Ahsanullah University of Science & Technology

Department of Computer Science & Engineering (CSE)

Proposal on

"Requisition Management System"

Prepared for:

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Course No. & Name

CSE 3224 – Information & System Design Lab

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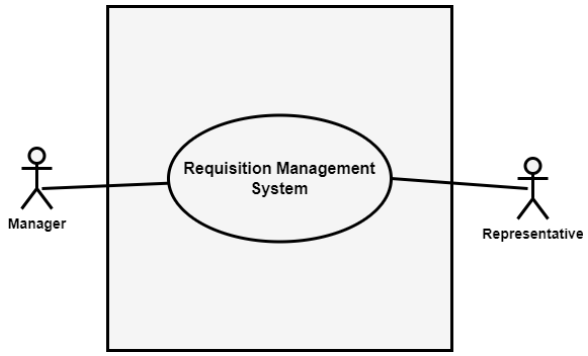
Use Case Diagrams:

LEVEL-0 USE CASE



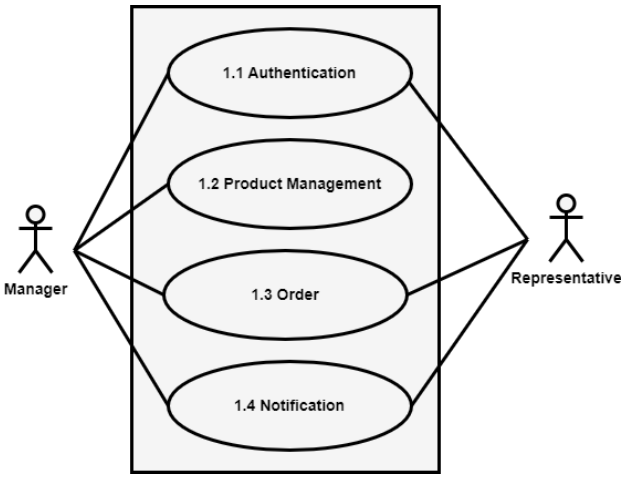
Level 0 Use Case

Description of Use case diagram level-0:

There are 2 actors who directly interact with the system. Both actors are primary actor who will play action & get a reply from the system. The actors are –

1. Manager
2. Representative

LEVEL-1 USE CASE – Sub System



Level 1 Use Case – Sub System

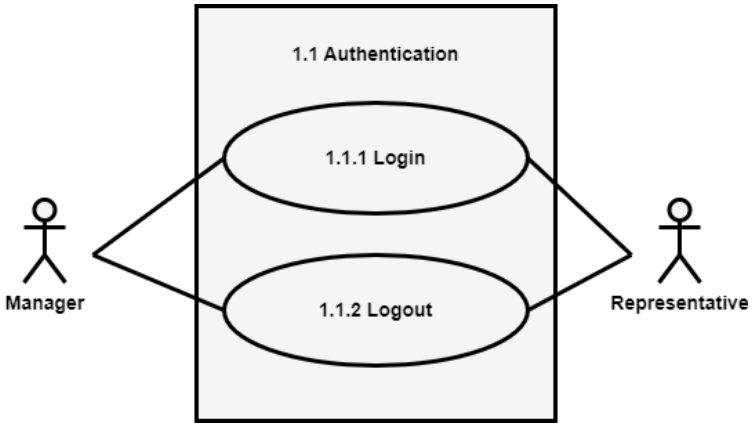
Description of Use case diagram level-1:

There are four subsystems in the Super Shop Management System. They are:

1. Authentication
2. Product Management
3. Order
4. Notification

The four subsystems are decomposed, in levels 1.1, 1.2, 1.3, and 1.4 respectively.

LEVEL-1.1 USE CASE – Authentication



Level 1.1 Use Case – Authentication

Description of Use case diagram level-1.1:

When the Manager or Representative wants to login, he/she needs to enter the email/branch ID, password and select the role. If the email/branch ID, password and role match, then the login is successful. The system shows an error message if the email/branch ID, password, role, or all are wrong and the user can try again to log into the system.

Action Reply:

Manager/Representative:

A1: Manager/Representative provides email/branch ID, password and role.

