

## Project Report On

# SMART CAFÉ

## ABSTRACT

### SMART CAFE

The main aim of smart café mini project is to buy products from respective restaurant. We aim to demonstrate the use of customer ,update and delete nosql operations through this project. The project starts by adding a item id, item name and item price.

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## **Chapter 1**

# **INTRODUCTION**

The main aim of smart café mini project is to buy products from respective restaurant. We aim to demonstrate the use of customer ,update and delete nosql operations through this project. The project starts by adding a item id, item name and item price.

## Chapter 2

### ABOUT SMART CAFÉ

A café is a type of restaurant which typically serves coffee and tea, in addition to light refreshments such as baked goods or snacks. The work process will become easy and no chance for any wrong things. The money transaction will become easy for customers.

#### Modules

- **Customer**
- **Update**
- **Delete stock**

#### Customer Module

In these module the customer will enter how much amount he has and he will give the item id what he want and it make bill and show the remaining amount and the numbers of products we may buy with the left amount . He may search the items and he may return back to the original

#### Update Module

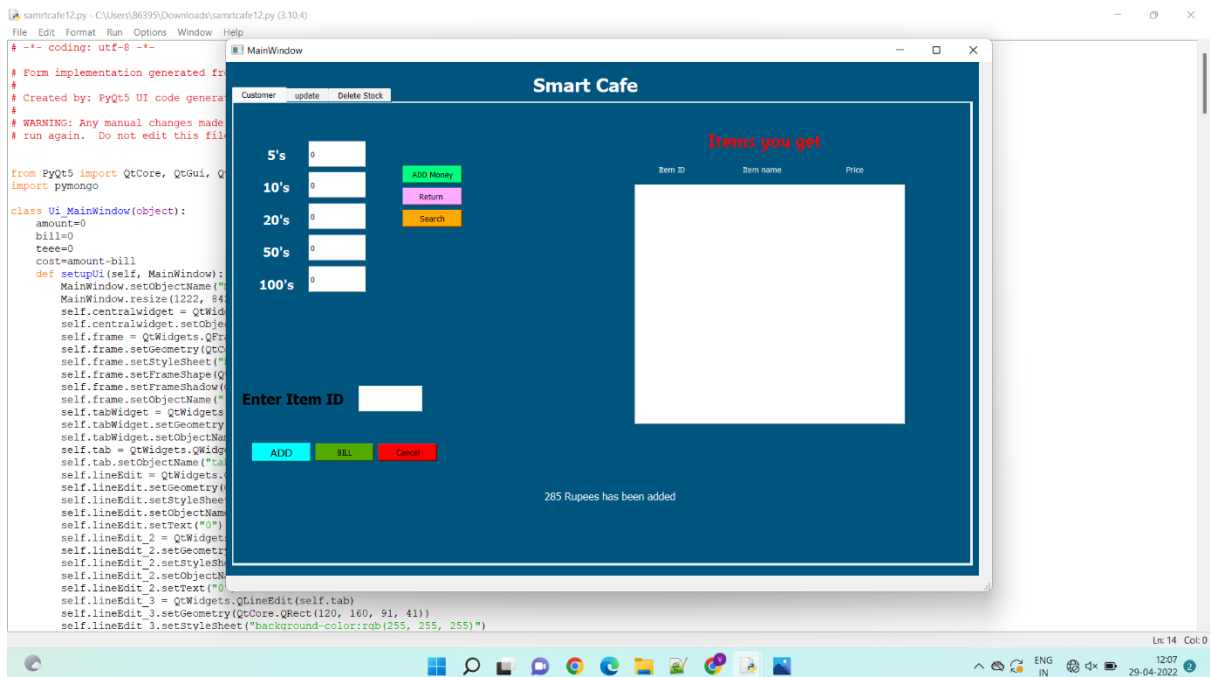
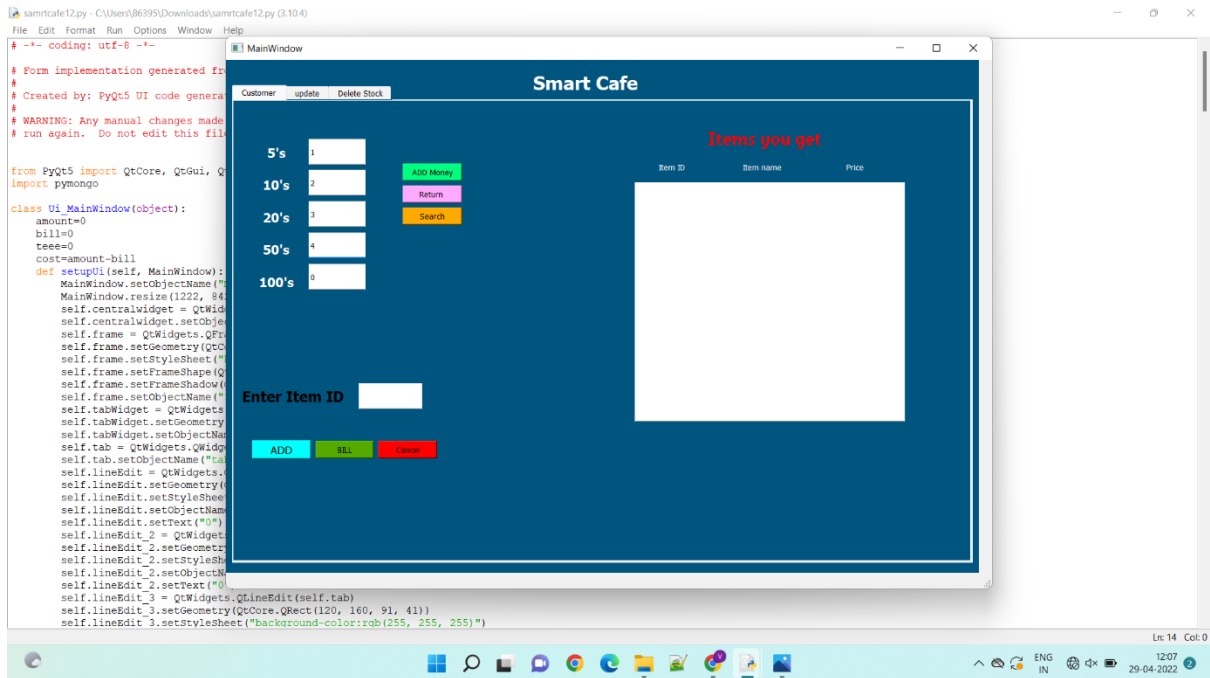
In update module ,we can give item id and we can update the item price or we can add the new items and prices for it and we can see the over all data.

