

## Module: CST 1510- Programming for

### **Data Communication and Networks**

2020 September Intake

# Final Coursework – Vending Machine Running Intruction

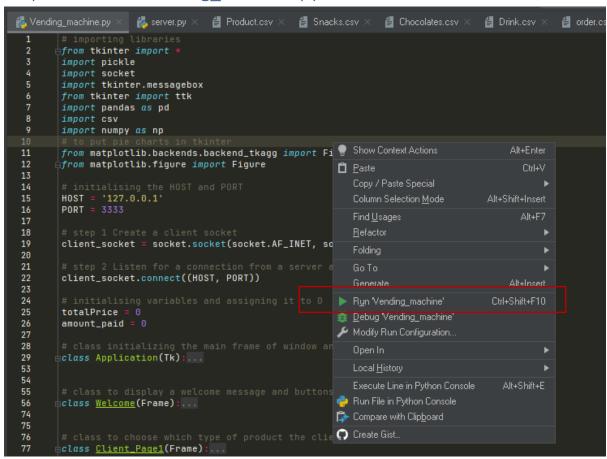
Student Number: M00734701

Due Date: 9th April 2021

#### Step 1: Run the server.py

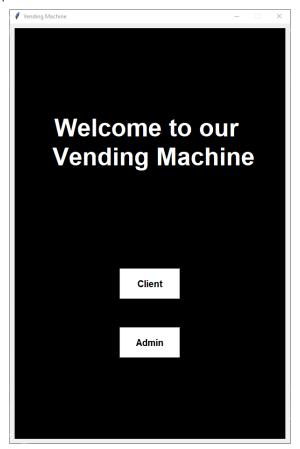
```
Coursework- CST1510 > 🐔 server.py
                          🐍 server.py 🗵
                                         🚦 Product.csv 🗵
                                                          🛔 Snacks.csv 🗵
                                                                           🛔 Chocolates.csv 🗵
                                                                                              📋 Drink.esy
   {}_{lacktrell}^{lacktree} Vending_machine.py 	imes
           import socket
   2
           import pickle
   3
           from _thread import *
           import csv
   5
                                                          Show Context Actions
                                                                                           Alt+Enter
   6
                                                          Paste
           HOST = '127.0.0.1'
                                                             Copy / Paste Special
           PORT = 3333
   8
                                                             Column Selection Mode
                                                                                       Alt+Shift+Insert
   9
                                                             Find Usages
                                                                                              Alt+F7
  10
  11
                                                             Refactor 1
           def thread(client_socket):
  12
                                                             Folding
  13
                try:
                                                             Go To
                     while True:
  14
                                                                                           Alt+Insert
  15
                          with open('Product.csv'
                                                                                        Ctrl+Shift+F10
  16
                               content = csv.reader <u>a</u> Debug'server
  17
                               list_product = list(( >> Modify Run Configuration...
  18
  19
  20
                                                             Local History
  21
                          list_order = pickle.loads
  22
                                                             Execute Line in Python Console
                                                                                          Alt+Shift+E
  23
                                                          🥏 Run File in Python Console
  24
                                                         Compare with Clipboard
                          with open('Product.csv',
  25
                               26
                                                                                                     odu
  27
                               updated.write('\n')
  28
                          with open('Product.csv', 'a', newline='') αs updated_file:
  29
```

Step 2: Run the Vending machine.py



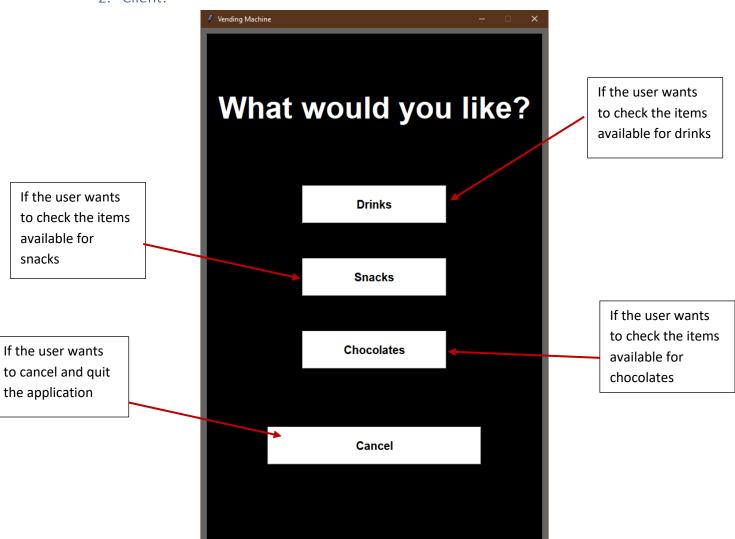
How to use the application:

#### 1. Welcome Page:



If the user wants to buy product, he is invited to click on the button **Client**. If he wants to check the order and update it, he can click on the button **Admin**, but only if he has the credentials (username and password).