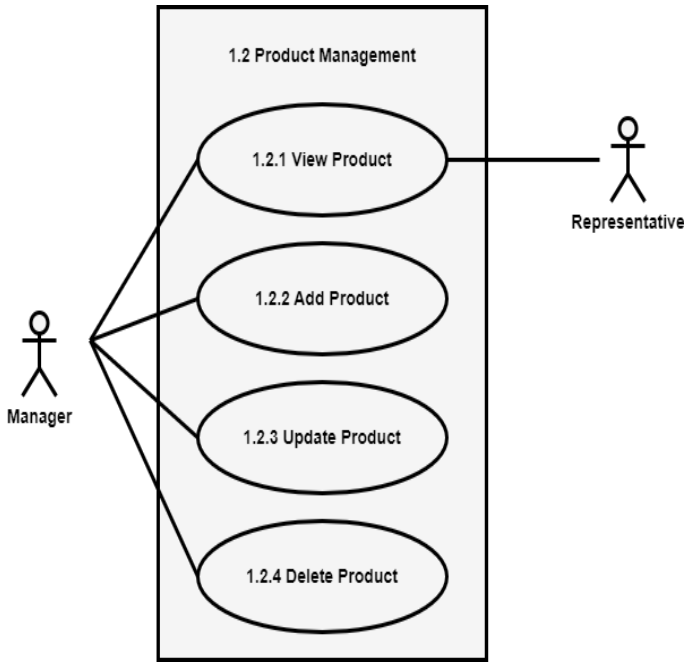
R1: System checks validity. If all are valid, the system will allow to log into the account.

Manager/Representative:

A2: Manager/Representative provides invalid information.

R2: The system will show an error message and allow to try again.

LEVEL-1.2 USE CASE - Product management



Level 1.2 Use Case – Product Management

Description of Use case diagram level-1.2:

The Manager can view, add, update and delete product details from the inventory. And representitave can only view the product list from the inventory.

Action Reply:

Manager:

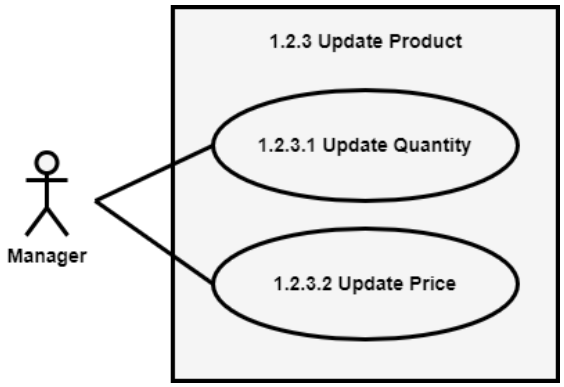
A1: Manager selects add product, update product, delete product icon.

R1: The system acts accordingly and saves the changes.

A2: Manager selects the view products option.

R2: The system will show all the products with details available in the inventories.

Level 1.2.3 USE CASE – Update Product



Level 1.2.3 Use Case – Update Product

Description of Use case diagram level-1.2.3:

From the update product icon, the manager can update its quantity and price for this specific product.

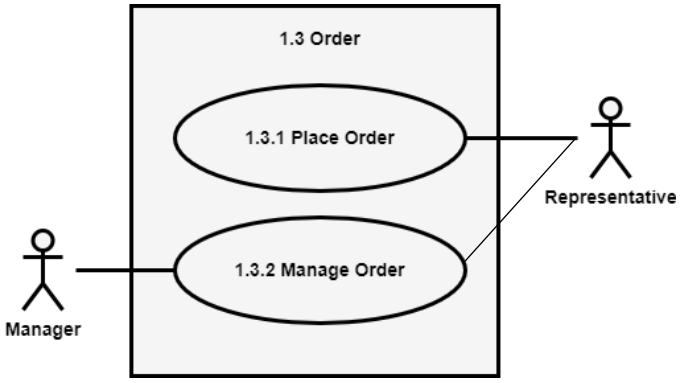
Action Reply:

Manager:

A1: Manager selects update product icon, change the quantity and price of this product.

R1: The system acts accordingly and saves the changes.

LEVEL 1.3 USE CASE – Order



Level 1.3 Use Case – Order

Description of Use case diagram level-1.3:

The Representative can place any kind of order to the Manager and the Manager can manage all the order he/she received.

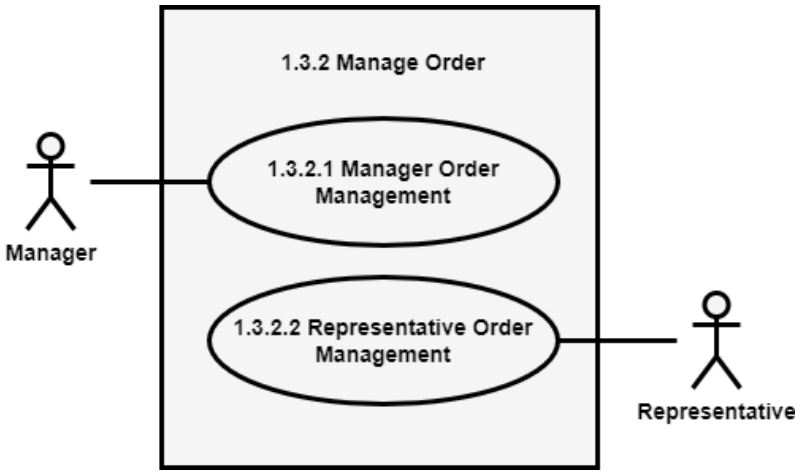
Action Reply:

Representative:

A1: The Representative can place order to the Manager.

