity in the warehouse  Data is valid  Prompts to continue to the Item Promotion Request Page, or ‘Return’ to the Main page  Displays the Item Promotion Request page | Item’s  Item code  Item quantity  Item price  Item’s total price  Item Supplier’s  Item code  Item quantity  Item price  Item total price |
| 4 | Selects ‘Yes’ | Displays the item info  Displays the Sales Manager’s info  Prompts to ‘Yes’ or ‘No’ to confirm: “Send Item Promotion notification to the following manager?”  Displays the item promotion confirmation page | Item’s  Item code  Item quantity  Item price  Item’s total price  Item Supplier’s  Item code  Item quantity  Item price  Item total price  Sales Manager’s  First name  Last name  Manager ID  Manager email |
| 5 | Selects 'continue  Selects ‘No’' | Displays ‘Success, notification sent’  Displays completed item request information    Prompts to add another promotion request:  ‘Yes’ or ‘No’  Displays the main menu page | Item’s  Item code  Item quantity  Item price  Item’s total price  Item Supplier’s  Item code  Item quantity  Item price  Item total price  Sales Manager’s  First name  Last name  Manager ID  Manager email |

**Successful Post-Conditions: The item promotion notification is sent to the Sales’ Manager’s email**

**Scenario 2: Promote a particular product with errors**

# Preconditions: The inventory manager accesses the warehouse computerized system using employee ID and password. The system displays the Welcome main menu at the beginning.

| **Step#** | **Actor (Inventory Manager)** | **System** | **Data Used** |
| --- | --- | --- | --- |
| 1 | Selects the 'Promote Product’  Enters the wrong item code | Displays the “Please input an Item code”  Prompts to input an item code  Displays the item validation screen |  |
| 2 | Re-enters the correct item code  Selects ‘continue’ | Validates the item data  Item code is entered  Data is not valid  Prompts to ‘Back’ to re-enter the item code in the previous page or ‘Return’ to the main page  Validates the re-entered item data  Item code is entered  Data is valid  Prompts to continue to the current item status screen  Displays the current item information screen | Item’s  Item code  Item’s  Item code |
| 3 | Selects ‘Back’  Re-enters the item code  Selects ‘Continue’ | Displays the current item information in the warehouse  System validates the current Item quantity in the warehouse  Item quantity does not exist (none)  Data is not valid  Displays message “The selected item is currently out of stock in the warehouse”  Prompts to ‘Back’ to re-enter the Item code in the previous page, or ‘to Main Menu’ to return to the main page  System validates the current Item quantity in the warehouse  Item quantity is valid (exists)  Data is valid  Prompts to continue to the Item Promotion Request page, or ‘Return’ to the Main page  Displays the Item Promotion Request page | Item’s  Item code  Item quantity  Item price  Item’s total price  Item Supplier’s  Item code  Item quantity  Item price  Item total price  Item’s  Item code  Item quantity  Item price  Item’s total price  Item Supplier’s  Item code  Item quantity  Item price  Item total price |
| 4 | Selects ‘No’ | Displays the item info  Displays the Sales Manager’s info  Prompts to ‘Yes’ or ‘No’ to confirm: “Send Item Promotion notification to the following manager?”  Displays Item Promotion Request Failed page | Item’s  Item code  Item quantity  Item price  Item’s total price  Item Supplier’s  Item code  Item quantity  Item price  Item total price  Sales Manager’s  First name  Last name  Manager ID  Manager email |
| 5 | Selects 'continue | Displays message ‘Item Promotion Request Failed’  Prompts to the Main menu page: ‘Continue’    Displays the main menu page |  |

**Successful Post-Conditions: The item promotion notification is not sent to the Sales’ Manager’s email**