Draw a coffe coffe day ordering system. A coffe 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 develop a **Use Case Diagram** for a **Coffee Coffee Day Ordering System**, illustrating interactions between customers, service assistants, and the coffee vending machine.

PROCEDURE

1. **Identify Actors**: Customer, Service Assistant, Coffee Machine.
2. **Identify Use Cases**: Order Coffee, Make Payment, Dispense Coffee & Change, Load Ingredients, Manage Recipes.
3. **Establish Relationships**: Connect actors to relevant use cases.
4. **Draw Use Case Diagram**: Use stick figures for actors, ovals for use cases, and lines for interactions.

DIAGRAM

USE CASE DIAGRAM