R1: The system will send the order request to the Manager.

LEVEL 1.3.2 USE CASE – Manage Order

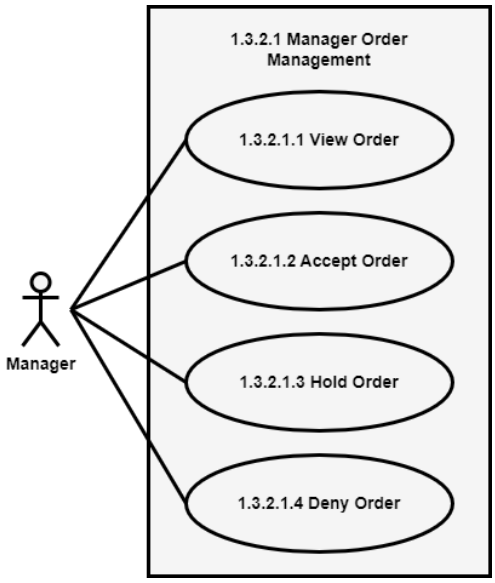


Level 1.3.2 Use Case – Manage Order

Description of Use case diagram level-1.3.2:

The manager and the Representative both have their own management options.

LEVEL 1.3.2.1 USE CASE – Manager Order Management



Level 1.3.2.1 Use Case – Manager Order Management

Description of Use case diagram level-1.3.2.1:

The Manager can view requested order from the Representative. He/she can accept, deny or hold this order.

Action Reply:

Manager:

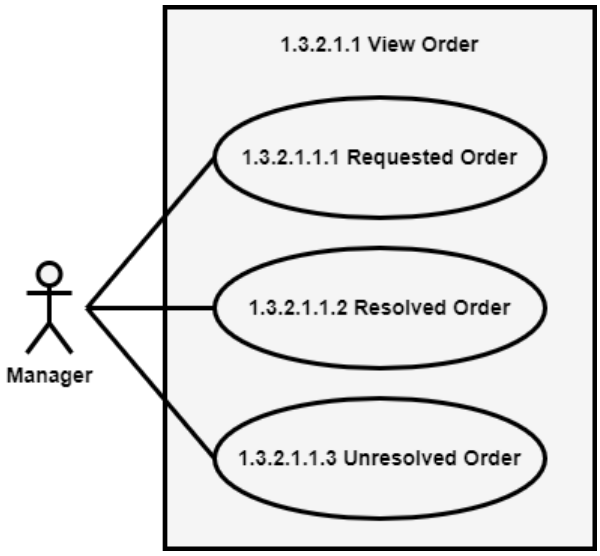
A1: Manager select view order option.

R1: The system will show the requested order list to the Manager.

A2: The manager selects accept, deny or hold option.

R2: The system acts accordingly and accept, deny or hold this order.

LEVEL 1.3.2.1.1 USE CASE – View Order



Level 1.3.2.1.1 Use Case – View Order

Description of Use case diagram level-1.3.2.1.1:

The Manager can see three different types of order list. Requested order, resolved order and unresolved order.

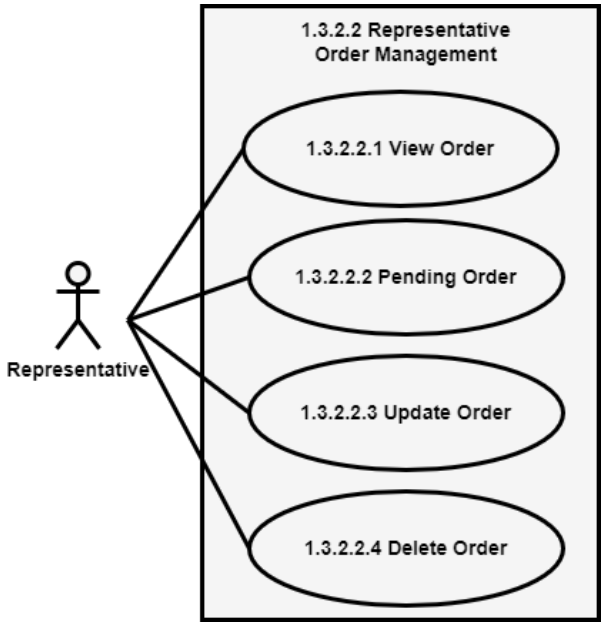
Action Reply:

Manager:

A1: Manager selects request order, resolved order and unresolved order option.

R2: The system will show the specific order list to the manager which he/she will select.

