

# 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 and paying for the same through the coin box.

## Software Requirement Specification

- The vending machine must have money box, coin slot, display screen and products i.e coffee for the machine to be used.
- The user on selecting a coffee, the coffee machine must be able to dispense the selected coffee to the user.
- The user shall get empty cup placed right below the filter. The user shall be able to ~~select~~ choose his preferred beverage from the list of options.
- There must be buttons (start, pause, stop, coffee, tea, milk) for user to interact with the system.
- The user shall be able to purchase one kind of available drink at a time and get back the exact change if he has put extra money. The user shall be able to quit the dispense of any

- beverage at any time during the dispensing
- The system shall check for properly inserted coins
- The system must accept coins of different amount and the system must compare the item cost with entered coins
- The system must check the validity of coins
- The system shall be able to detect the low amount of ingredients and low number of cups and indicate with an indicator