

Warehouse Internal Management System

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Use Case 1	Login to System
Actors	User
Pre-Conditions	No user is logged in
Flow on Control	<ul style="list-style-type: none">● Fill out password field● Submit information<ul style="list-style-type: none">○ Validate input○ Display user options
Post-Conditions	The system now displays several options the user can interact with such as displaying invoices, adding new inventory, checking current inventory, etc.
Error-Condition	Input is invalid <ul style="list-style-type: none">● The password is incorrect

Use Case 2	Change Password
Actors	User
Pre-Conditions	No user is logged in
Flow on Control	<ul style="list-style-type: none">● User selects the “change password” option<ul style="list-style-type: none">○ User enters a new password○ User re-enters their password for confirmation● Submit information<ul style="list-style-type: none">○ Validate input
Post-Conditions	The user now has a new password that will be used to login
Error-Condition	Input is invalid <ul style="list-style-type: none">● The user’s passwords do not match● The user left the field empty

Use Case 3	Display All Items
Actors	User
Pre-Conditions	Password is entered correctly There is at least one item in a warehouse
Flow on Control	<ul style="list-style-type: none">• User selects the “Display all items” option<ul style="list-style-type: none">◦ All items are displayed in a list
Post-Conditions	Shows the user all products as well as their selling price, cost price, total quantity on hand, quantity sold, total sales, total cost, total profit and total profit percent in decreasing order of profit percent
Error-Condition	There are no items in any warehouse

Use Case 4	Show Products with ≤ 5 Quantity
Actors	User
Pre-Conditions	Password is entered correctly There is at least one item with ≤ 5 quantity in a warehouse
Flow on Control	<ul style="list-style-type: none">• User selects the “Show products with ≤ 5 Quantity” option<ul style="list-style-type: none">◦ All items are displayed in a list
Post-Conditions	Shows items that have 5 or fewer in the warehouse(s) sorted in increasing order based on quantity
Error-Condition	There are no items with ≤ 5 quantity in any warehouse

Use Case 5	Show Quantity for All Products
Actors	User
Pre-Conditions	Password is entered correctly There is at least one item in a warehouse
Flow on Control	User selects the “Show quantity for all products” option. <ul style="list-style-type: none">• All items are displayed in a list
Post-Conditions	Shows the user the quantity of each item by warehouse
Error-Condition	There are no items in any warehouse

Use Case 6	Show Open Invoices
Actors	User
Pre-Conditions	Password is entered correctly At least one customer has opened an invoice
Flow on Control	<ul style="list-style-type: none">• User selects the “Show open invoices” option<ul style="list-style-type: none">○ All items are displayed in a list
Post-Conditions	Displays open invoices in increasing order based on date
Error-Condition	There are no open invoices

Use Case 7	Show Closed Invoices
Actors	User
Pre-Conditions	Password is entered correctly At least one customer has closed an invoice
Flow on Control	<ul style="list-style-type: none">• User selects the “Show closed invoices” option<ul style="list-style-type: none">◦ All items are displayed in a list
Post-Conditions	Displays closed invoices in decreasing order based on amount paid
Error-Condition	There are no closed invoices

Use Case 8	Mark Customer as Inactive
Actors	User
Pre-Conditions	Password is entered correctly There is at least one open/closed invoice
Flow on Control	User selects the “Mark user inactive” option <ul style="list-style-type: none">• User selects a specific customer from a list• User submits
Post-Conditions	The customer is marked as inactive
Error-Condition	There are no invoices

Use Case 9	Set Delivery Fee
Actors	User
Pre-Conditions	Password is entered correctly Customer has confirmed the order Customer has set the delivery method to shipping
Flow on Control	<ul style="list-style-type: none">• User selects the order<ul style="list-style-type: none">◦ Displays the shipping information• User enters delivery fee and submits<ul style="list-style-type: none">◦ System asks for confirmation• User confirms the delivery fee
Post-Conditions	Delivery fee for the order updated.
Error-Condition	No active invoices exist

Use Case 10	Check Payment History
Actors	User
Pre-Conditions	Password is entered correctly New customer's information is present
Flow on Control	<ul style="list-style-type: none">• User selects the "Payment History" option<ul style="list-style-type: none">◦ System displays all of the payment history• The user selects the specific invoice<ul style="list-style-type: none">◦ The system displays all information about that invoice.
Post-Conditions	Payment history are displayed for that order
Error-Condition	The store just opened, and there are no active customer and invoice