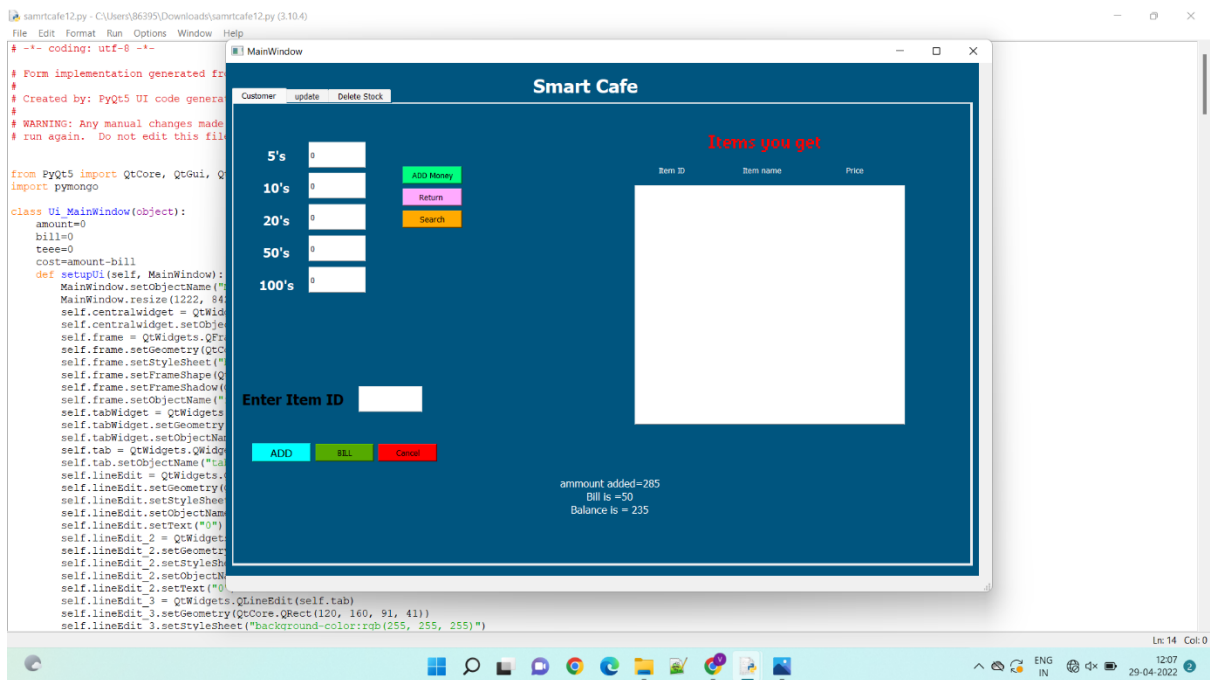
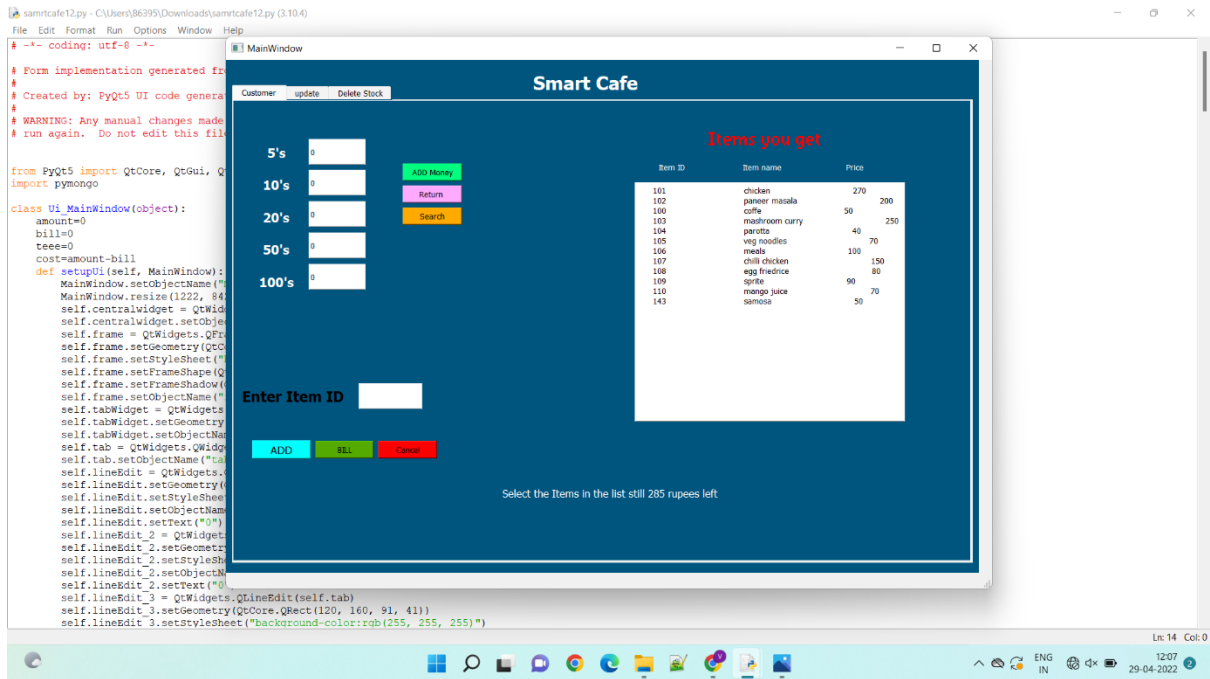
#### Delete Stock

