

Use Case Description: Warehouse Administrator

Use Case Name	Warehouse Administrator Functions
Actors	Warehouse Administrator
Goal	To manage shipping rates, view and search orders, and configure weight brackets to ensure efficient order handling and shipping processes.
Stakeholders and Interests	<ul style="list-style-type: none">• Warehouse Administrator: Wants efficient tools for order viewing, configuration, and shipment handling.• Customer: Expects accurate and timely shipment updates.• Company Management: Requires up-to-date shipping charges and inventory accuracy.
Preconditions	<ul style="list-style-type: none">• The administrator is logged into the system with valid credentials.• Orders and products exist in the database.• The system is connected to the legacy product and credit card databases.
Postconditions	<ul style="list-style-type: none">• Shipping and handling charges are saved and updated.• Orders can be viewed and filtered accurately.• Weight brackets are properly configured and applied to all future transactions.

Main Flow / Basic Path

Step	Action
1	Administrator logs into the system.
2	Selects an administrative option such as Handle Shipping & Charges, View All Orders, Set Weight Brackets, or Search Orders.
3	The system displays the corresponding interface.
4	Administrator performs the desired task (sets charges, edits brackets, views or searches orders).
5	System validates input and applies changes.
6	Confirmation or results are displayed.
7	Updated information is saved and reflected in the database.

Alternative Flows

Alternative Flow	Description
A1: Invalid Input	If an invalid charge, weight, or date range is entered, the system prompts the administrator to correct the data.
A2: Database Connection Error	If the system cannot access the product or order database, an error message appears and the process pauses until reconnection.

A3: Unauthorized Access	If a user without admin rights attempts to access the interface, access is denied with a security alert.
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Use Case Scenarios

Use Case	Description
Handle Shipping & Charges	Administrator configures and updates shipping costs based on total order weight.
View All Orders	Administrator reviews all customer orders, including their status (authorized, shipped, or pending).
Set Weight Brackets	Administrator defines and edits weight ranges used to calculate shipping costs.
Search Orders	Administrator filters and retrieves orders based on date range, order status, or price range.

Frequency of Use

- Daily: View all orders and handle shipping/charges.
- Weekly or Monthly: Update weight brackets or pricing structures.

Exceptions

- System crash or data inconsistency during update.
- Internet or database service interruption.
- Attempt to save duplicate or overlapping weight brackets.