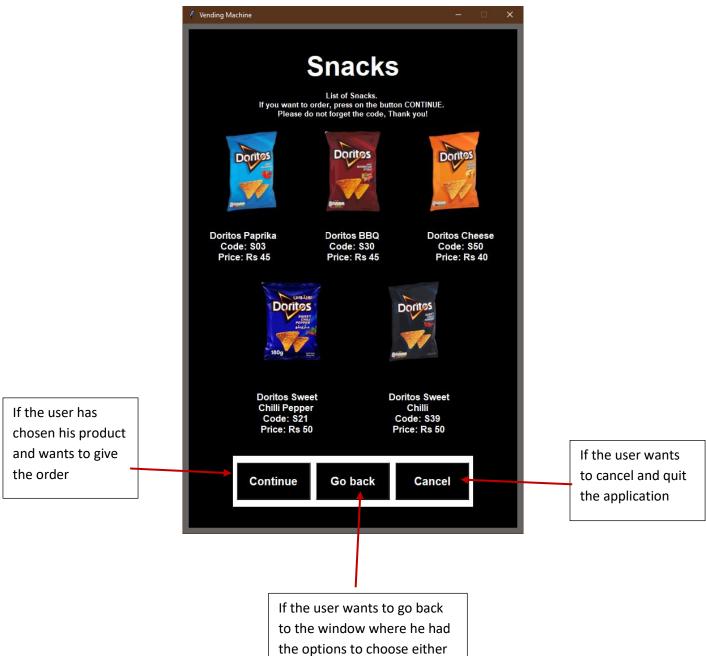
#### 2. Client:



#### 2.1. Drinks:

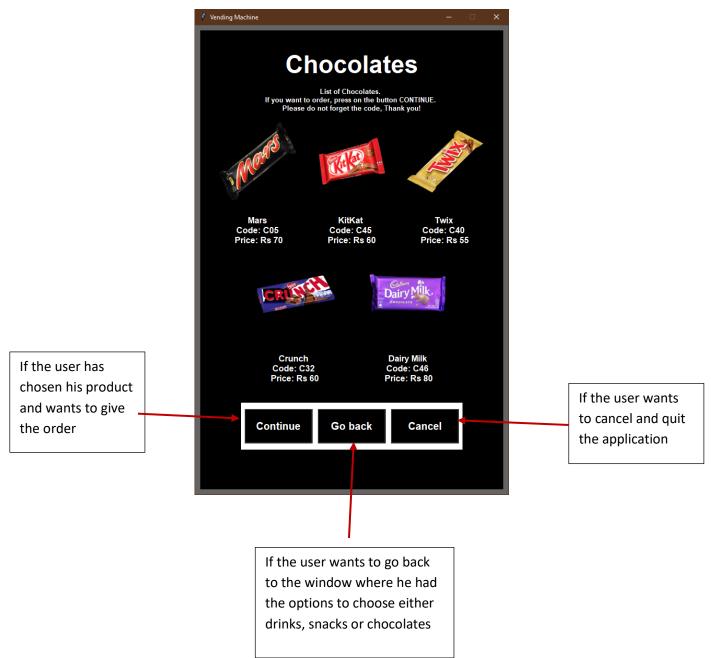


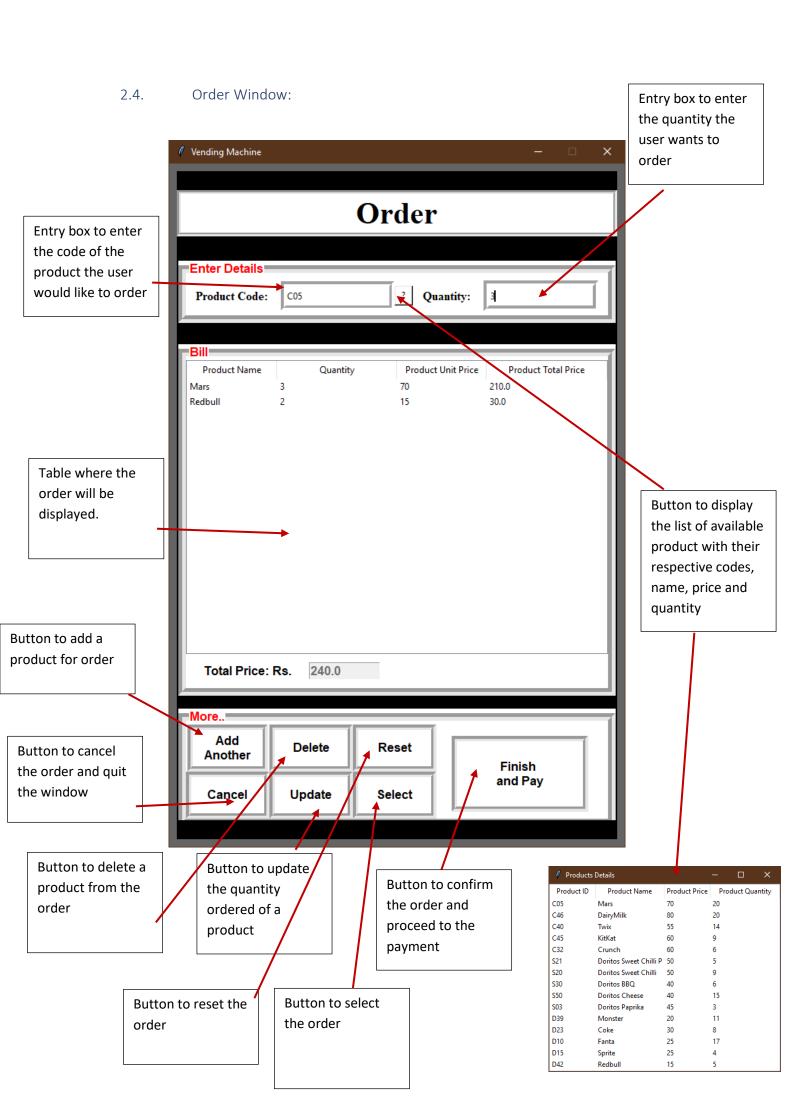
#### 2.2. Snacks



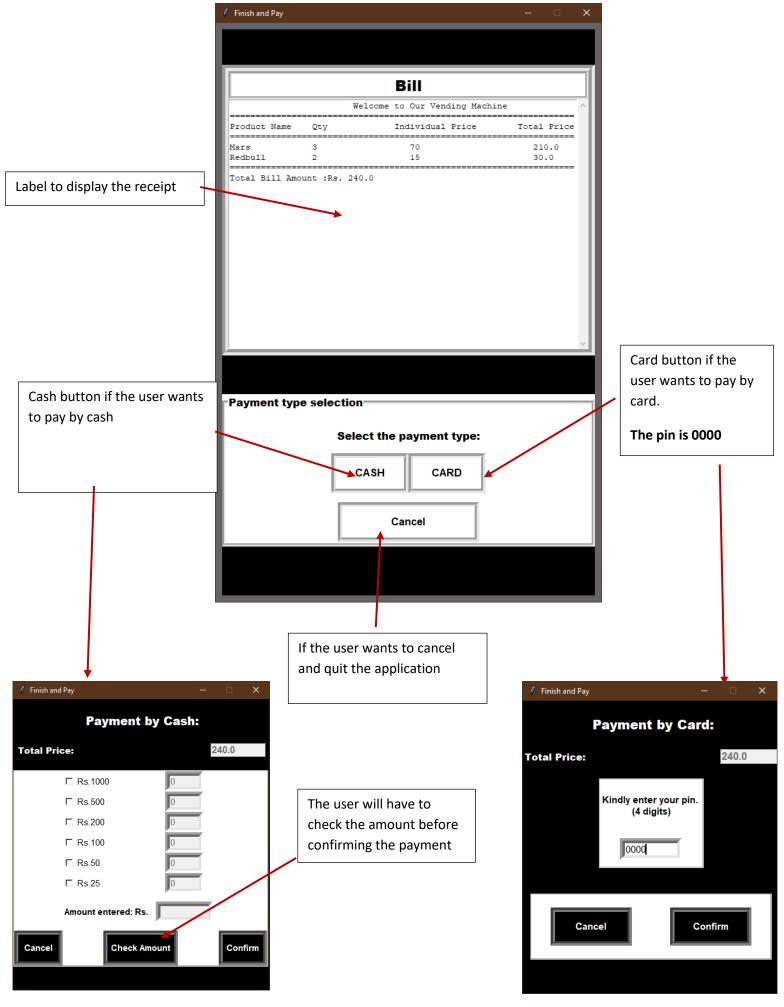
drinks, snacks or chocolates

#### 2.3. Chocolates

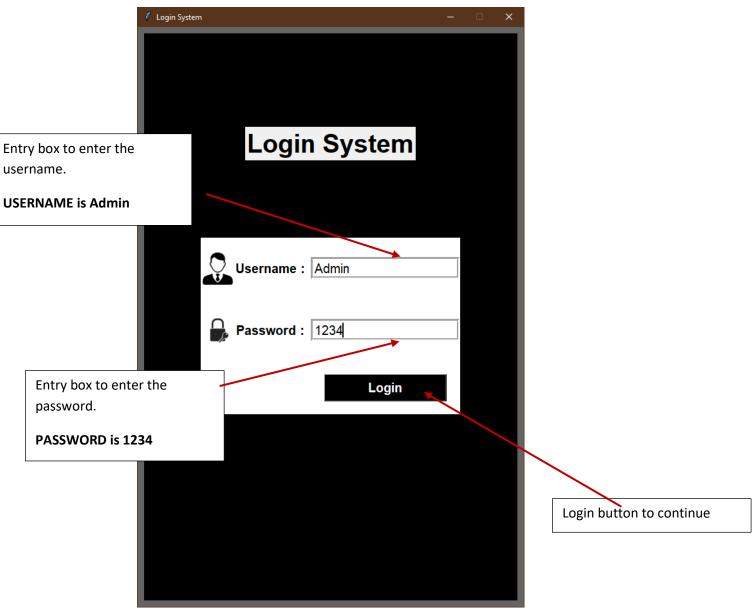




