**Assumptions**

* Only 20 cans of drink can be inside machine at a time
* Credit card transaction is just a placeholder to store amount in different bucket, most of the functions are same as a cash transaction
* Number of stock available is total cans, it does not consider how many cans of a flavour are left. It only considers total cans left.
* Price of a can is 4.5$ for any can of drink.
* Only 1 can of drink can be purchased at a time.

**How to Use**

**To Purchase a can,**

User clicks purchase under the drink they want.

An option to pay by cash or card appears, once cash/card is selected, user is asked to enter amount.

If amount entered is less than price of item, money is refunded, and error message is shown.

If amount entered is more than price, a can and refund amount is ejected from the machine.

If exact amount is entered no refund is given but a can is ejected.

**To Restock Cans,**

Restock button is clicked.

A textbox appears to enter number of cans you want to restock.

If restock total (including left cans) is more than 20 error appears as vending machine can only hold 20 cans at a time.

If restock total (including left cans) is less than or equal to 20. Restock complete message appears and left cans, sold cans, cash earned, credit earned is set to 0.

**NOTE: At anytime if user want to abort the process, there is a home button on top**