Coffee Vending Machine

Problem statement

Coffee Vending machine is basically for the customers to buy coffee by themselves without any third person being involved. It sells different types of coffee such as cappuccino, black, cold, latte, etc

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

SRS

The vending machine must have money box, coin slot, display screen and products ie coffee.

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 below the tap. The user shall be able to choose his preferred beverage from the list of options.

There must be buttons for user to interact with the system.

The user shall be able to purchase one kind of available drink at a time & get back the exact change if he has put extra money. User can also quit anywhere in between.

System shall check for properly inserted coins.

System shall be able to dispense coffee after a coin has been inserted.

The system must accept coins of diff amount & must compare the item cost with inserted coin.

System must check the validity of coin.

System shall be able to detect the low amount of ingredients & low number of cups & indicate with LED.