LEVEL 1.3.2.2 USE CASE – Representative Order Management



Level 1.3.2.2 Use Case – Representative Order Management

Description of Use case diagram level-1.3.2.2:

The representative can view his/her all order, pending order and he/she can update & delete his/her requested order.

Action Reply:

Representative:

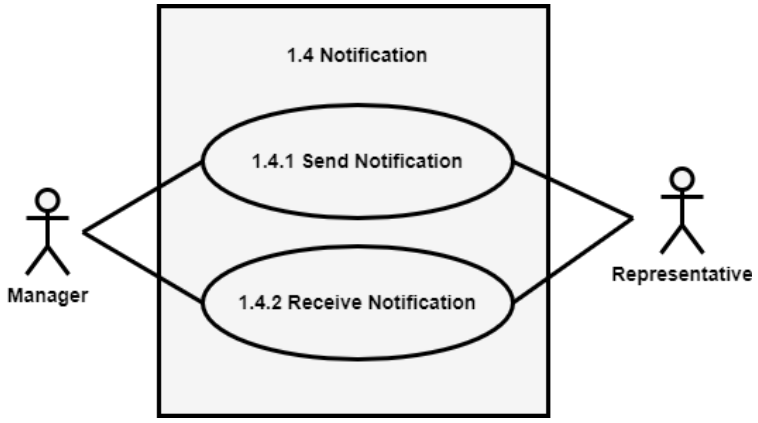
A1: Representative selects view order and pending order option.

R1: The system will show the specific order list which he/she selects.

A2: Representative selects update order and delete order icon.

R2: The system will act accordingly and saves the changes.

LEVEL 1.4 USE CASE – Notification



Level 1.4 Use Case – Notification

Description of Use case diagram level-1.3.2.2:

When the representative requests any product, the Manager are notified. When the manager responds to a request, the representative is notified.

Action Reply:

Representative:

A1: The Representative place an order.

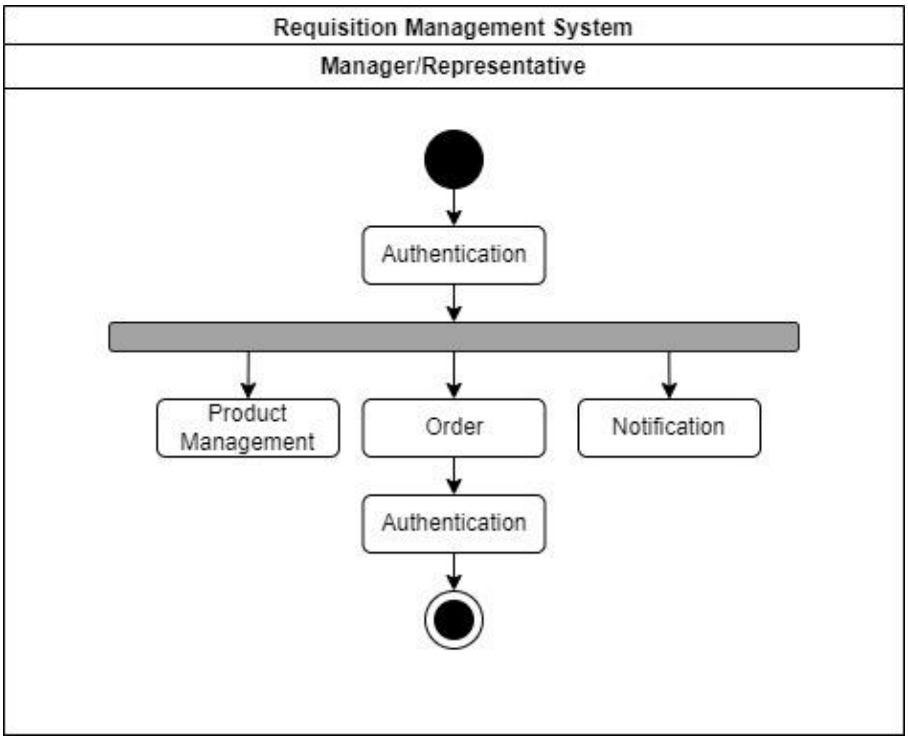
R1: The system will create a notification and send it to the Manager.