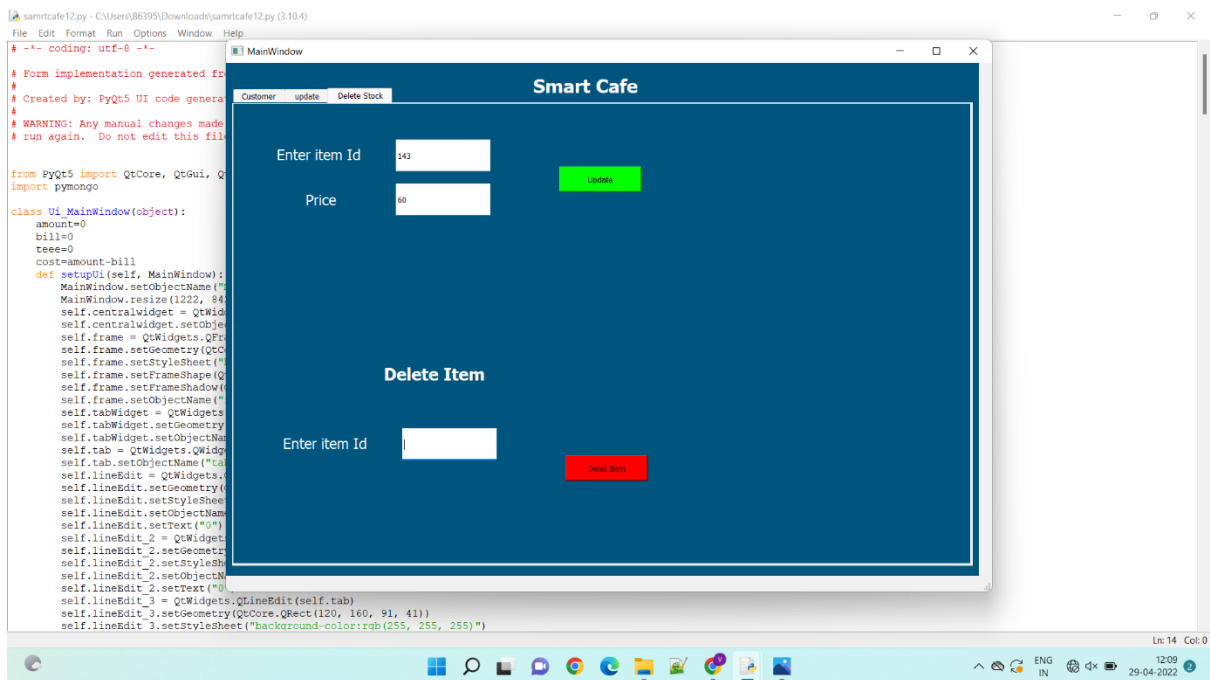
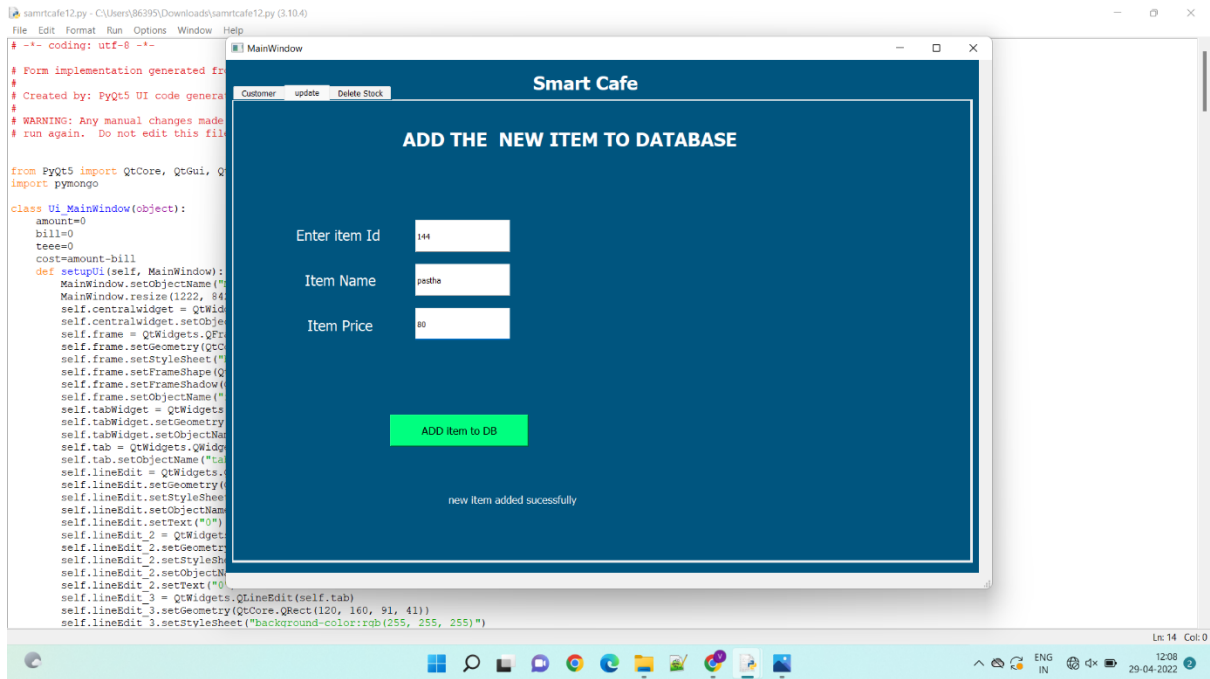
In delete stock ,we can delete the items whatever we want and check all the values and we can see the values.

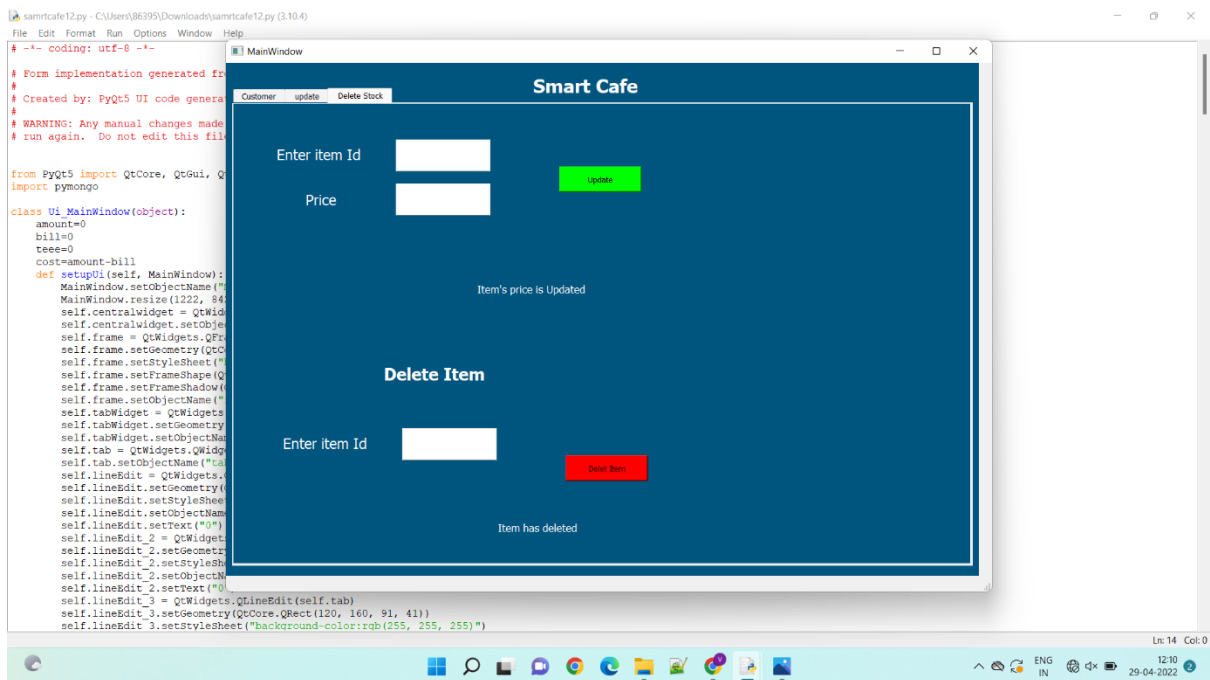
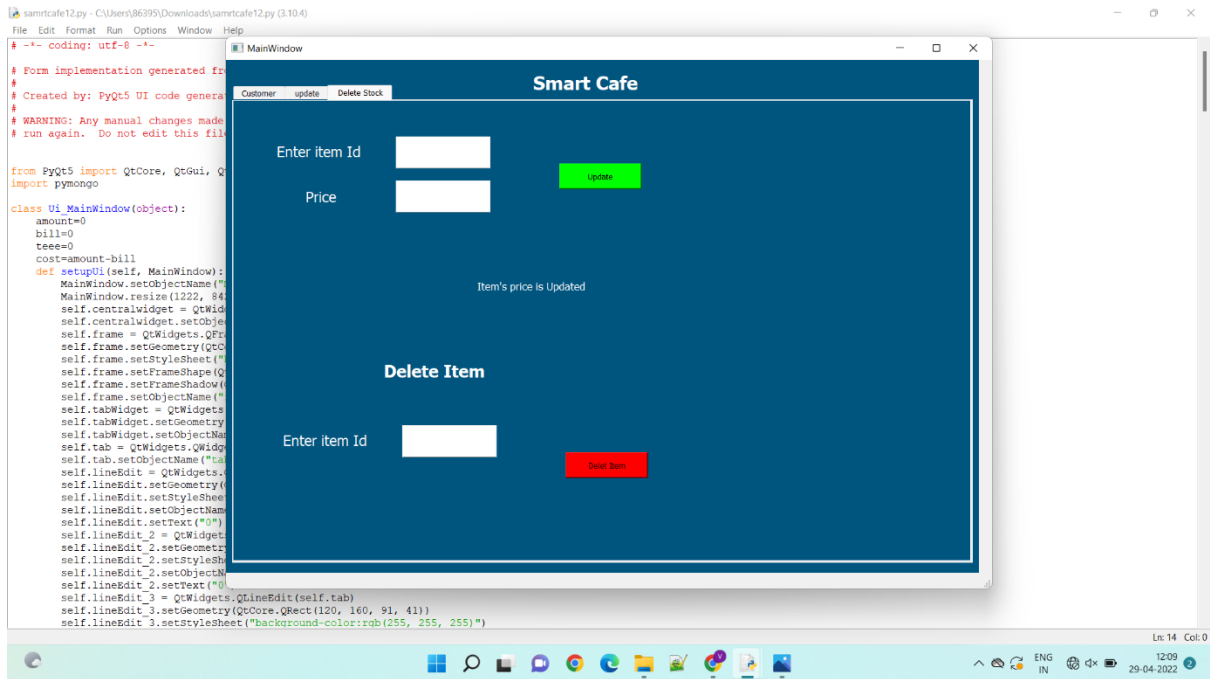
## Chapter 3