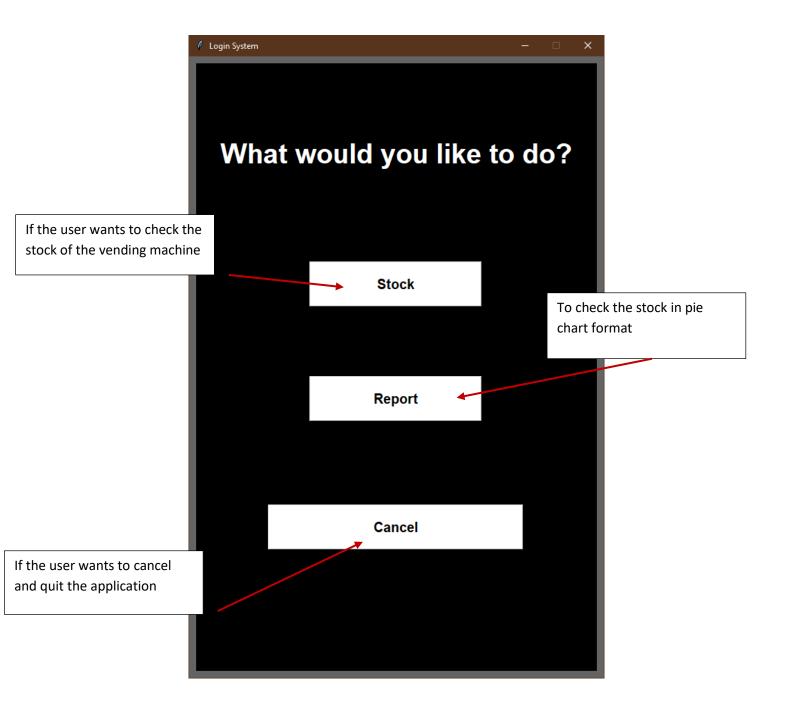




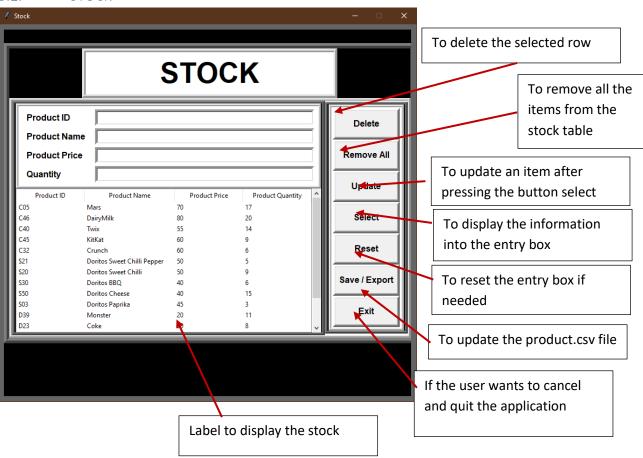
#### 3. Admin



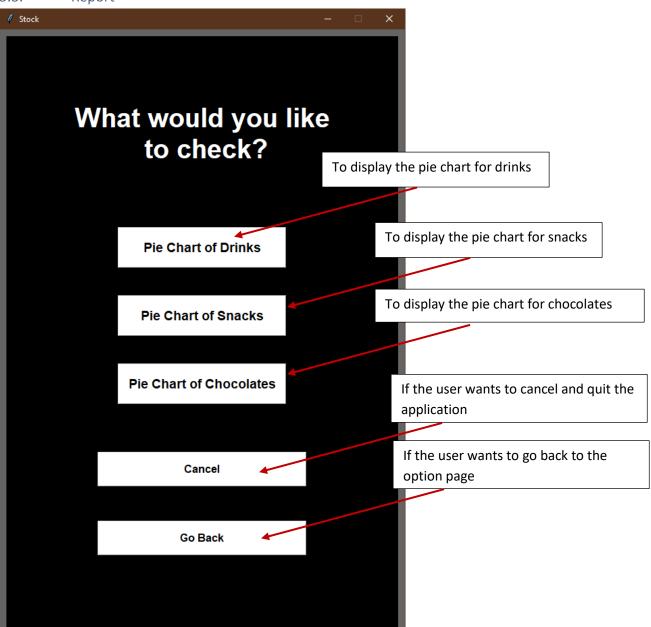
#### 3.1. Window for admin to chose between stock and report



