

## PROGRAMS:

2. Draw a coffee day ordering system. A coffee day shop vending machine dispenses coffee to customers. Customers order coffee by selecting a recipe from a set of recipes. Customers pay for the coffee using coins. Change is given back, if any, to the customers. The 'service assistant' loads ingredients (coffee powder, milk, sugar, water, chocolate) into the coffee machine. The 'service assistant' adds recipe by indicating the name of the coffee, the units of coffee powder, milk, sugar, water, chocolate to be added as well as the cost of the coffee. The service assistant can also edit and delete a recipe. Develop the use case diagram for the specification above.

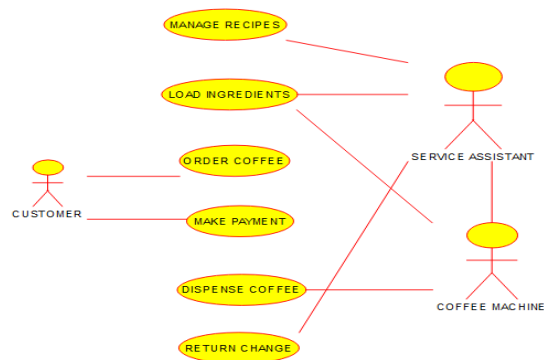
## AIM:

To design a Use Case Diagram for the Coffee Day Ordering System using Umbrello UML Modeller based on the given specifications.

## PROCEDURE :

- STEP 1:** Open Umbrello UML Modeller and create a new project.
- STEP 2:** Select the Use Case Diagram option.
- STEP 3:** Draw a rectangle representing the Coffee Machine System.
- STEP 4:** Add two actors: Customer (left) and Service Assistant (right).
- STEP 5:** Use the Use Case tool to create the use cases
- STEP 6:** Connect Customer to Order Coffee, Make Payment, and Receive Change.
- STEP 7:** Connect Coffee Machine to Dispense Coffee and Return Change.
- STEP 8:** Connect Service Assistant to Load Ingredients, Add Recipe, Edit Recipe, and Delete Recipe.
- STEP 9:** Save the diagram and export it as an image if needed.

## OUTPUT:



## RESULT:

Thus, the Use Case Diagram for the Coffee Day Ordering System was successfully created in Umbrello UML Modeller