# Output Screenshots









```
Select C:\Windows\System32\cmd.exe - mongo
Microsoft Windows [Version 10.0.22000.556]
(c) Microsoft Corporation. All rights reserved.

C:\Program Files\MongoDB\Server\5.0\bin>mongo
MongoDB shell version v5.0.7
connecting to: mongodb://127.0.0.1:27017/?compressors=disabled&gssapiServiceName=mongodb
Implicit session: session { "id" : UUID("402e908f-0b67-48e5-9ffd-44c46ac898b6") }
MongoDB server version: 5.0.7

Warning: the "mongo" shell has been superseded by "mongosh",
which delivers improved usability and compatibility. The "mongo" shell has been deprecated and will be removed in
an upcoming release.
For installation instructions, see
https://docs.mongodb.com/mongodb-shell/install/

Welcome to the MongoDB shell.
For interactive help, type "help".
For more comprehensive documentation, see
https://docs.mongodb.com/
Questions? Try the MongoDB Developer Community Forums
https://community.mongodb.com

The server generated these startup warnings when booting:
2022-04-19T21:56:35.602+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted

Enable MongoDB's free cloud-based monitoring service, which will then receive and display
metrics about your deployment (disk utilization, CPU, operation statistics, etc).

The monitoring data will be available on a MongoDB website with a unique URL accessible to you
and anyone you share the URL with. MongoDB may use this information to make product
improvements and to suggest MongoDB products and deployment options to you.

To enable free monitoring, run the following command: db.enableFreeMonitoring()
To permanently disable this reminder, run the following command: db.disableFreeMonitoring()

> show dbs
admin 0.000GB
config 0.000GB
local 0.000GB
> show dbs
admin 0.000GB
config 0.000GB
items 0.000GB
local 0.000GB
> use items
switched to db items
> db.items.find()
{ "_id" : ObjectId("625ef35f894d939941045a96"), "id" : 420, "name" : "pakodi", "price" : 20 }
```

```
Select C:\Windows\System32\cmd.exe - mongo

Welcome to the MongoDB shell.
For interactive help, type "help".
For more comprehensive documentation, see
https://docs.mongodb.com/
Questions? Try the MongoDB Developer Community Forums
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> show dbs
admin 0.000GB
config 0.000GB
local 0.000GB
> show dbs
admin 0.000GB
config 0.000GB
items 0.000GB
local 0.000GB
> use items
switched to db items
> db.items.find()
{ "_id" : ObjectId("625ef35f894d939941045a96"), "id" : 420, "name" : "pakodi", "price" : 20 }
{ "_id" : ObjectId("625ef374894d939941045a98"), "id" : 421, "name" : "pulka", "price" : 100 }
{ "_id" : ObjectId("625ef39a894d939941045a9a"), "id" : 422, "name" : "coffe", "price" : 15 }
{ "_id" : ObjectId("625ef3bd894d939941045a9c"), "id" : 423, "name" : "chicken", "price" : NumberLong("1000000000000000") }
> db.items.find()
{ "_id" : ObjectId("625ef35f894d939941045a96"), "id" : 420, "name" : "pakodi", "price" : 20 }
{ "_id" : ObjectId("625ef374894d939941045a98"), "id" : 421, "name" : "pulka", "price" : 1000 }
{ "_id" : ObjectId("625ef39a894d939941045a9a"), "id" : 422, "name" : "coffe", "price" : 15 }
{ "_id" : ObjectId("625ef3bd894d939941045a9c"), "id" : 423, "name" : "chicken", "price" : NumberLong("1000000000000000") }
> db.items.find()
{ "_id" : ObjectId("625ef35f894d939941045a96"), "id" : 420, "name" : "pakodi", "price" : 20 }
{ "_id" : ObjectId("625ef374894d939941045a98"), "id" : 421, "name" : "pulka", "price" : 1000 }
{ "_id" : ObjectId("625ef39a894d939941045a9a"), "id" : 422, "name" : "coffe", "price" : 15 }
{ "_id" : ObjectId("625ef3bd894d939941045a9c"), "id" : 423, "name" : "chicken", "price" : NumberLong("1000000000000000") }
```

## Chapter 4

# CONCLUSION

In these smart cafe project we finally conclude that the customers may buy the products so easy and it is comfortable to the customers. They can get all bills and they can search or



return or update and delete .The customer may do anything whatever we want and the smart appliances or helpful in many ways.

