

IS523 - Assignment #4

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24 Dec 2019

Use Cases in Fully Dressed Format

UC	Manage Product Orders
Scope	Inventory Management System
Level	User Goal
Primary Actor	Store Manager
Pre-Conditions	The Store Manager is authenticated with privileges to manage product orders.
Post-Conditions	One or more product orders are created/retrieved/updated/deleted.

Main Success Scenario:

1. Store Manager wants to send purchase orders for under-stocked products.
 2. System displays the list of under-stocked products together with the current stock level and the previously defined minimum/maximum stock levels for each product.
 3. Store Manager chooses a product.
 4. System displays the average quantity of product sold per day/week
 5. Store Manager specifies the quantity to be ordered.
 6. System creates the purchase order and sends it to the Supplier.
- // Steps 3-6 are repeated as long as Store Manager is satisfied.

Extensions:

*a. At any time, System fails:

1. To support recovery and correct accounting, the system logs vital events in order to be able to be recover taken actions.
2. The Store Manager restarts the System. Identifies himself/herself, requests recovery.
3. The system detects prior failure, reconstructs state, and prompts to continue
 - 3a. The system detects anomalies preventing recovery:

1. The system presents an error to Store Manager, records the error and enters a clean state.
 2. The Store Manager starts a new state.
 4. The Store Manager continues the operation from the recovered state.
- 2a. No product order exists in the catalog:
 1. The system presents a message to inform Store Manager that no product order exists in the product order catalog, provides options to create one or leave the system.
 2. The Store Manager chooses to create a new product order. This action directs to extensions step 2b
- 2b. Store Manager wants to create a new product order(s):
 1. The system presents input fields that are necessary for a product order to be added in the product order catalog
 2. Store Manager enters an input to a related field
 3. System validates the field
 - 3a. If the input is not valid, the System indicates the invalid input with a message and does not allow submit action until it is fixed.
 - // Steps 2-3 repeats until all fields are filled.
 4. The Store Manager submits the product order.
 5. The system registers the product order on the product order catalog.
- 2c. Store Manager wants to delete an existing product order(s):
 1. Store Manager selects one or more items that are going to be deleted from the product order catalog and selects the delete option.
 2. The system presents a warning message that including product order names to informs Store Manager about the delete action going to be taken. And expects confirmation.
 3. The Store Manager confirms delete action.
 4. The system deletes confirmed product orders from the product order catalog.
- 4a. Store Manager decides to update the parameter(s):
 1. The Store Manager changes the parameters of the product order.
 2. The system indicates changed parameters with the old values, validates the input.
 - 2a. If the input is not valid, the System indicates the invalid input with a message and does not allow to submit action until it is fixed.
 - // Steps 1-2 repeats until the Store Manager is satisfied with updates.

3. The Store Manager confirms the changes.

3a. Store Manager decides to discontinue on changes:

1. The Store Manager selects return values on indicated parameters.

2. The system reverts the parameter values.

// Steps 1-2 repeats until Store Manager is satisfied.

4. System updates the parameters with new values and creates an update log including time and user.

4a. Store manager decides to revert changes:

1. The Store manager selects revert.

2. The System presents a warning message to inform user about the delete action. And expect confirmation.

3. The Store Manager confirms the revert action.

4. The system reverts updated parameters to previous values.

5. The Store Manager selects to return.

6. System presents product orders catalog.

6a. Supplier accepts purchase orders via web service

1. System places the purchase order by calling appropriate web method.

2. Supplier's web service returns approval.

3. System displays approval message.