**Group 6**

**Ware House Use cases**

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### Adding a Client

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| --- | --- |
| Action Performed by the actor | Response from the system |
| 1. Warehouse admin request the system to enter a new client to the system |  |
|  | 2. System ask the warehouse admin for data (name, address, phone number, and email address) for the new client |
| 3. Warehouse admin enters the data(name, address, phone number, and email address) to the system |  |
|  | 4. System reads the data and if requirements are met, the system will generate a unique client ID for new client. System will prompt if warehouse admin wants to add another client. |
| 5. Warehouse admin supplies the answer |  |
|  | 6. If affirmative, proceed to step 2. If negative, system display report of client added to the system |
| 7. Warehouse admin notify the client that their account has been created to the system. |  |

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### Adding multiple products

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| --- | --- |
| Action performed by the actor | Response from the system |
| 1. The warehouse requests a new product to be added to the system. |  |
| 2. The admin will issue a request to the system to add the new product |  |
|  | 3. The system asks for the required information of the product such as product name, ID, its price and manufacturer ID |
| 4. The admin inputs the requested product information . |  |
|  | 5. The system records the product information and checks to ensure the manufacturer is in the system. If it is, go to step 8, if not asks admin if manufacturer name is in the list or incorrect. |
| 6. The admin responds with either yes/no |  |
|  | 7. If yes, go to step 3. Otherwise exit the program. |
|  | 8. The system then assigns the product to the manufacturer and asks if more product will be added. |
| 9. The admin enters yes for a new product to add. Or no to exit. |  |
|  | 10. If the new product is requested, move to step 3, else exit the system. |

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### Adding Manufacturer

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| Action performed by the actor | Response from the system |
| 1. The warehouse requests a manufacturer to be added to the system. |  |
| 2. The admin issues a request to the system to add the new manufacturer |  |
|  | 3. The system asks manufacturer information such as name, address, phone etc. |
| 4. The admin enters the manufacturer information as per the request. |  |
|  | 5. The system reads in the manufacturer information and generates the manufacturer ID and issue the ID to admin. |
| 6. The admin issues the generated manufacturer ID to the new manufacturer and add the name to the list . |  |

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### View Inventory

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| --- | --- |
| Action Performed by the Actor | Response from the System |
| 1. Admin makes a request to view the current inventory. |  |
|  | 2. System displays a list of the entire stock of items. Each item entry would have the Item’s name, sale price, and quantity. If the item has any wait-listed orders then the system will display the list of those. |
|  | 3. System asks the admin if they would like to make modifications to any of the entries (Product Name, Price, Quantity). |
| 4. Admin responds yes or no. |  |
|  | 5. If no, end process. If yes, ask for the product ID. |
| 6. Admin responds with the product ID. |  |
|  | 7. System attempts to locate the product. If successful, ask for the new data (Product Name, Price, Quantity). If unsuccessful, go back to step 5. |
| 8. Admin responds with the new data (Product Name, Price, Quantity). |  |
|  | 9. System updates the product’s entry. |
|  | 10. System asks if the admin would like to modify any other entries. |
| 11. Admin responds yes or no. |  |
|  | 12. If no, end process. If yes, go back to step 5. |

### Establishing Suppliers and Product

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| --- | --- |
| Action Performed by the Actor | Response from the System |
| 1. Admin makes a request to establish a relationship a between product and a supplier. This will add the supplier to the product’s list of suppliers. |  |
|  | 2.System asks for the product ID. |
| 3. Admin responds with the product ID. |  |
|  | 4. System attempts to locate the product. If successful, ask for the manufacturer ID. If not, go back to step 2. |
| 5. Admin responds with the manufacturer ID. |  |
|  | 6. System attempts to locate the manufacturer. If successful, add manufacturer to the list of the product’s supplier. If not, go back to step 4. |
|  | 7. System asks if the admin would like to repeat this process for another product. |
| 8. Admin enters either yes or no. |  |
|  | 9. If yes, go back to step 2. If no, end process. |

### Accept Customer’s Order

|  |  |
| --- | --- |
| Action performed by the actor | Response from the system |
| 1. Customer requests to order products from warehouse/client. |  |
| 2. Admin issues a request to the system to place an order |  |
|  | 3. The system asks for customer ID |
| 4. The admin enters the customer ID |  |
|  | 5. If the customer ID is valid, generate an order ID and go to step 6. Otherwise notify admin that customer ID is not valid and go to step 3. |
|  | 6. The system asks the admin to enter the product ID and its quantity. |
| 7. The admin enters the product ID and quantity on an order as requested for each product. |  |
|  | 8. If the product ID is valid, system adds the product to an order and go to step 9. Otherwise notify clerk that product does not exist and go to step 6. |
|  | 9. The system asks if there are more products to be added. |
| 10. The admin enters either yes or no. |  |
|  | 11. If yes go to step 6, else go to step 12 |
| 12. The admin notifies customer that the order has been placed into the system. |  |