Use Case 11	Mark Product Shipped
Actors	User
Pre-Conditions	Password is entered correctly Customer has confirmed the order Customer has set the delivery method to shipping
Flow on Control	<ul style="list-style-type: none">• User selects the box• User submits
Post-Conditions	The box gets filled Quantities in warehouses deducted by one
Error-Condition	Product is out of stock

Use Case 12	Pay Commission
Actors	User
Pre-Conditions	Password is entered correctly The salesperson has sold at least one product to customers
Flow on Control	<ul style="list-style-type: none">• User selects the “Pay Commission” option<ul style="list-style-type: none">○ User searches for a salesperson in the search bar○ The system prompts the user to select a salesperson• User check on what the salespersons sold previously<ul style="list-style-type: none">○ The system retrieves data and calculates their commission depend on their commission percentage• User confirms
Post-Conditions	Commission is paid to the salesperson
Error-Condition	The store just opened and there are no active salespeople working.

Use Case 13	Show Salesperson Performance
Actors	User
Pre-Conditions	Password is entered correctly There are at least one salesperson working in the store
Flow on Control	<ul style="list-style-type: none">• User selects the “Salesperson Performance” option<ul style="list-style-type: none">○ System shows total sales made by all salespersons○ System shows commissions earned by each salesperson
Post-Conditions	All salesperson performances are shown
Error-Condition	None

Use Case 14	Set Commission Rates
Actors	User
Pre-Conditions	Password is entered correctly There are at least one salesperson working in the store
Flow on Control	<ul style="list-style-type: none">• User selects the “Salesperson Information” button<ul style="list-style-type: none">○ System listed all salesperson• User chooses an individual salesperson<ul style="list-style-type: none">○ System shows information about the salesperson• User set commission rates for the salesperson<ul style="list-style-type: none">○ System asks for confirmation• User confirms new changes
Post-Conditions	New commission rates have been applied to the salesperson
Error-Condition	The store just opened and there are no active salespeople working

Use Case 15	Open New Invoice
Actors	User
Pre-Conditions	Password is entered correctly The customer is new or has paid off their previous invoices
Flow on Control	<ul style="list-style-type: none">• User selects the “Open New Invoice” option<ul style="list-style-type: none">◦ System asks for user to enter order information• User fills out the necessary information and submits<ul style="list-style-type: none">◦ System asks for confirmation• User confirms new invoice
Post-Conditions	New invoice has been created for the customer.
Error-Condition	Customer has an unpaid invoice.

Use Case 16	Add Salesperson
Actors	User
Pre-Conditions	Password is entered correctly
Flow on Control	<ul style="list-style-type: none">• User selects the “Add Salesperson” option<ul style="list-style-type: none">◦ System asks user to fill out information on the new salesperson• User enters information and submits<ul style="list-style-type: none">◦ System asks for confirmation• User confirms
Post-Conditions	New salesperson added to salesperson list
Error-Condition	None

Use Case 17	Add New Model
Actors	User
Pre-Conditions	Password is entered correctly
Flow on Control	<ul style="list-style-type: none">● User selects the “Add New Models” option<ul style="list-style-type: none">○ System asks for product information as well as which warehouse to store it in● User fills out the information needed and submits<ul style="list-style-type: none">○ System asks for confirmation● User confirms
Post-Conditions	New models are added to the system.
Error-Condition	There is already an existing product which is the same as the product the user wants to add (same product name). All the warehouses are currently full on stock

Use Case 18	Add New Warehouse
Actors	User
Pre-Conditions	Password is entered correctly
Flow on Control	<ul style="list-style-type: none">● User selects the “Add New Warehouse” option<ul style="list-style-type: none">○ System asks for the new warehouse’s basic information and scale● User enters information and submits<ul style="list-style-type: none">○ System asks for confirmation● User confirms
Post-Conditions	A new and empty warehouse is created in the database
Error-Condition	None

Use Case 19	Replenish Stock
Actors	User
Pre-Conditions	Password is entered correctly
Flow on Control	<ul style="list-style-type: none">• User selects the “Show products with ≤ 5 Quantity” option<ul style="list-style-type: none">◦ System displays all the products which need to be replenished in increasing order• User clicks on a certain item that needs to be replenished• User selects the warehouse<ul style="list-style-type: none">◦ System asks for the amount to replenish• User enters the replenishment amount
Post-Conditions	Quantity on products updated Selected products are replenished
Error-Condition	All the warehouses are full