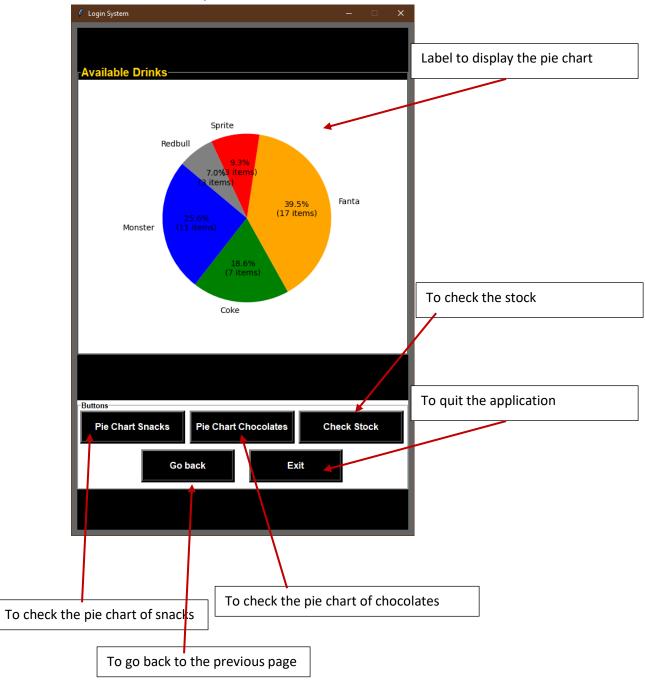
#### 3.2. STOCK



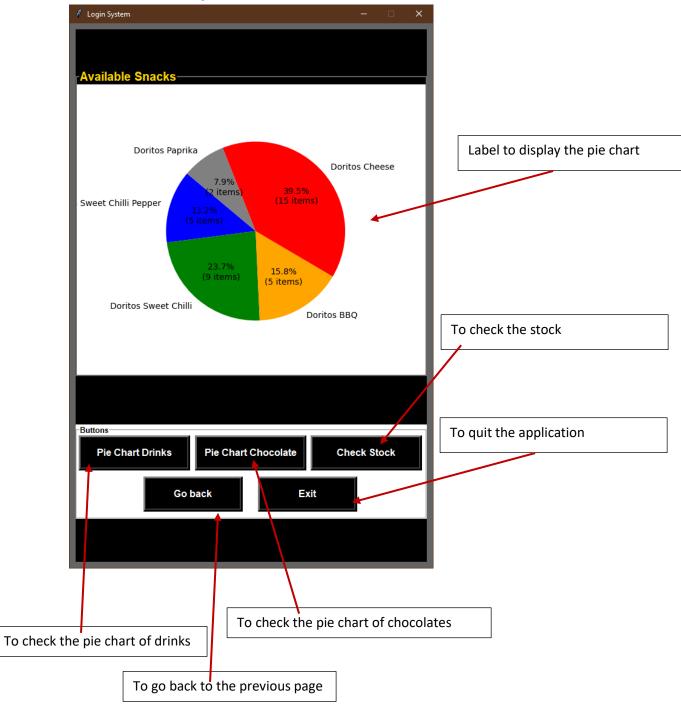
#### 3.3. Report



#### 3.3.1. Pie chart of Drinks



#### 3.3.2. Pie chart of Snacks



#### *3.3.3.* Pie chart of Chocolates