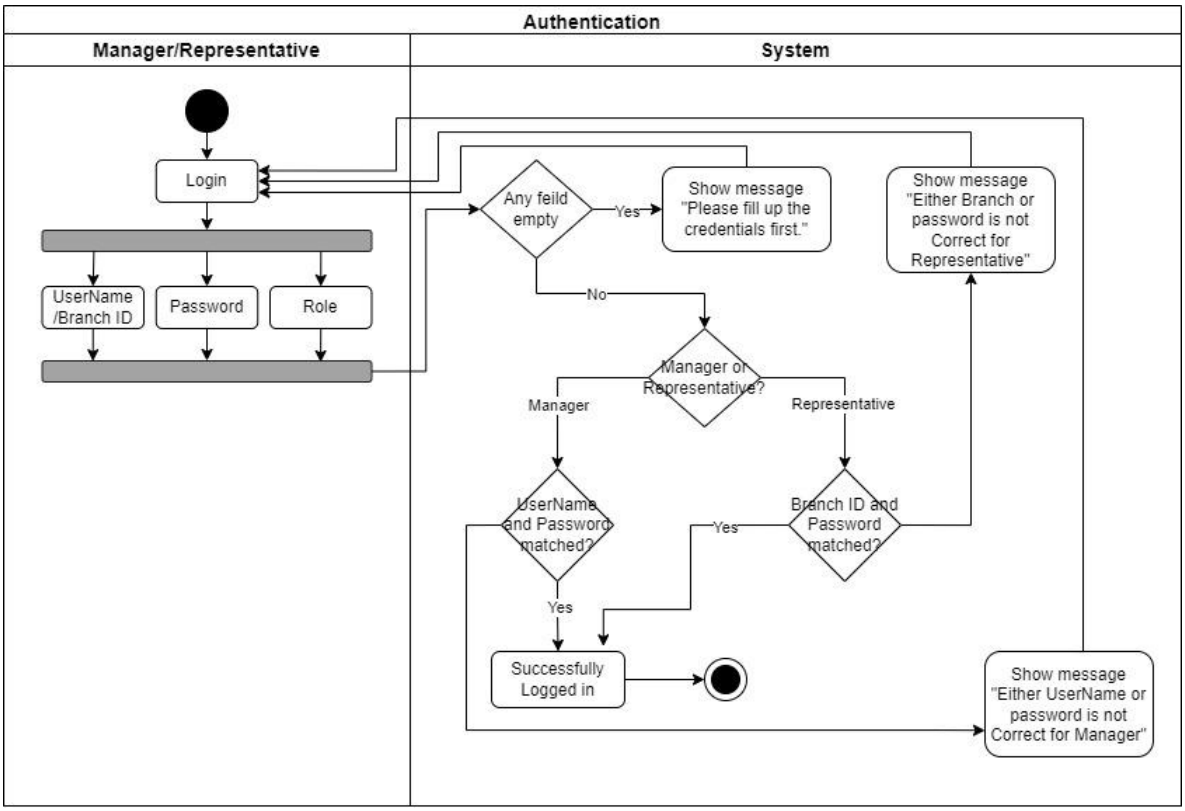
Manager:

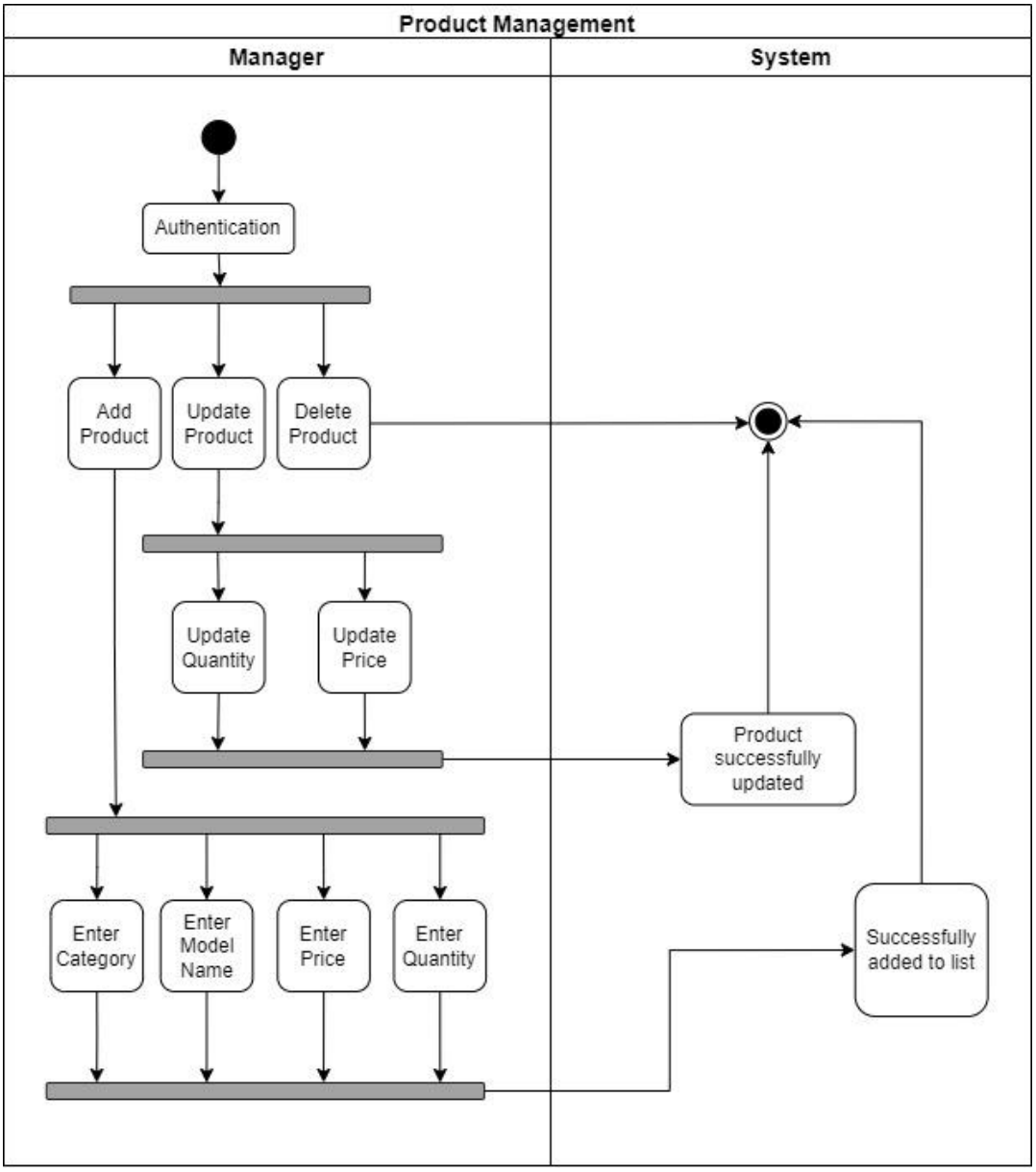
A2: The Manager responds to an order.

