
CISC 592 Theory of Computation
Use Cases- Inventory Management System

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Version 1.0

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Revision History

Name	Date	Reason For Changes	Version
Rishabh Agarwal	03/12/2020	Initial Changes (page 1- page 3)	v1.0

Use Case Template

Use Case ID:	ID (type UUID) – unique for each item		
Use Case Name:	Happy Path Workflow (ADD)– Regular Workflow		
Created By:	Rishabh Agarwal	Last Updated By:	
Date Created:	03/12/2020	Date Last Updated:	

Actors:	
Description:	This is the normal workflow.
Trigger:	When user click add button
Preconditions:	The item they are entering is not null
Post conditions:	Item is added to database or Qty is updated
Normal Flow:	When user try to enter a new item into inventory the it should be added
Alternative Flows:	If the item already exists in the database increase the quantity of the item
Exception Flows:	If user try to enter new item with 0 QTY then throw exception
Priority:	Normal
Other Information:	
Assumptions:	Item which user is try to add is valid

Use Case Template

Use Case ID:	ID (type UUID) – unique for each item		
Use Case Name:	Happy Path Workflow (DELETE)– Regular Workflow		
Created By:	Rishabh Agarwal	Last Updated By:	
Date Created:	03/12/2020	Date Last Updated:	

Actors:	
Description:	This is the normal workflow.
Trigger:	When user click DELETE button OR SOLD button
Preconditions:	The item user is trying to delete exist in database
Post conditions:	Item is updated in the database or STATUS is changed
Normal Flow:	Item QTY is updated in the database
Alternative Flows:	Item is marked out of stock in database if QTY is 0
Exception Flows:	If user try to delete a item which is out of stock throw error
Priority:	Normal
Other Information:	
Assumptions:	Item exist in the database to delete

Use Case Template

Use Case ID:	ID (type UUID) – unique for each item		
Use Case Name:	If All inventory is marked for deletion – Unique Scenario		
Created By:	Rishabh Agarwal	Last Updated By:	
Date Created:	03/12/2020	Date Last Updated:	

Actors:	
Description:	If user try to delete / sold all item or large amount of item at a time then require admin password
Trigger:	DELETE / SOLD button
Preconditions:	Multiple item is available in the database
Post conditions:	Delete after throwing
Normal Flow:	Prompt user to enter admin password and then perform action
Alternative Flows:	Lock the account incrementally if wrong password entered
Exception Flows:	If account is locked more than 5 times, send a text message to admin phone with some action to take
Priority:	High
Other Information:	
Assumptions:	