



SAVEETHA SCHOOL OF ENGINEERING
SAVEETHA INSTITUTE OF MEDICAL AND
TECHNICAL SCIENCES



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

LIST OF EXPERIMENTS

COURSE CODE : CSA4001

COURSE NAME : MANAGEMENT INFORMATION SYSTEM

7) Draw a UML diagram for online purchasing system. Provide top level use cases for a web customer making purchases online. Web customer actor uses some web site to make purchases online. Top level use cases are View Items, Make Purchase and Client Register.

AIM:

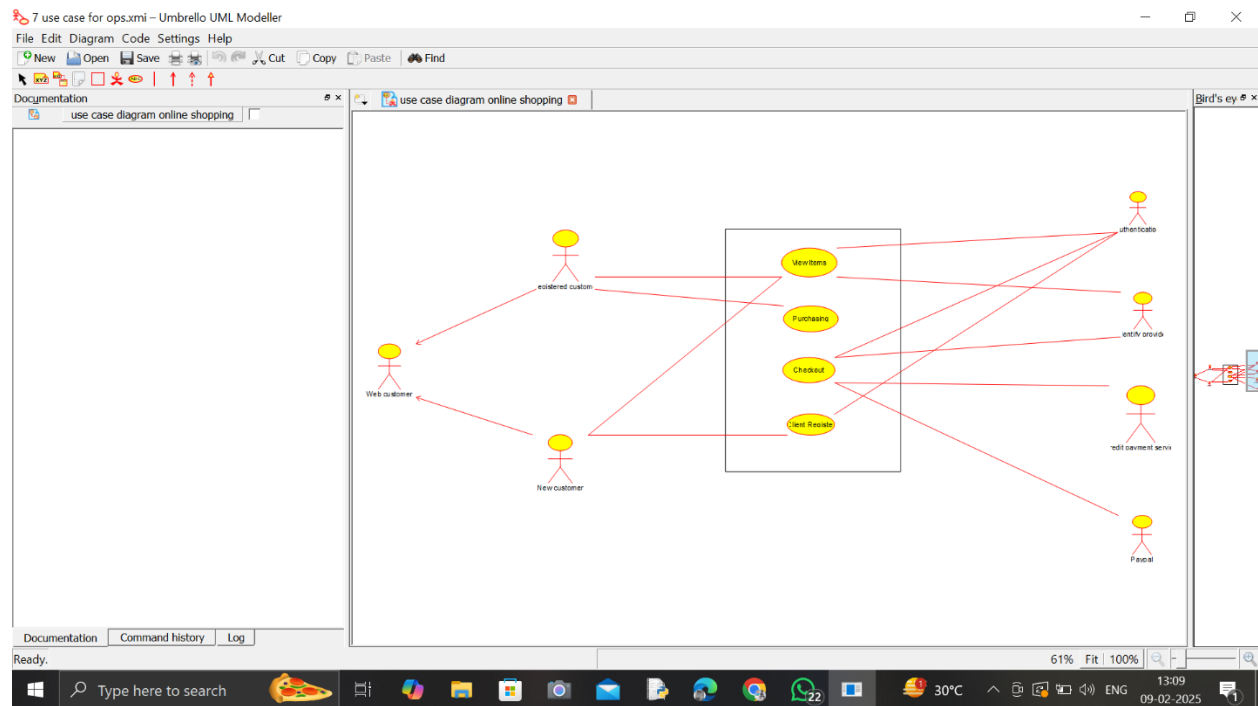
Design a **UML diagram** for an **Online Purchasing System**, where web customers can view items, register, and make purchases through a website.