## Appendices

### Source Code

```
# -- coding: utf-8 --

# Form implementation generated from reading ui file 'smartcafe111.ui'
#
# Created by: PyQt5 UI code generator 5.15.5
#
# WARNING: Any manual changes made to this file will be lost when pyuic5 is
# run again. Do not edit this file unless you know what you are doing.


from PyQt5 import QtCore, QtGui, QtWidgets
import pymongo

class Ui_MainWindow(object):
    amount=0
    bill=0
    teee=0
    cost=amount-bill
    def setupUi(self, MainWindow):
        MainWindow.setObjectName("MainWindow")
        MainWindow.resize(1222, 842)
        self.centralwidget = QtWidgets.QWidget(MainWindow)
```

```
self.centralwidget.setObjectName("centralwidget")
self.frame = QtWidgets.QFrame(self.centralwidget)
self.frame.setGeometry(QtCore.QRect(0, 0, 1201, 901))
self.frame.setStyleSheet("background-color: rgb(0, 85, 127);")
self.frame.setFrameShape(QtWidgets.QFrame.StyledPanel)
self.frame.setFrameShadow(QtWidgets.QFrame.Raised)
self.frame.setObjectName("frame")
self.tabWidget = QtWidgets.QTabWidget(self.frame)
self.tabWidget.setGeometry(QtCore.QRect(10, 40, 1181, 761))
self.tabWidget.setObjectName("tabWidget")
self.tab = QtWidgets.QWidget()
self.tab.setObjectName("tab")
self.lineEdit = QtWidgets.QLineEdit(self.tab)
self.lineEdit.setGeometry(QtCore.QRect(120, 61, 91, 41))
self.lineEdit.setStyleSheet("background-color:rgb(255, 255, 255)")
self.lineEdit.setObjectName("lineEdit")
self.lineEdit.setText("0")
self.lineEdit_2 = QtWidgets.QLineEdit(self.tab)
self.lineEdit_2.setGeometry(QtCore.QRect(120, 110, 91, 41))
self.lineEdit_2.setStyleSheet("background-color:rgb(255, 255, 255)")
self.lineEdit_2.setObjectName("lineEdit_2")
self.lineEdit_2.setText("0")
self.lineEdit_3 = QtWidgets.QLineEdit(self.tab)
self.lineEdit_3.setGeometry(QtCore.QRect(120, 160, 91, 41))
self.lineEdit_3.setStyleSheet("background-color:rgb(255, 255, 255)")
self.lineEdit_3.setObjectName("lineEdit_3")
self.lineEdit_3.setText("0")
self.lineEdit_4 = QtWidgets.QLineEdit(self.tab)
self.lineEdit_4.setGeometry(QtCore.QRect(120, 210, 91, 41))
self.lineEdit_4.setStyleSheet("background-color:rgb(255, 255, 255)")
```

```
self.lineEdit_4.setObjectName("lineEdit_4")
self.lineEdit_4.setText("0")
self.lineEdit_5 = QtWidgets.QLineEdit(self.tab)
self.lineEdit_5.setGeometry(QtCore.QRect(120, 260, 91, 41))
self.lineEdit_5.setStyleSheet("background-color:rgb(255, 255, 255)")
self.lineEdit_5.setObjectName("lineEdit_5")
self.lineEdit_5.setText("0")
self.label_20 = QtWidgets.QLabel(self.tab)
self.label_20.setGeometry(QtCore.QRect(700, 40, 291, 41))
font = QtGui.QFont()
font.setFamily("MS Serif")
font.setPointSize(16)
font.setBold(True)
font.setWeight(75)
self.label_20.setFont(font)
self.label_20.setStyleSheet("color: rgb(255, 0, 0);")
self.label_20.setAlignment(QtCore.Qt.AlignCenter)
self.label_20.setObjectName("label_20")
self.textEdit = QtWidgets.QTextEdit(self.tab)
self.textEdit.setGeometry(QtCore.QRect(640, 130, 431, 381))
self.textEdit.setStyleSheet("background-color: rgb(255, 255, 255);")
self.textEdit.setObjectName("textEdit")
self.label_21 = QtWidgets.QLabel(self.tab)
self.label_21.setGeometry(QtCore.QRect(10, 450, 171, 41))
font = QtGui.QFont()
font.setPointSize(14)
font.setBold(True)
font.setWeight(75)
self.label_21.setFont(font)
self.label_21.setStyleSheet("background-color: qlineargradient(spread:pad, x1:0, y1:0,
x2:1, y2:0, stop:1 rgba(0, 0, 0, 0));")
```

```
self.label_21.setAlignment(QtCore.Qt.AlignCenter)
self.label_21.setObjectName("label_21")
self.lineEdit_13 = QtWidgets.QLineEdit(self.tab)
self.lineEdit_13.setGeometry(QtCore.QRect(200, 450, 101, 41))
self.lineEdit_13.setStyleSheet("background-color:rgb(255, 255, 255)")
self.lineEdit_13.setObjectName("lineEdit_13")
self.label_34 = QtWidgets.QLabel(self.tab)
self.label_34.setGeometry(QtCore.QRect(290, 585, 621, 81))
font = QtGui.QFont()
font.setPointSize(10)
self.label_34.setFont(font)
self.label_34.setStyleSheet("background-color: qlineargradient(spread:pad, x1:0, y1:0,
x2:1, y2:0, stop:0.577114 rgba(255, 255, 255, 0), stop:1 rgba(255, 255, 255, 0));\n"
"color: rgb(255, 255, 255);")
self.label_34.setText("")
self.label_34.setAlignment(QtCore.Qt.AlignCenter)
self.label_34.setObjectName("label_34")
self.widget = QtWidgets.QWidget(self.tab)
self.widget.setGeometry(QtCore.QRect(40, 60, 57, 251))
self.widget.setObjectName("widget")
self.verticalLayout = QtWidgets.QVBoxLayout(self.widget)
self.verticalLayout.setContentsMargins(0, 0, 0, 0)
self.verticalLayout.setObjectName("verticalLayout")
self.label_2 = QtWidgets.QLabel(self.widget)
font = QtGui.QFont()
font.setPointSize(12)
font.setBold(True)
font.setWeight(75)
self.label_2.setFont(font)
self.label_2.setStyleSheet("color:rgb(255, 255, 255)")
self.label_2.setAlignment(QtCore.Qt.AlignCenter)
```

```
self.label_2.setObjectName("label_2")
self.verticalLayout.addWidget(self.label_2)
self.label_3 = QtWidgets.QLabel(self.widget)
font = QtGui.QFont()
font.setPointSize(12)
font.setBold(True)
font.setWeight(75)
self.label_3.setFont(font)
self.label_3.setStyleSheet("color:rgb(255, 255, 255)")
self.label_3.setAlignment(QtCore.Qt.AlignCenter)
self.label_3.setObjectName("label_3")
self.verticalLayout.addWidget(self.label_3)
self.label_4 = QtWidgets.QLabel(self.widget)
font = QtGui.QFont()
font.setPointSize(12)
font.setBold(True)
font.setWeight(75)
self.label_4.setFont(font)
self.label_4.setStyleSheet("color:rgb(255, 255, 255)")
self.label_4.setAlignment(QtCore.Qt.AlignCenter)
self.label_4.setObjectName("label_4")
self.verticalLayout.addWidget(self.label_4)
self.label_5 = QtWidgets.QLabel(self.widget)
font = QtGui.QFont()
font.setPointSize(12)
font.setBold(True)
font.setWeight(75)
self.label_5.setFont(font)
self.label_5.setStyleSheet("color:rgb(255, 255, 255)")
self.label_5.setAlignment(QtCore.Qt.AlignCenter)
```

```
self.label_5.setObjectName("label_5")
self.verticalLayout.addWidget(self.label_5)
self.label_6 = QtWidgets.QLabel(self.widget)
font = QtGui.QFont()
font.setPointSize(12)
font.setBold(True)
font.setWeight(75)
self.label_6.setFont(font)
self.label_6.setStyleSheet("color:rgb(255, 255, 255)")
self.label_6.setAlignment(QtCore.Qt.AlignCenter)
self.label_6.setObjectName("label_6")
self.verticalLayout.addWidget(self.label_6)
self.widget1 = QtWidgets.QWidget(self.tab)
self.widget1.setGeometry(QtCore.QRect(630, 90, 431, 31))
self.widget1.setObjectName("widget1")
self.horizontalLayout = QtWidgets.QHBoxLayout(self.widget1)
self.horizontalLayout.setContentsMargins(0, 0, 0, 0)
self.horizontalLayout.setObjectName("horizontalLayout")
self.label_7 = QtWidgets.QLabel(self.widget1)
self.label_7.setStyleSheet("color:rgb(255, 255, 255)")
self.label_7.setAlignment(QtCore.Qt.AlignCenter)
self.label_7.setObjectName("label_7")
self.horizontalLayout.addWidget(self.label_7)
self.label_18 = QtWidgets.QLabel(self.widget1)
self.label_18.setStyleSheet("color: rgb(255, 255, 255);")
self.label_18.setAlignment(QtCore.Qt.AlignCenter)
self.label_18.setObjectName("label_18")
self.horizontalLayout.addWidget(self.label_18)
self.label_19 = QtWidgets.QLabel(self.widget1)
self.label_19.setStyleSheet("color:rgb(255, 255, 255)")
```

```
self.label_19.setAlignment(QtCore.Qt.AlignCenter)
self.label_19.setObjectName("label_19")
self.horizontalLayout.addWidget(self.label_19)
self.widget2 = QtWidgets.QWidget(self.tab)
self.widget2.setGeometry(QtCore.QRect(270, 100, 95, 100))
self.widget2.setObjectName("widget2")
self.verticalLayout_4 = QtWidgets.QVBoxLayout(self.widget2)
self.verticalLayout_4.setContentsMargins(0, 0, 0, 0)
self.verticalLayout_4.setObjectName("verticalLayout_4")
self.pushButton_8 = QtWidgets.QPushButton(self.widget2)
self.pushButton_8.setStyleSheet("background-color: rgb(0, 255, 127);")
self.pushButton_8.setObjectName("pushButton_8")
self.verticalLayout_4.addWidget(self.pushButton_8)
self.pushButton_9 = QtWidgets.QPushButton(self.widget2)
self.pushButton_9.setStyleSheet("background-color: rgb(255, 170, 255);")
self.pushButton_9.setObjectName("pushButton_9")
self.verticalLayout_4.addWidget(self.pushButton_9)
self.pushButton_7 = QtWidgets.QPushButton(self.widget2)
self.pushButton_7.setStyleSheet("background-color: rgb(255, 170, 0);")
self.pushButton_7.setObjectName("pushButton_7")
self.verticalLayout_4.addWidget(self.pushButton_7)
self.widget3 = QtWidgets.QWidget(self.tab)
self.widget3.setGeometry(QtCore.QRect(30, 540, 295, 32))
self.widget3.setObjectName("widget3")
self.gridLayout = QtWidgets.QGridLayout(self.widget3)
self.gridLayout.setContentsMargins(0, 0, 0, 0)
self.gridLayout.setObjectName("gridLayout")
self.pushButton = QtWidgets.QPushButton(self.widget3)
font = QtGui.QFont()
font.setPointSize(10)
```

```

self.pushButton.setFont(font)
self.pushButton.setStyleSheet("background-color: rgb(0, 255, 255);")
self.pushButton.setObjectName("pushButton")
self.gridLayout.addWidget(self.pushButton, 0, 0, 1, 1)
self.pushButton_2 = QtWidgets.QPushButton(self.widget3)
self.pushButton_2.setStyleSheet("background-color: rgb(85, 170, 0);")
self.pushButton_2.setObjectName("pushButton_2")
self.gridLayout.addWidget(self.pushButton_2, 0, 1, 1, 1)
self.pushButton_3 = QtWidgets.QPushButton(self.widget3)
self.pushButton_3.setStyleSheet("background-color: rgb(255, 0, 0);")
self.pushButton_3.setObjectName("pushButton_3")
self.gridLayout.addWidget(self.pushButton_3, 0, 2, 1, 1)
self.tabWidget.addTab(self.tab, "")
self.tab_2 = QtWidgets.QWidget()
self.tab_2.setObjectName("tab_2")
self.label_35 = QtWidgets.QLabel(self.tab_2)
self.label_35.setGeometry(QtCore.QRect(91, 181, 159, 65))
font = QtGui.QFont()
font.setPointSize(14)
self.label_35.setFont(font)
self.label_35.setStyleSheet("color: rgb(255, 255, 255);\n"
"background-color: qlineargradient(spread:pad, x1:0, y1:0, x2:1, y2:0, stop:0.577114\n"
"rgba(255, 255, 255, 0), stop:1 rgba(255, 255, 255, 0));")
self.label_35.setAlignment(QtCore.Qt.AlignCenter)
self.label_35.setObjectName("label_35")
self.label_36 = QtWidgets.QLabel(self.tab_2)
self.label_36.setGeometry(QtCore.QRect(91, 253, 159, 65))
font = QtGui.QFont()
font.setPointSize(14)
self.label_36.setFont(font)
self.label_36.setStyleSheet("color: rgb(255, 255, 255);\n"