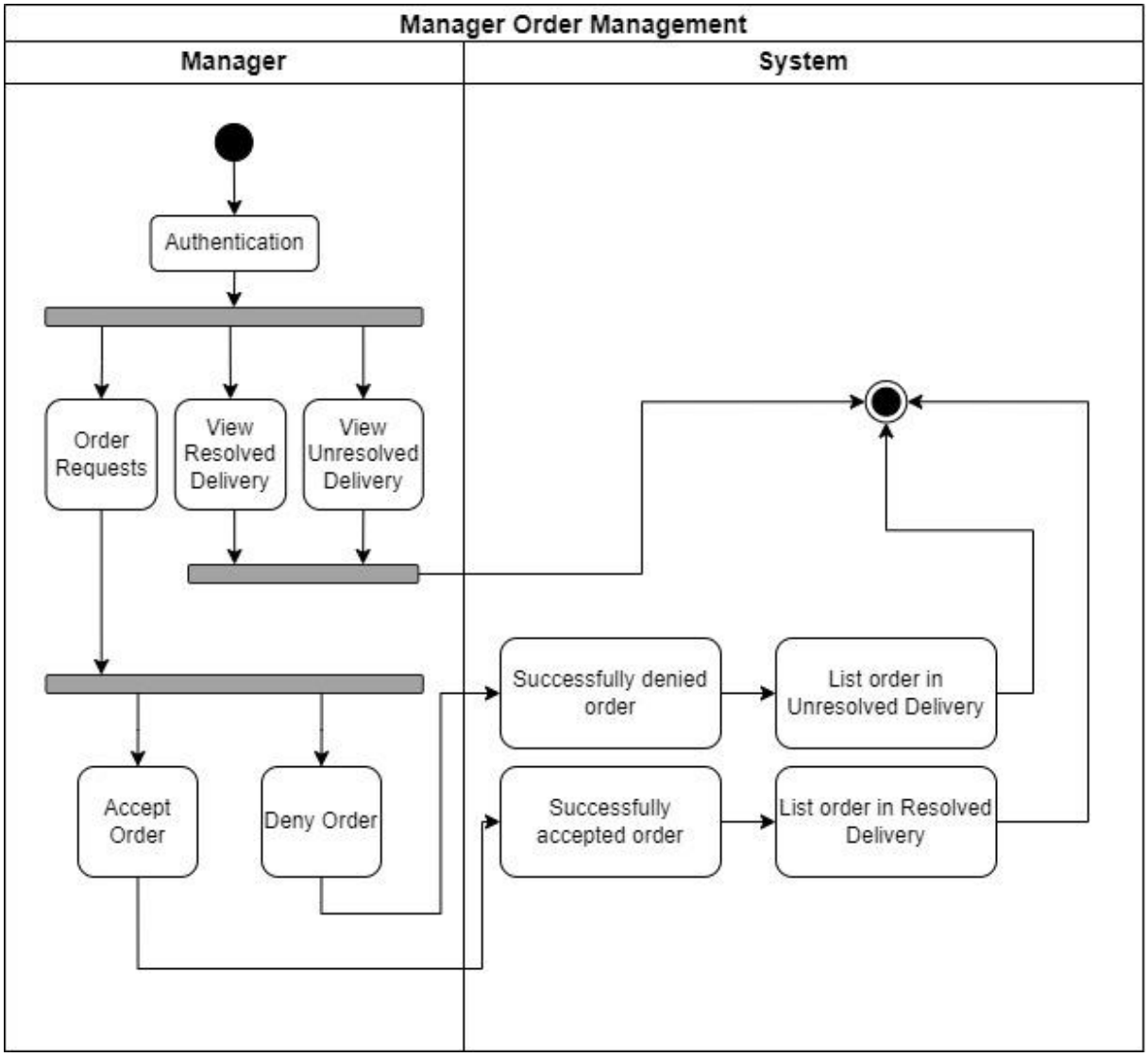
R2: The system will create a notification and send it to the representative.