PROCEDURE:

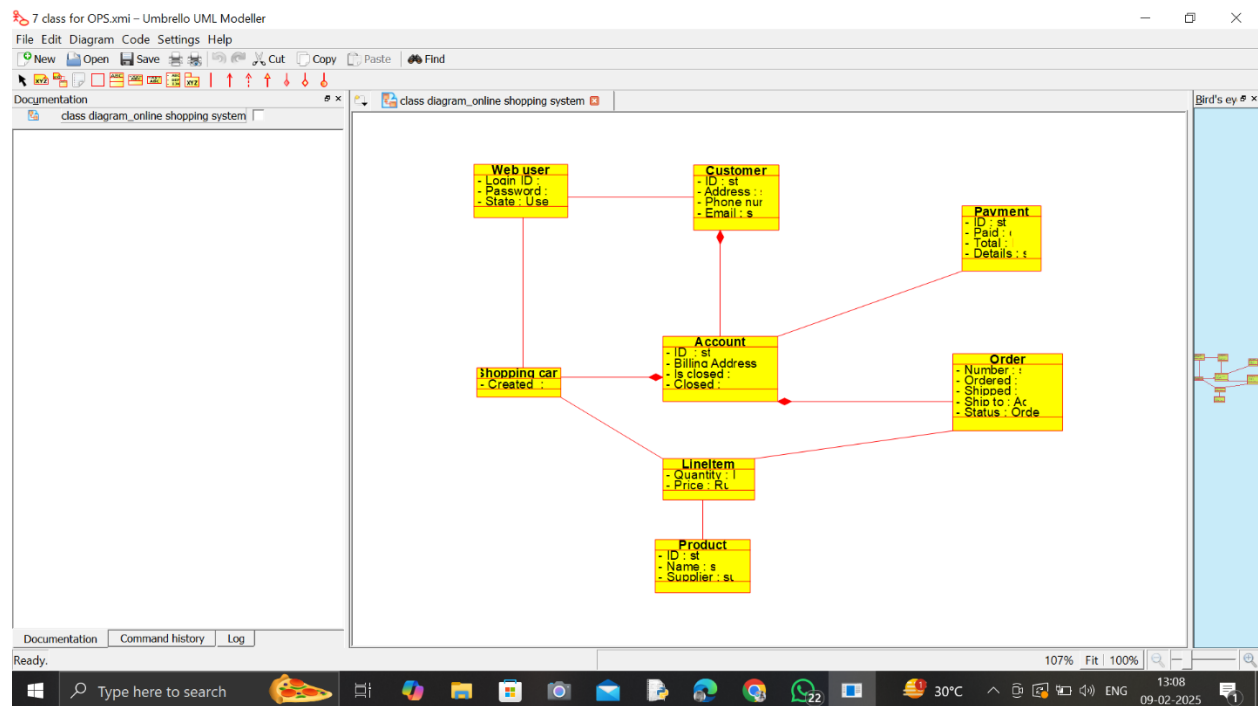
- 1. Web Customer Views Items**
 - The customer browses the online store to view available products.
- 2. Customer Registers on the Website**
 - A new user creates an account by providing personal details and login credentials.
- 3. Customer Adds Items to Cart**
 - The customer selects desired items and adds them to the shopping cart.
- 4. Customer Proceeds to Checkout**
 - The system calculates the total price, including discounts and taxes.
- 5. Customer Makes Payment**
 - The customer selects a payment method (credit/debit card, PayPal, etc.) and completes the transaction.
- 6. System Confirms Purchase & Updates Inventory**
 - The system verifies payment, generates an order confirmation, and updates inventory.
- 7. Order is Processed & Shipped**
 - The system sends the order details to the shipping department, and the customer receives tracking information.

OBSERVATION:

