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**Lab1:** Coffee Vending Machine SRS document.

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

The machine collects coin from the customer and asks for type of coffee to dispense.

Classes used with their respective attributes and functions are as follows:

**Controller :**

**Attributes:-id**

**Functions of the class:**

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

**SelectionPanel:**

**Attributes:-Product\_name, status**

**Functions of the class:**

- sends the status of selected product

**CoinCollector:**

**Attributes:** coinPrice,count

**Functions of the class:**

- count the coins
- giving it to the company

**ProductDispenser:**

**Attributes:-** product, quality

**Functions of the class:**

- dispense the selected product

**Product:**

**Attributes:-** price, quality

**Functions of the class:**

- choose product
- update the quantity of product after each dispense
- retrieve the selected product

**CoinDispenser:**

**Attributes:-** coincount

**Functions of the class:**

- dispense the remaining amount to the customer