```



```
"background-color: qlineargradient(spread:pad, x1:0, y1:0, x2:1, y2:0, stop:0.577114  
rgba(255, 255, 255, 0), stop:1 rgba(255, 255, 255, 0));")
```

```
self.label_36.setAlignment(QtCore.Qt.AlignCenter)
```

```
self.label_36.setObjectName("label_36")
```

```
self.label_37 = QtWidgets.QLabel(self.tab_2)
```

```
self.label_37.setGeometry(QtCore.QRect(91, 325, 159, 65))
```

```
font = QtGui.QFont()
```

```
font.setPointSize(14)
```

```
self.label_37.setFont(font)
```

```
self.label_37.setStyleSheet("color: rgb(255, 255, 255);\n"
```

```
"background-color: qlineargradient(spread:pad, x1:0, y1:0, x2:1, y2:0, stop:0.577114  
rgba(255, 255, 255, 0), stop:1 rgba(255, 255, 255, 0));")
```

```
self.label_37.setAlignment(QtCore.Qt.AlignCenter)
```

```
self.label_37.setObjectName("label_37")
```

```
self.lineEdit_21 = QtWidgets.QLineEdit(self.tab_2)
```

```
self.lineEdit_21.setGeometry(QtCore.QRect(290, 190, 151, 51))
```

```
self.lineEdit_21.setStyleSheet("background-color: rgb(255, 255, 255);")
```

```
self.lineEdit_21.setObjectName("lineEdit_21")
```

```
self.lineEdit_22 = QtWidgets.QLineEdit(self.tab_2)
```

```
self.lineEdit_22.setGeometry(QtCore.QRect(290, 260, 151, 51))
```

```
self.lineEdit_22.setStyleSheet("background-color: rgb(255, 255, 255);")
```

```
self.lineEdit_22.setObjectName("lineEdit_22")
```

```
self.lineEdit_23 = QtWidgets.QLineEdit(self.tab_2)
```

```
self.lineEdit_23.setGeometry(QtCore.QRect(290, 330, 151, 51))
```

```
self.lineEdit_23.setStyleSheet("background-color: rgb(255, 255, 255);")
```

```
self.lineEdit_23.setObjectName("lineEdit_23")
```

```
self.pushButton_10 = QtWidgets.QPushButton(self.tab_2)
```

```
self.pushButton_10.setGeometry(QtCore.QRect(250, 500, 221, 51))
```

```
font = QtGui.QFont()
```

```
font.setPointSize(10)
```

```
self.pushButton_10.setFont(font)
```

```

        self.pushButton_10.setStyleSheet("background-color: rgb(0, 255, 127);\n"
"\n"
"color: rgb(0, 0, 0);")

        self.pushButton_10.setObjectName("pushButton_10")
        self.label_38 = QtWidgets.QLabel(self.tab_2)
        self.label_38.setGeometry(QtCore.QRect(270, 20, 571, 81))
        font = QtGui.QFont()
        font.setPointSize(18)
        font.setBold(True)
        font.setWeight(75)
        self.label_38.setFont(font)
        self.label_38.setStyleSheet("color: rgb(255, 255, 255);\n"
"background-color: qlineargradient(spread:pad, x1:0, y1:0, x2:1, y2:0, stop:0.577114\n"
"rgba(255, 255, 255, 0), stop:1 rgba(255, 255, 255, 0));")
        self.label_38.setObjectName("label_38")
        self.label_61 = QtWidgets.QLabel(self.tab_2)
        self.label_61.setGeometry(QtCore.QRect(80, 600, 731, 71))
        font = QtGui.QFont()
        font.setPointSize(10)
        self.label_61.setFont(font)
        self.label_61.setStyleSheet("color: rgb(255, 255, 255);\n"
"background-color: qlineargradient(spread:pad, x1:0, y1:0, x2:1, y2:0, stop:0 rgba(0, 0, 0, 0),\n"
"stop:1 rgba(0, 0, 0, 0));")
        self.label_61.setText("")
        self.label_61.setAlignment(QtCore.Qt.AlignCenter)
        self.label_61.setObjectName("label_61")
        self.tabWidget.addTab(self.tab_2, "")
        self.tab_3 = QtWidgets.QWidget()
        self.tab_3.setObjectName("tab_3")
        self.label_10 = QtWidgets.QLabel(self.tab_3)
        self.label_10.setGeometry(QtCore.QRect(240, 410, 311, 41))

