(4) ## SRS - Coffee vending machine

Coffee vending machine is designed to dispense coffee in required quantity by collecting information such as type of coffee from the customer & estimating the price & quantity necessary for the preparation of particular type of coffee.

The machine collects types of coins from the customers & asks for the type of coffee to dispense.

classes with attributes & functions are follows :-

Controller :

Attributes : - id.

Function :
- dispense the product
- dispense the coin to the customer
- compare price of the coin to that of the product price
- check availability of the product
- update the product quantity after each dispense

Selection Panel :

Attributes :
- product name, status
- gets the product name from the customer

Function :

collect and count the coins from the customer.

Product dispenser :

Attributes :

- product , quantity.
- get the product name & its quantity.

Function — update the quantity of the product after each dispense
- retrieve the selected product.

Coin dispenser .

Attributes .

- count of coin

Function — dispense the remaining amount to the customer.