### process Customer’s Order

|  |  |
| --- | --- |
| Action performed by the actor | Response from the system |
| 1. The customer makes an order with the warehouse |  |
| 2. The admin makes a request to accept an order |  |
|  | 3. The system asks admin for an order ID |
| 4. The admin enters the order ID |  |
|  | 5. The system reads and checks if the ID is valid. If valid go to step 6. Otherwise system notifies the admin that order does not exist and goes to step 3. |
|  | 6. System views the inventory and check if there are enough product quantity in the stock to fulfill the order. If there are enough quantities to fulfill the order go to step 7, else notifies the admin with “not enough quantity” message and go to step 8. |
|  | 7. The system proceeds the order and go to step 11 |
| 8. The admin receives the notification and asks system to put this very order ID to the waitlist. |  |
|  | 9. The system puts that very orderID to the waitlist and notifies the admin. |
| 10. The admin notifies the customer that their order is in waitlist and will get back soon until they have receive another shipment |  |
| 10. The admin notifies the customer that their order has been processed. |  |

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### View Customer’s Transaction

|  |  |
| --- | --- |
| Action Performed by the actor | Response from the system |
| 1. Warehouse admin request the system to view the client’s transaction. |  |
|  | 2. System ask the warehouse admin for data (Client ID) to view the transaction. |
| 3. Warehouse admin enters the data (Client ID) to the system. |  |
|  | 4. System reads the data and if requirements are met, the system will generate a report of the client’s transaction (consist of date, string of description, and final price). System will prompt if warehouse admin wants to view another client’s transaction. |
| 5. Warehouse admin supplies the answer. |  |
|  | 6. If affirmative, proceed to step 2. If negative, system exits out. |

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### Accept a payment from customer

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| --- | --- |
| Action performed by the actor | Response from the system |
| 1. Customer request to make a payment for their order |  |
| 2. The admin issues a request with system to make a payment on the customer account |  |
|  | 3. The system asks for the customer ID |
| 4. The admin enters the customer ID |  |
|  | 5. The system reads and checks if the ID is valid. On validation, System asks for the payment amount in step 6. If invalid, system notifies that the ID is invalid and goes to step 3. |
| 6. The admin enters the payment amount. |  |
|  | 7. (Assuming that the client knows their balance, so requested payment is not greater than the balance) system applies the payment amount to client account and calculates new balance and stores the information like transaction date, amount paid and remaining balance (if exists). |
| 8. The admin notifies the customer that the payment has been accepted and applied to the account and transaction is ready to view. |  |

### Placed an order with a Manufacturer

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| --- | --- |
| Action performed by the actor | Response from the system |
| 1. The admin request the system to make an order with the manufacturer |  |
|  | 2. The system asks for manufacturer ID and order ID |
| 3. The admin enter all requested information about the manufacturer. |  |
|  | 4. The system reads and checks if the manufacturer ID exists. If exist, go to step 5.  If not, notifies admin that ID is invalid and go to step 2. |
|  | 5. The system asks admin to enter the product ID and quantity. |
| 6. The admin enters the product ID and quantity on an order as requested for each product. |  |
|  | 7. The system checks if the product ID is valid. If its valid go to step 8, else system notifies admin that the product ID is not valid and go to step 5. |
|  | 8. The system checks if the product ID is associated with the manufacturer ID. If it matches, system adds product to an order and go to step 9.  If invalid, system notifies an admin that the product is not associated with manufacturer and go to step 5. |
|  | 9. The system asks if there is more products to be added. |
| 10. The admin enters either yes or no |  |
|  | 11. If yes go to step 5, else go to step 12. |
| 12. The admin notifies the manufacturer that the order has been placed. |  |

**Receive a shipment**

|  |  |
| --- | --- |
| Action performed by the actor | Response from the system |
| 1. Shipment is received from the manufacturer. |  |
| 2. The admin request the system with new shipment. |  |
|  | 3. The system updates the product inventory and checks for the products on the waitlisted orders. |
|  | 4. If the product is on the waitlist, the system asks for the product IDs. |
| 5. The admin provides the product IDs. |  |
|  | 6. The system validates the products IDs. from new shipment one by one and fulfill the waitlisted order and updates the inventory with remaining products (if exist). |
|  | 7. System asks if any more shipments are to be received. |
| 8. If admin responds yes. |  |
|  | 9. System goes to step 3 |
| 10. If admin responds no |  |
|  | 11. System updates the inventory and prints the invoice of the updated inventory. |

**Print an invoice**

|  |  |
| --- | --- |
| Actions performed by the actor | Responses from the system |
| 1. Manufacturer issues a request to print the invoice for the order. |  |
|  | 2. System requests the product details from the admin. |
| 3. Administrator provides the product ID and its quantity. |  |
|  | 4. System validates the product ID, if true, system multiplies a single product cost with its quantity and records the price. If false, system goes to step 2. |
|  | 5. System asks if more products are to be added. |
| 6. If Admin responds yes. |  |
|  | 7. Go to step 2 and updates the recorded total cost. |
| 8. If Admin responds no. |  |
|  | 9. System updates the details of the order along with the date and prints the detailed invoice with date, product id and total cost. |

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### View Customer’s Outstanding Balance

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| --- | --- |
| Action Performed by the actor | Response from the system |
| 1. Warehouse admin request the system to view client’s outstanding balance |  |
|  | 2. System display list of clients with outstanding balance. |
| 3. Warehouse admin request the system to notify clients with outstanding balance |  |
|  | 4. System verifies the client’s account info and sends out notification. |

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