



American International University-Bangladesh (AIUB)

Department of Computer Science and Engineering

Faculty of Science & Technology (FST)

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CSC 00191- Object Oriented Analysis And Design (OOAD)

Section: J

Project Title: ONLINE SHOP MANAGEMENT SYSTEM

Submitted by:

<u>Name</u>	<u>ID</u>
1. Abdullah Rayed	20-41846-1
2. Mirza Asif Mahmud	20-43314-1
3. Syeda Nazia Tasnim	20-41997-1

Submitted to:

MD. ANWARUL KABIR

Sr. Assistant Professor

Department of Computer Science

1. Project Title: Online Shop Management System

2. Project overview

First of all, customers have to register their account and provide login credentials in order to place order and buy goods. Server will validate login credentials. They can choose and buy products. If stock available, order will be placed. Company will have employees such as manager, accountant and delivery men. Manager maintains other employees under him and goes through products in order to import them if needed. After placing an order customer can pay by bkaash or cash on delivery. If customer pays by bkaash, an accountant will handle their transaction by making bills and providing discounts if customer is eligible. Discount is offered by manager if customer meets certain criteria. If customer uses cash on delivery, then they can pay the delivery man after receiving the product. In this case, discount process is handled by accountant beforehand. Company accepts return policy if customer is not satisfied with the product and demands a refund. Delivery man will retain the product and hand in the cash to customer.

User Group(s): Customer, Server, Manager, Accountant, Delivery Men

3. Justification:

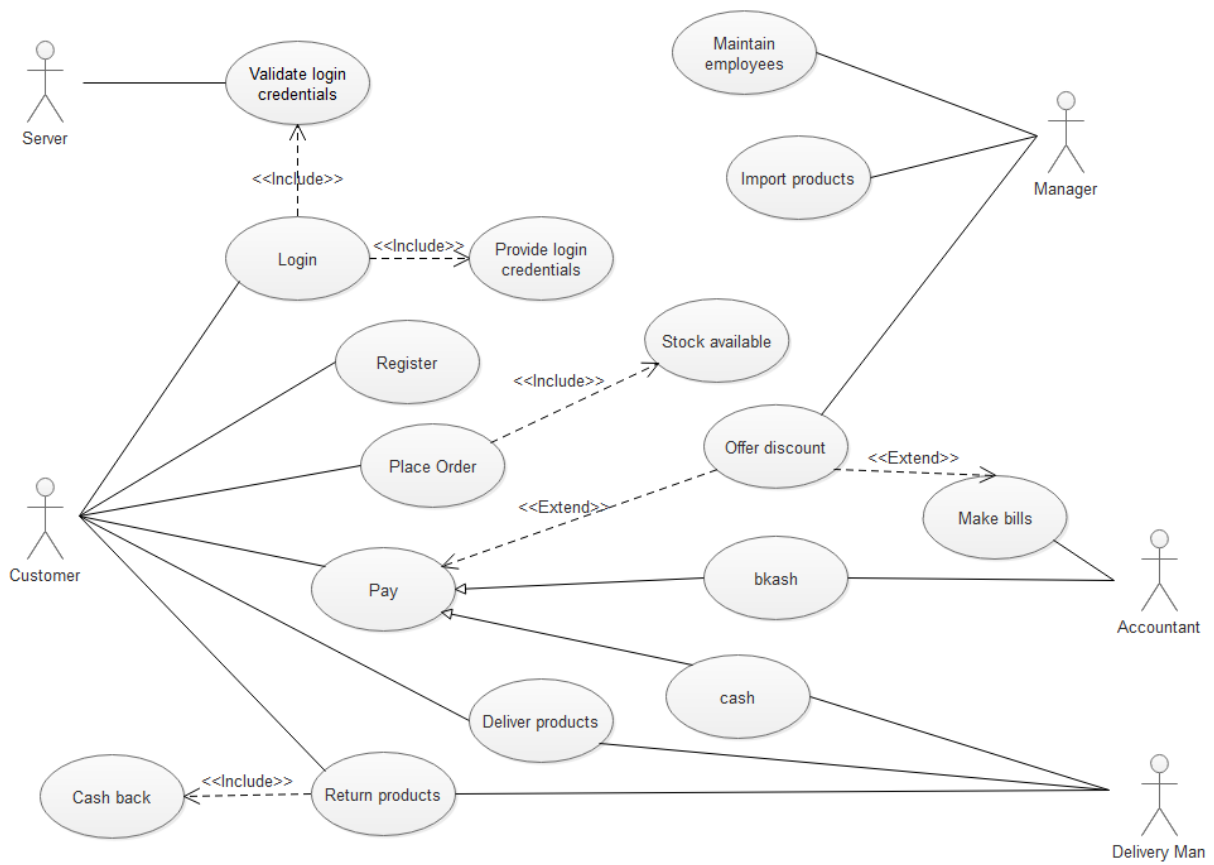
Benefits of Online Shopping Management System is given below:

- Purchasing online is much more convenient than going to the store.
- Provides consumable in a short period of time, reducing the hassle of going out while in quarantine.
- Multiple payment option for the ease of the customer.
- Refund policy if service is not satisfactory.
- Customer can be aware of product availability.
- Registration and login system will remember customers Wishlist.
- Regular customers can enjoy discounts

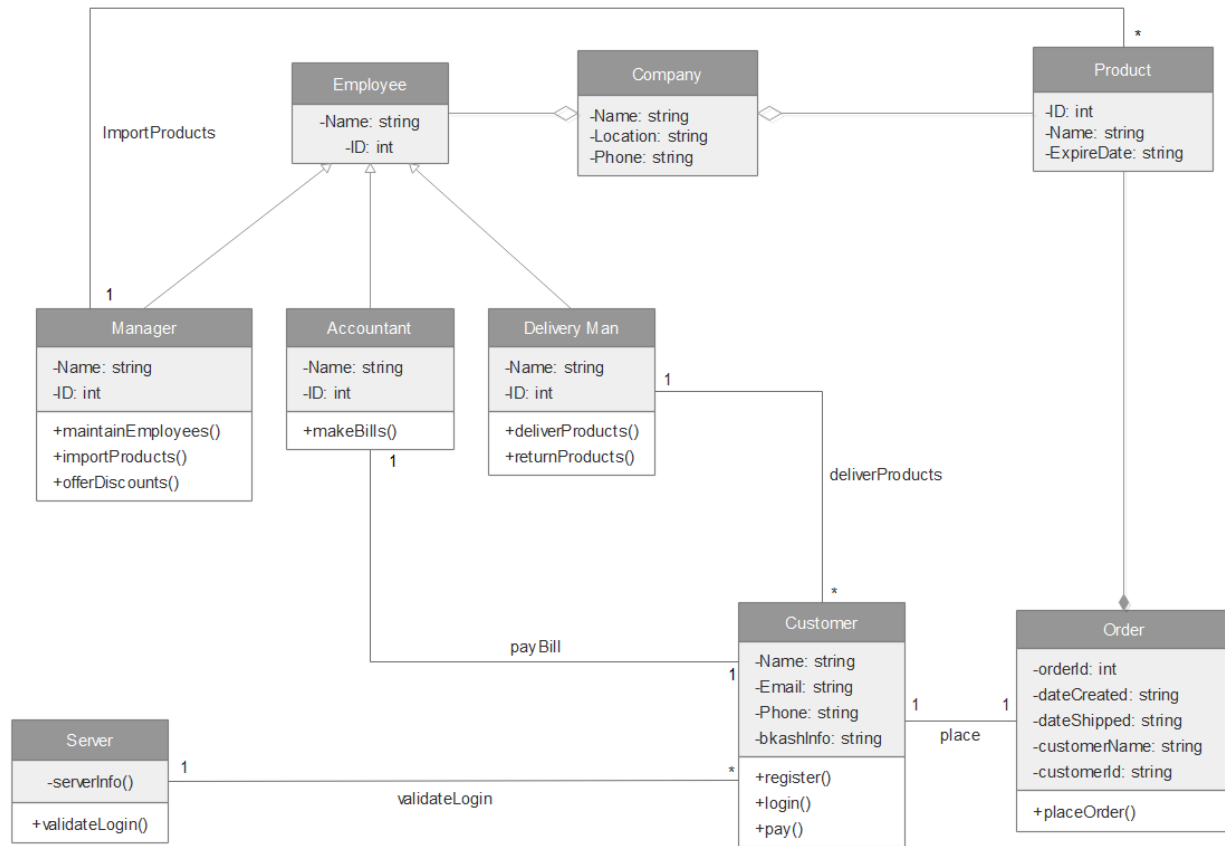
4. Overall Use Case of the Proposed Project