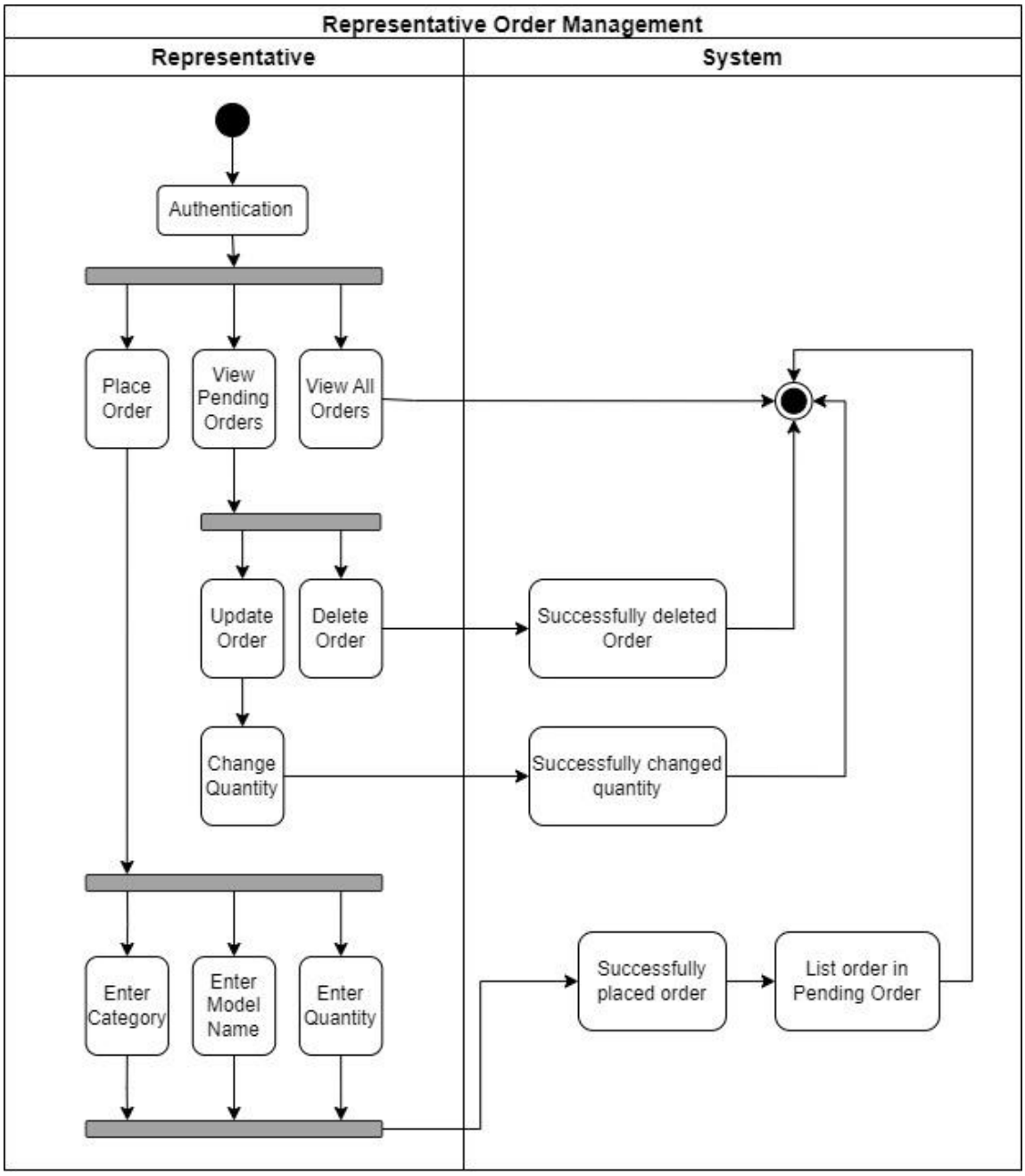
Swimlane Diagrams:



