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Group Name: SICT	Date: July 30th, 2018
Prepared by: JuAn Kim	Functional Area: Inventory Management

Casual Use Case Specification: UC001

Brief Description: This use case enables an inventory manager to request an additional order of a particular product from the suppliers if its inventory level is low in the warehouse (<10%)

Section 1: Business Rule(s):

- BR 01: An item must be ordered from the current contracted supplier
- 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 04: An item must have an item-category and it must 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 06: An item's product level must have a numeric value for its price per quantity
- BR 07: An item's price must be in a numeric value in two decimal places
- BR 08: An item's total price must be in a numeric value in two decimal places
- 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 11: An item cannot be ordered more than 100% of its total product level
- BR 12: An item cannot be ordered without the inventory manager's final approval
- 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 18: A supplier must have a name and start with a letter from 'A to Z'
- BR 19: A supplier must have a valid address information and must be in the format: (Street #) (Street name) (Street code)
- BR 20: A supplier must have a valid phone number in the format: '(111)222-3333'
- BR 21: A supplier manager must have a first and start with a letter from 'A to Z'
- BR 22: A supplier manager must have a last name and start with a letter from 'A to Z'
- BR 23: A supplier manager must have a manager ID in the format 'AAA-111'
- BR 24: A supplier manager must have a valid employee email address and must end with '@abcsupplier.com'
- BR 25: A supplier manager must have a phone number in the format: '(111)222-3333'
- BR 26: An item order confirmation number must be in the format: '#AAA-111-BBB'

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Step#	Actor (Inventory Manager)	System	Data Used
6	Selects 'No'	<p>Displays message "Order Request Complete"</p> <p>Displays message "Would like to request another item order"</p> <p>Prompts to 'Register' for another item order or "No" to return to main menus</p> <p>Displays the main menu page</p>	

Successful Post-Conditions: The Inventory order is confirmed and requested to the supplier. The system waits on the supplier's successful confirmation before shipping

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Step#	Actor (Inventory Manager)	System	Data Used
4	<p>Enters the wanted item quantity</p> <p>Selects 'Reset'</p> <p>Re-enters the wanted item quantity</p> <p>Selects 'continue'</p>	<p>Validates the data</p> <p>Desired item quantity entered and is not correct</p> <p>Data is not valid</p> <p>Prompts to reset the entered amount or return to the main page</p> <p>Validates the data</p> <p>Desired item quantity entered and is correct</p> <p>Data is valid</p> <p>Prompts to reset the entered amount or continue to the final order confirmation process</p> <p>Displays the final order confirmation screen</p>	<p>Item's</p> <p>Item code</p> <p>Item quantity</p> <p>Item Price</p>
5	<p>Selects 'cancel'</p>	<p>Calculates the entered data and the data is validated</p> <p>The total item price in a numeric value</p> <p>Data is valid</p> <p>Prompts to 'confirm' or 'cancel' the item order</p> <p>Displays the 'Order Request Failed' page</p>	<p>Item's</p> <p>Item code</p> <p>Item quantity</p> <p>Item price</p> <p>Item's total price</p> <p>Item Supplier's</p> <p>Item code</p> <p>Item quantity</p> <p>Item price</p> <p>Item total price</p>

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Step#	Actor (Inventory Manager)	System	Data Used
6	Selects 'continue'	<p>Displays message "Order Request Failed"</p> <p>Prompts 'continue' to return to the main page</p> <p>Displays main menu</p>	

Successful Post-Conditions:

The Inventory purchase order is canceled and the request is not sent to the supplier.