```

```

font = QtGui.QFont()
font.setPointSize(16)
font.setBold(True)
font.setWeight(75)
self.label_10.setFont(font)
self.label_10.setStyleSheet("color: rgb(255, 255, 255);")
self.label_10.setObjectName("label_10")
self.delete_2 = QtWidgets.QPushButton(self.tab_3)
self.delete_2.setGeometry(QtCore.QRect(520, 100, 131, 41))
self.delete_2.setStyleSheet("background-color: rgb(0, 255, 0);")
self.delete_2.setObjectName("delete_2")
self.label_58 = QtWidgets.QLabel(self.tab_3)
self.label_58.setGeometry(QtCore.QRect(60, 120, 159, 65))
font = QtGui.QFont()
font.setPointSize(14)
self.label_58.setFont(font)
self.label_58.setStyleSheet("color: rgb(255, 255, 255);\n"
"background-color: qlineargradient(spread:pad, x1:0, y1:0, x2:1, y2:0, stop:0.577114\n"
"rgba(255, 255, 255, 0), stop:1 rgba(255, 255, 255, 0));")
self.label_58.setAlignment(QtCore.Qt.AlignCenter)
self.label_58.setObjectName("label_58")
self.lineEdit_36 = QtWidgets.QLineEdit(self.tab_3)
self.lineEdit_36.setGeometry(QtCore.QRect(259, 57, 151, 51))
self.lineEdit_36.setStyleSheet("background-color: rgb(255, 255, 255);")
self.lineEdit_36.setObjectName("lineEdit_36")
self.label_59 = QtWidgets.QLabel(self.tab_3)
self.label_59.setGeometry(QtCore.QRect(60, 48, 159, 65))
font = QtGui.QFont()
font.setPointSize(14)
self.label_59.setFont(font)
self.label_59.setStyleSheet("color: rgb(255, 255, 255);\n"

