

4) Coffee Vending Machine

Problem statement :

The coffee vending machine is basically for the customers to buy coffee by themselves without any third person being involved. A coffee vending machine sells different types of coffee such as cappuccino, black coffee, cold coffee and latte.

Each type of coffee has a price and a name. A customer can buy their choice of coffee by selecting the button of their coffee & paying for the same through the coin box.

The Use cases of the System are:

- The controller should dispense the product, check availability of product, update product quality after each dispense.
- The selection panel sends the status of selected product.
- The coin collector should count the coins given by customer and keep track of it.
- Product dispenser should dispense the selected product.
- The price and quality of the product should be maintained.
- Coin dispenser should dispense the remaining amount to the customer.