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Group Name: SICT	Date: July 20th, 2018
Prepared by: JuAn Kim	Functional Area: Inventory Management

## Casual Use Case Specification: UC002

**Brief Description:** This use case enables the inventory manager to send a request (to Sales 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	

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Step#	Actor (Inventory Manager)	System	Data Used
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

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Step#	Actor (Inventory Manager)	System	Data Used
4		Displays the item info	Item's Item code Item quantity Item price Item's total price Item Supplier's Item code Item quantity Item price Item total price
		Displays the Sales Manager's info	Sales Manager's First name Last name Manager ID Manager email
	Selects 'Yes'	Prompts to 'Yes' or 'No' to confirm: "Send Item Promotion notification to the following manager?"	
		Displays the item promotion confirmation page	

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Step#	Actor (Inventory Manager)	System	Data Used
5	Selects 'continue'	Displays 'Success, notification sent'	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
		Displays completed item request information	
	Selects 'No'	Prompts to add another promotion request: 'Yes' or 'No'  Displays the main menu page	

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

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## 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	<p>Selects the 'Promote Product'</p> <p>Enters the wrong item code</p>	<p>Displays the "Please input an Item code"</p> <p>Prompts to input an item code</p> <p>Displays the item validation screen</p>	
2	<p>Re-enters the correct item code</p> <p>Selects 'continue'</p>	<p>Validates the item data</p> <p>Item code is entered</p> <p>Data is not valid</p> <p>Prompts to 'Back' to re-enter the item code in the previous page or 'Return' to the main page</p> <p>Validates the re-entered item data</p> <p>Item code is entered</p> <p>Data is valid</p> <p>Prompts to continue to the current item status screen</p> <p>Displays the current item information screen</p>	<p>Item's Item code</p> <p>Item's Item code</p>

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Step#	Actor (Inventory Manager)	System	Data Used
3		Displays the current item information in the warehouse	Item's Item code Item quantity Item price Item's total price Item Supplier's Item code Item quantity Item price Item total price
		System validates the current Item quantity in the warehouse Item quantity does not exist (none) Data is not valid	
	Selects 'Back'	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	
	Re-enters the item code	System validates the current Item quantity in the warehouse Item quantity is valid (exists) Data is valid	Item's Item code Item quantity Item price Item's total price Item Supplier's Item code Item quantity Item price Item total price
	Selects 'Continue'	Prompts to continue to the Item Promotion Request page, or 'Return' to the Main page  Displays the Item Promotion Request page	

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Step#	Actor (Inventory Manager)	System	Data Used
4		Displays the item info	Item's Item code Item quantity Item price Item's total price Item Supplier's Item code Item quantity Item price Item total price
		Displays the Sales Manager's info	Sales Manager's First name Last name Manager ID Manager email
	Selects 'No'	Prompts to 'Yes' or 'No' to confirm: "Send Item Promotion notification to the following manager?"  Displays Item Promotion Request Failed page	
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**