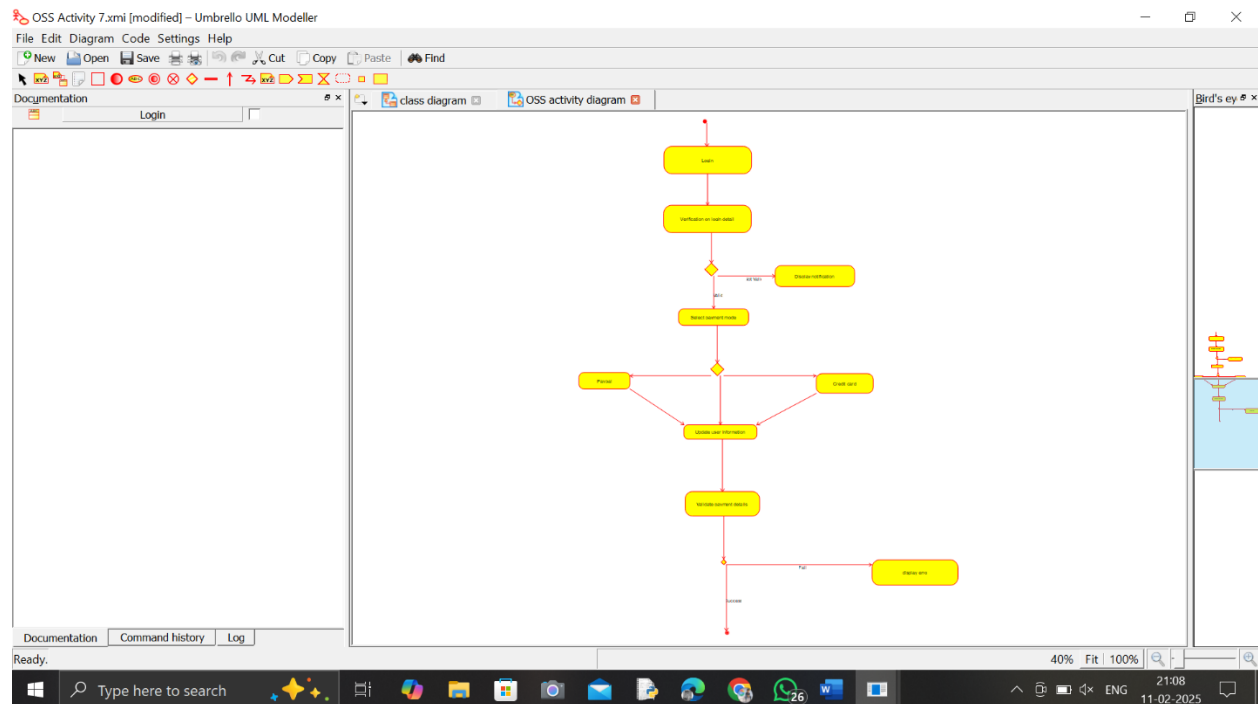
USECASE DIAGRAM:



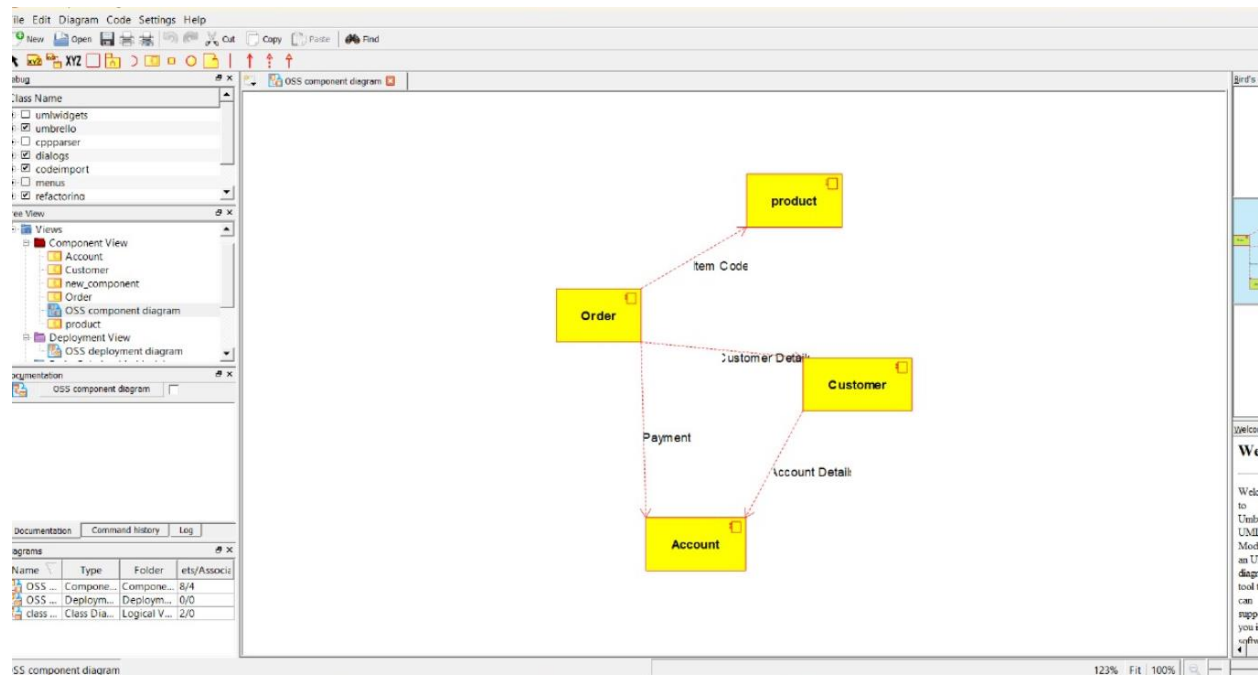
CLASS DIAGRAM:



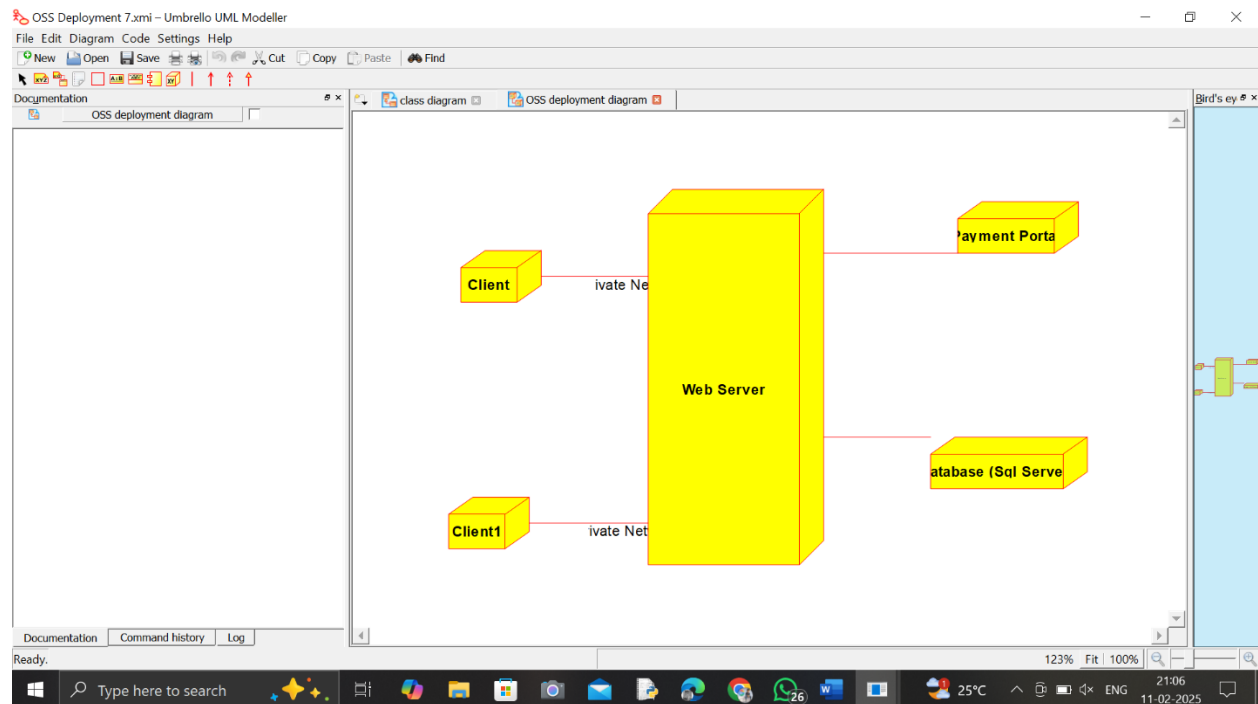
ACTIVITY DIAGRAM:



COMPONENT DIAGRAM:



DEPLOYMENT DIAGRAM:



RESULT:

The **Online Purchasing System** enables customers to view items, register, and make purchases seamlessly, ensuring secure transactions and efficient order processing. This enhances the shopping experience while maintaining inventory accuracy.