Actors and corresponding use cases:

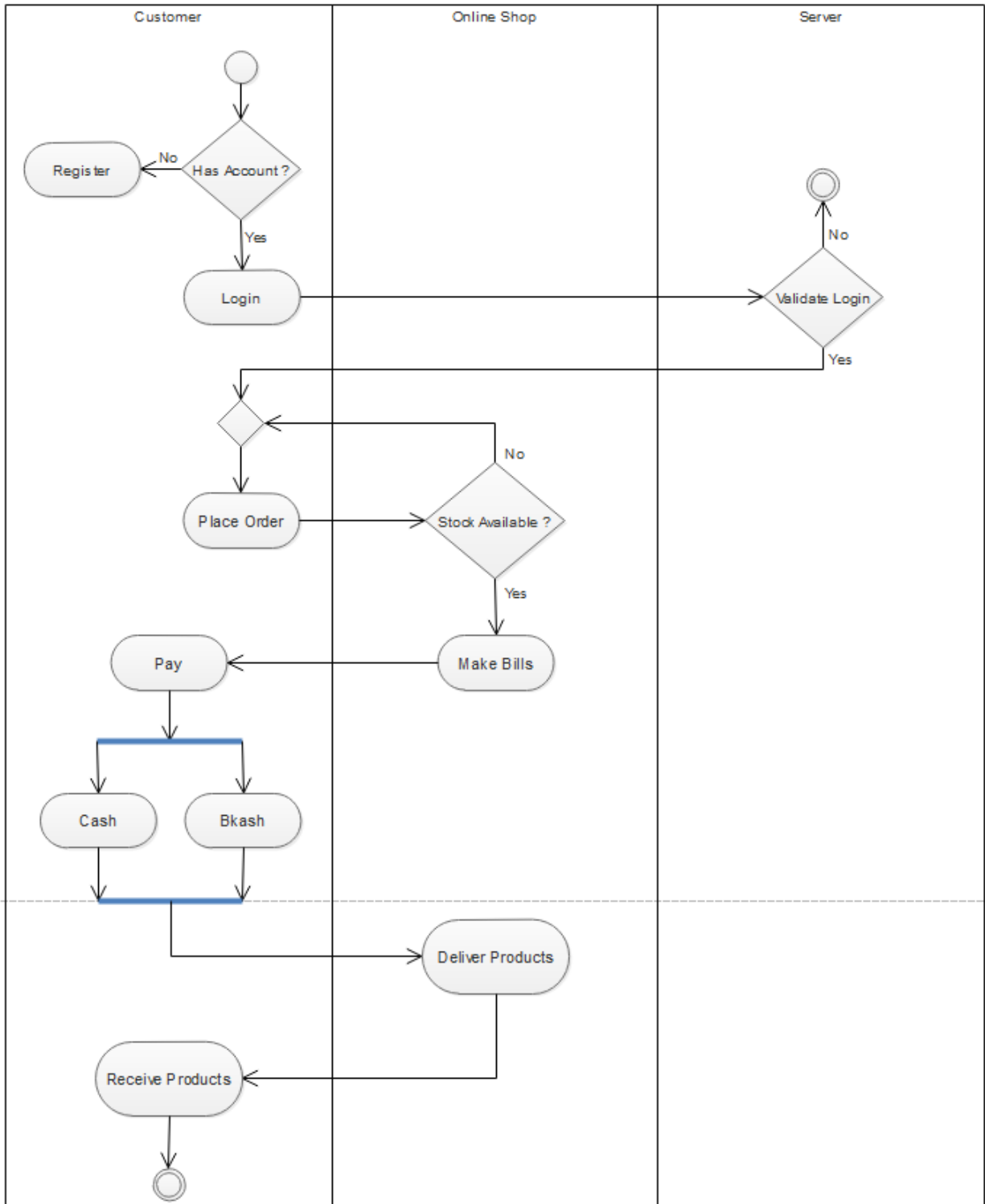
- Customer:**
- Register
 - Login
 - Provide login credentials
 - Place order
 - if stock available
 - Pay
 - bkash – accountant will handle transaction and discount
 - cash – pay delivery man
 - accountant will handle discount beforehand
- Server:**
- Validate login credentials
- Manager:**
- Maintain other employees
 - Import products
 - Offer discount to customers
- Accountant:**
- Make bills
 - provide discount if eligible
- Delivery Men:**
- Deliver products
 - return products
 - cash back



