

## **Exercise 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.

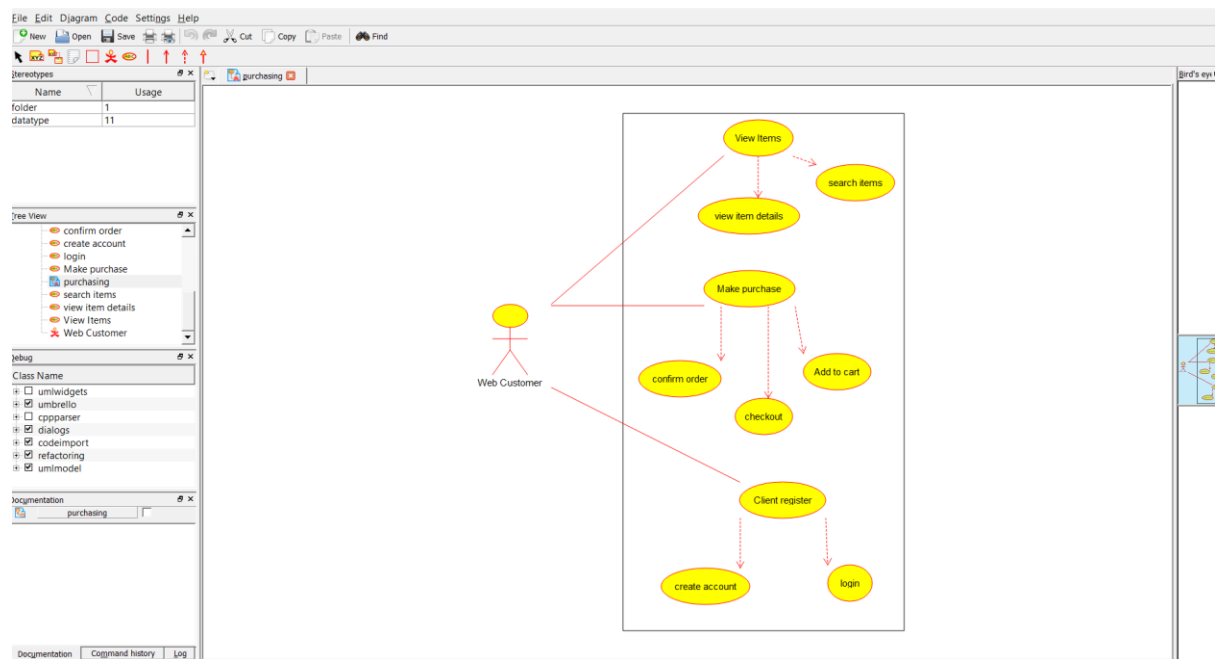
### **Aim**

To design a Use Case Diagram for an Online Purchasing System, showcasing interactions between web customers and the system.

### **Procedure**

1. **Identify Key Actors** – Define the main actor as the Web Customer, who interacts with the system.
2. **Define Use Cases** – Determine primary use cases, including View Items, Make Purchase, and Client Register.
3. **Establish Relationships** – Connect the Web Customer to each use case through associations.
4. **Define System Processes** – Incorporate sub-use cases under Make Purchase, such as Search Items, Add to Cart, Provide Payment Details, Confirm Order, and Receive Confirmation.
5. **Create the Use Case Diagram** – Illustrate actors, use cases, and their relationships in a structured diagram.
6. **Introduce Additional Actors** – Add the Payment System for transaction processing and Admin for product management.
7. **Review and Refine** – Verify accuracy, ensure logical connections, and optimize for clarity and completeness.

## Output



## Result

Thus the UML diagram for the Online Purchasing System has been implemented successfully.