

EX 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:

The aim of the **Coffee Ordering System** is to facilitate coffee ordering and dispensing at a Coffee Coffee Day vending machine. The system allows customers to select coffee recipes, make payments using coins, and receive change. The service assistant manages the ingredients and maintains coffee recipes, ensuring the smooth operation of the vending machine.

Procedure:

1. Customer Selects Coffee:

- Customer selects a coffee recipe from the available list.

2. Payment:

- Customer inserts coins for the coffee.
- If the payment is sufficient, the system proceeds; otherwise, it prompts for more coins.

3. Change Calculation:

- If the customer has overpaid, the system calculates and dispenses the change.

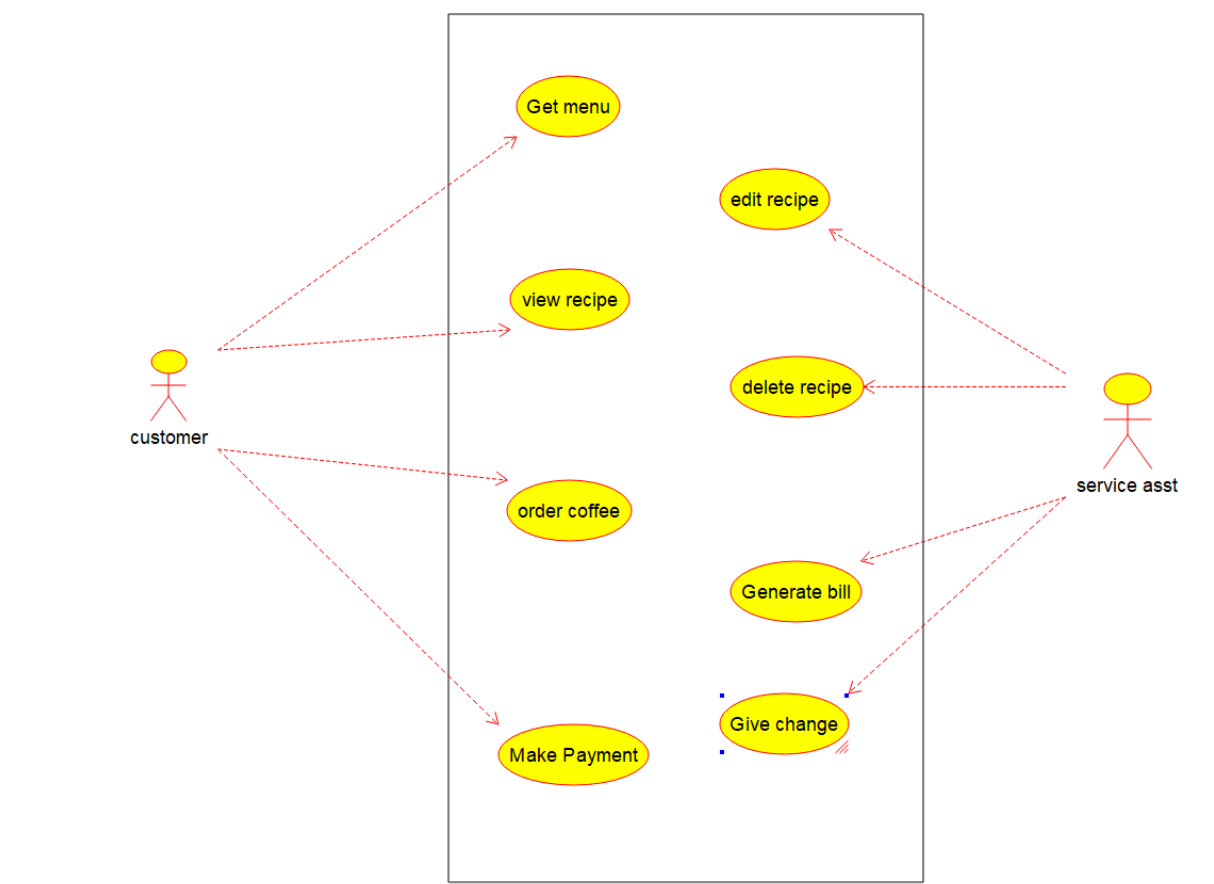
4. Coffee Dispense:

- The system dispenses the coffee as per the selected recipe.

5. Service Assistant:

- Loads ingredients into the coffee machine (coffee powder, milk, sugar, water, chocolate).
- Adds, edits, or deletes recipes, specifying the ingredients and the cost for each recipe.

OUTPUT:USE CASE DIAGRAM



Result:

Hence, the customer selects a coffee, makes the required payment, and receives the correct amount of coffee, along with any change if applicable. The service assistant ensures that ingredients are loaded, and recipes are managed properly. The vending machine successfully provides the coffee as per the order and ensures smooth operation with proper payments and recipe maintenance.