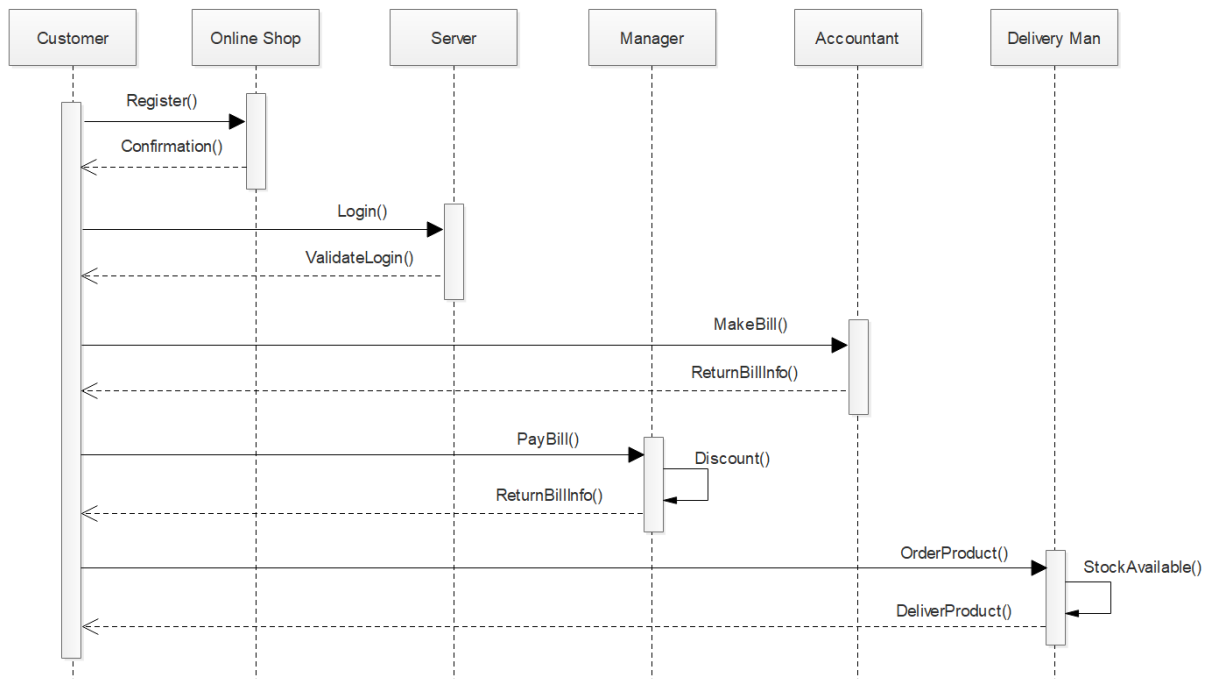
5. Class diagram of the project:



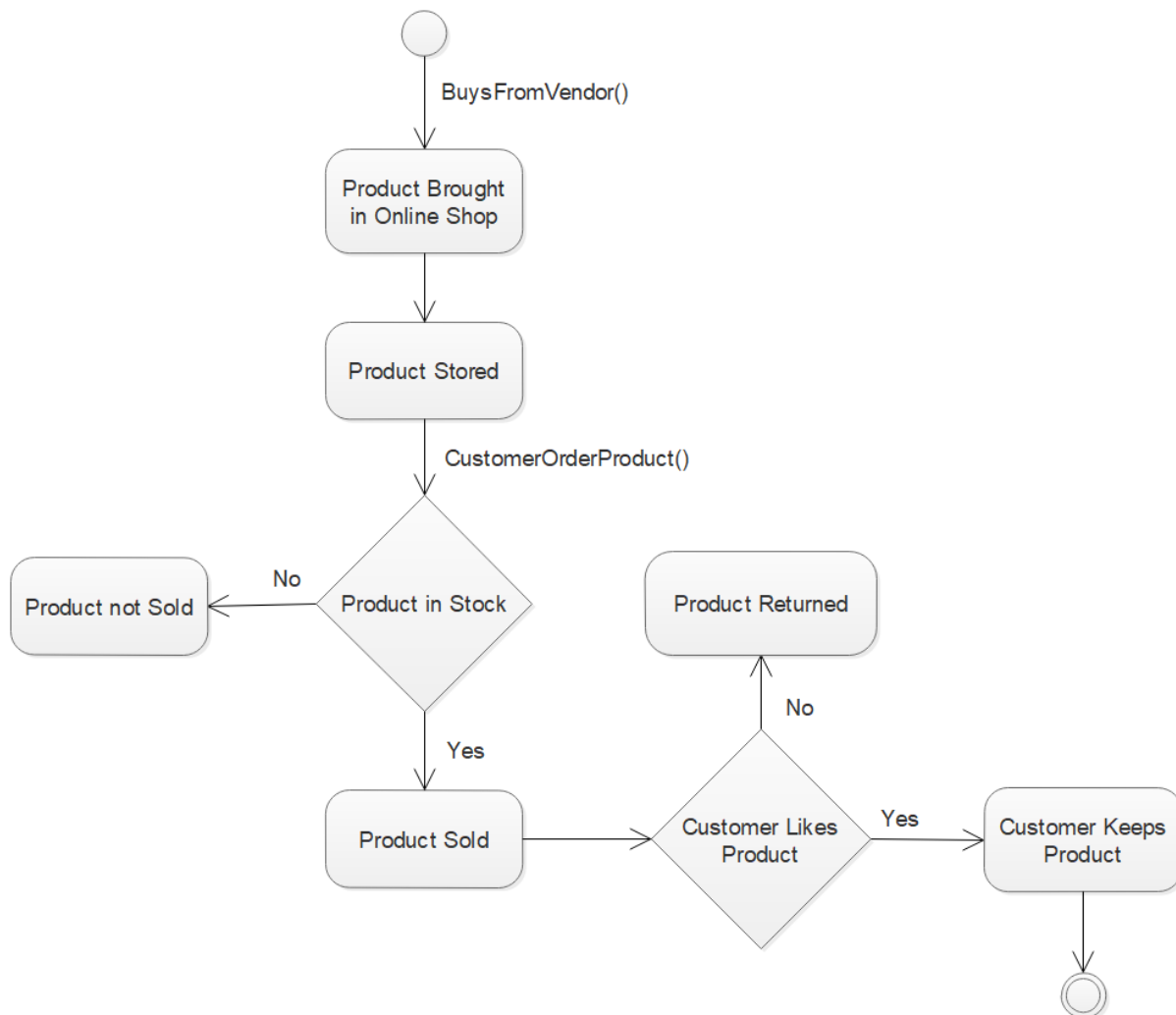
6. Activity Diagram of the project:



7. Sequence Diagram of the project:



8. Statechart Diagram:



9. Conclusion:

Online shop management system will make life easier by reducing the redundant process of going to a shopping mall and buying product by physically interacting there. It will be very helpful in this pandemic situation like covid-19 that we are facing right now.