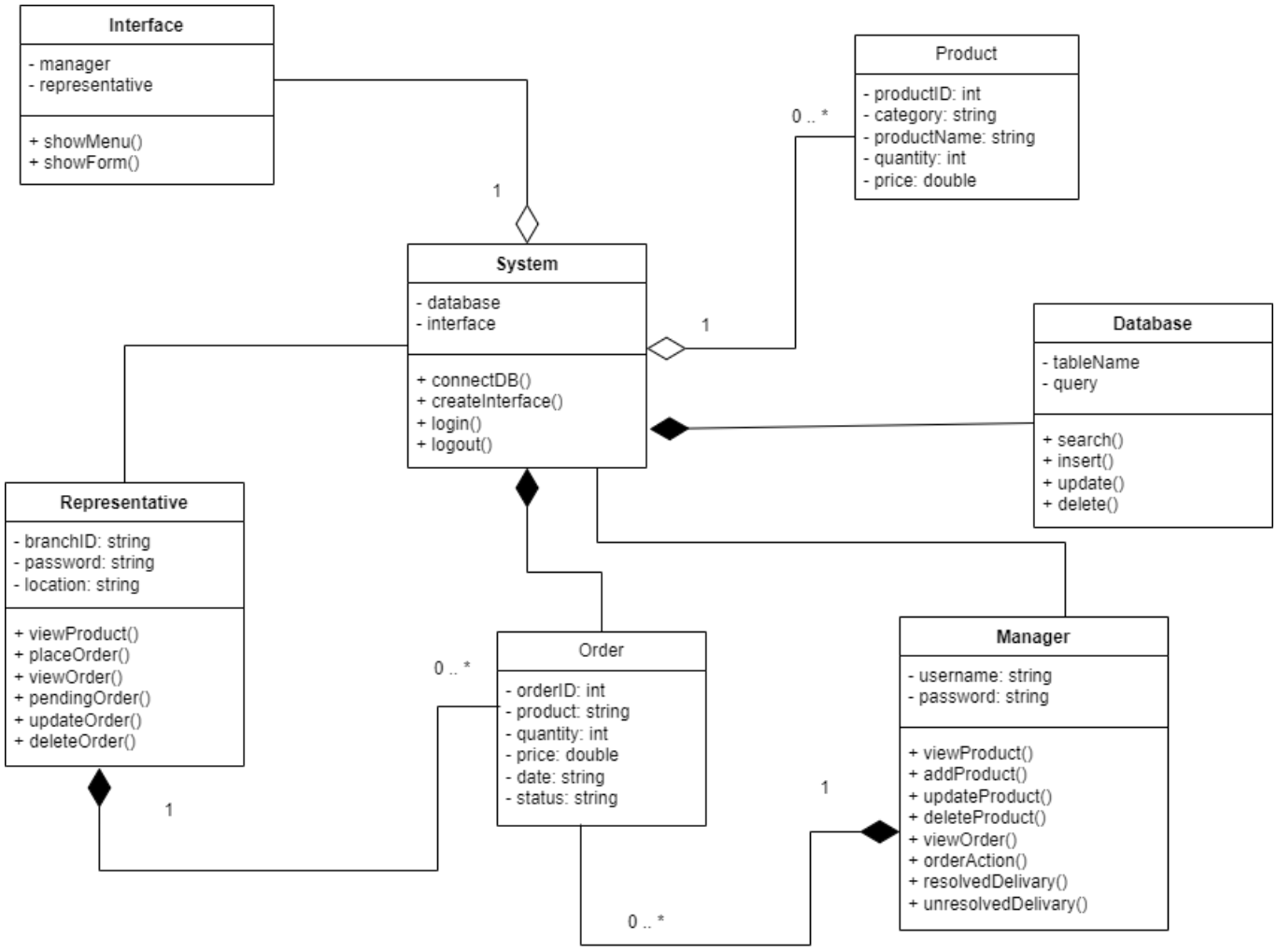



Product Management
Manager
System
Authentication
Add Product
Update Product
Delete Product
Update Quantity
Update Price
Product successfully updated
Enter Category
Enter Model Name
Enter Price
Enter Quantity
Successfully added to list


Manager Order Management
Manager
System
Authentication
Order Requests
View Resolved Delivery
View Unresolved Delivery
Accept Order
Deny Order
Successfully denied order
List order in Unresolved Delivery
Successfully accepted order
List order in Resolved Delivery


Representative Order Management
Representative
System
Authentication
Place Order
View Pending Orders
View All Orders
Update Order
Delete Order
Change Quantity
Successfully deleted Order
Successfully changed quantity
Enter Category
Enter Model Name
Enter Quantity
Successfully placed order
List order in Pending Order

Class Diagram:



UML Diagram