```

```
"background-color: qlineargradient(spread:pad, x1:0, y1:0, x2:1, y2:0, stop:0.577114  
rgba(255, 255, 255, 0), stop:1 rgba(255, 255, 255, 0));")
```

```
self.label_59.setAlignment(QtCore.Qt.AlignCenter)
```

```
self.label_59.setObjectName("label_59")
```

```
self.lineEdit_37 = QtWidgets.QLineEdit(self.tab_3)
```

```
self.lineEdit_37.setGeometry(QtCore.QRect(259, 127, 151, 51))
```

```
self.lineEdit_37.setStyleSheet("background-color: rgb(255, 255, 255);")
```

```
self.lineEdit_37.setObjectName("lineEdit_37")
```

```
self.delete_5 = QtWidgets.QPushButton(self.tab_3)
```

```
self.delete_5.setGeometry(QtCore.QRect(530, 560, 131, 41))
```

```
self.delete_5.setStyleSheet("background-color: rgb(255, 0, 0);")
```

```
self.delete_5.setObjectName("delete_5")
```

```
self.lineEdit_38 = QtWidgets.QLineEdit(self.tab_3)
```

```
self.lineEdit_38.setGeometry(QtCore.QRect(269, 517, 151, 51))
```

```
self.lineEdit_38.setStyleSheet("background-color: rgb(255, 255, 255);")
```

```
self.lineEdit_38.setObjectName("lineEdit_38")
```

```
self.label_60 = QtWidgets.QLabel(self.tab_3)
```

```
self.label_60.setGeometry(QtCore.QRect(70, 508, 159, 65))
```

```
font = QtGui.QFont()
```

```
font.setPointSize(14)
```

```
self.label_60.setFont(font)
```

```
self.label_60.setStyleSheet("color: rgb(255, 255, 255);\n"
```

```
"background-color: qlineargradient(spread:pad, x1:0, y1:0, x2:1, y2:0, stop:0.577114  
rgba(255, 255, 255, 0), stop:1 rgba(255, 255, 255, 0));")
```

```
self.label_60.setAlignment(QtCore.Qt.AlignCenter)
```

```
self.label_60.setObjectName("label_60")
```

```
self.label_12 = QtWidgets.QLabel(self.tab_3)
```

```
self.label_12.setGeometry(QtCore.QRect(110, 260, 731, 71))
```

```
font = QtGui.QFont()
```

```
font.setPointSize(10)
```

```
self.label_12.setFont(font)
```

```

        self.label_12.setStyleSheet("color: rgb(255, 255, 255);\n"
"background-color: qlineargradient(spread:pad, x1:0, y1:0, x2:1, y2:0, stop:0 rgba(0, 0, 0, 0),\n"
stop:1 rgba(0, 0, 0, 0));")

        self.label_12.setText("")

        self.label_12.setAlignment(QtCore.Qt.AlignCenter)

        self.label_12.setObjectName("label_12")

        self.label_39 = QtWidgets.QLabel(self.tab_3)

        self.label_39.setGeometry(QtCore.QRect(120, 640, 731, 71))

        font = QtGui.QFont()

        font.setPointSize(10)

        self.label_39.setFont(font)

        self.label_39.setStyleSheet("color: rgb(255, 255, 255);\n"
"background-color: qlineargradient(spread:pad, x1:0, y1:0, x2:1, y2:0, stop:0 rgba(0, 0, 0, 0),\n"
stop:1 rgba(0, 0, 0, 0));")

        self.label_39.setText("")

        self.label_39.setAlignment(QtCore.Qt.AlignCenter)

        self.label_39.setObjectName("label_39")

        self.tabWidget.addTab(self.tab_3, "")

        self.label = QtWidgets.QLabel(self.frame)

        self.label.setGeometry(QtCore.QRect(490, 20, 241, 31))

        font = QtGui.QFont()

        font.setPointSize(18)

        font.setBold(True)

        font.setWeight(75)

        self.label.setFont(font)

        self.label.setStyleSheet("color: rgb(255, 255, 255);")

        self.label.setObjectName("label")

        MainWindow.setCentralWidget(self.centralwidget)

        self.statusbar = QtWidgets.QStatusBar(MainWindow)

        self.statusbar.setObjectName("statusbar")

        MainWindow.setStatusBar(self.statusbar)

```

```

self.retranslateUi(MainWindow)

self.tabWidget.setCurrentIndex(0)

QtCore.QMetaObject.connectSlotsByName(MainWindow)

def retranslateUi(self, MainWindow):
    _translate = QtCore.QCoreApplication.translate
    MainWindow.setWindowTitle(_translate("MainWindow", "MainWindow"))
    self.label_20.setText(_translate("MainWindow", "Items you get"))
    self.label_21.setText(_translate("MainWindow", "Enter Item ID"))
    self.label_2.setText(_translate("MainWindow", "5's"))
    self.label_3.setText(_translate("MainWindow", "10's"))
    self.label_4.setText(_translate("MainWindow", "20's"))
    self.label_5.setText(_translate("MainWindow", "50's"))
    self.label_6.setText(_translate("MainWindow", "100's"))
    self.label_7.setText(_translate("MainWindow", "Item ID"))
    self.label_18.setText(_translate("MainWindow", "Item name "))
    self.label_19.setText(_translate("MainWindow", "Price"))
    self.pushButton_8.setText(_translate("MainWindow", "ADD Money"))
    self.pushButton_9.setText(_translate("MainWindow", "Return "))
    self.pushButton_7.setText(_translate("MainWindow", "Search"))
    self.pushButton.setText(_translate("MainWindow", "ADD"))
    self.pushButton_2.setText(_translate("MainWindow", "BILL"))
    self.pushButton_3.setText(_translate("MainWindow", "Cancel"))
    self.tabWidget.setTabText(self.tabWidget.indexOf(self.tab), _translate("MainWindow",
"Customer"))
    self.label_35.setText(_translate("MainWindow", "Enter item Id "))
    self.label_36.setText(_translate("MainWindow", "Item Name"))
    self.label_37.setText(_translate("MainWindow", "Item Price"))
    self.pushButton_10.setText(_translate("MainWindow", "ADD item to DB"))

```

```
self.label_38.setText(_translate("MainWindow", "ADD THE NEW ITEM TO  
DATABASE"))
```

```
self.tabWidget.setTabText(self.tabWidget.indexOf(self.tab_2),  
_translate("MainWindow", "update"))
```

```
self.label_10.setText(_translate("MainWindow", "Delete Item"))
```

```
self.delete_2.setText(_translate("MainWindow", "Update"))
```

```
self.label_58.setText(_translate("MainWindow", "Price"))
```

```
self.label_59.setText(_translate("MainWindow", "Enter item Id "))
```

```
self.delete_5.setText(_translate("MainWindow", "Delet Item"))
```

```
self.label_60.setText(_translate("MainWindow", "Enter item Id "))
```

```
self.tabWidget.setTabText(self.tabWidget.indexOf(self.tab_3),  
_translate("MainWindow", "Delete Stock"))
```

```
self.label.setText(_translate("MainWindow", "Smart Cafe"))
```

```
def inserting(self):
```

```
    b1=self.lineEdit_21.text()
```

```
    name=self.lineEdit_22.text()
```

```
    b2=self.lineEdit_23.text()
```

```
    if(len(b1)==0 or len(name)==0 or len(b2)==0):
```

```
        self.label_61.setText("Fill all the Details ")
```

```
    else:
```

```
        id=int(b1)
```

```
        price=int(b2)
```

```
        client=pymongo.MongoClient('mongodb://127.0.0.1:27017/')
```

```
        mydb=client['items']
```

```
        info=mydb.items1
```

```
        ins=[{"id" :id , "name" : name, "price" : price}]
```

```
        info.insert_many(ins)
```

```
        self.label_61.setText("new item added sucessfully")
```

```
        self.lineEdit_21.setText("")
```

```
        self.lineEdit_22.setText("")
```

```

self.lineEdit_23.setText("")

def deletion(self):
    bg=self.lineEdit_38.text()
    if(len(bg)==0):
        self.label_39.setText("Enter the Item ID")
    else:
        bg1=int(bg)
        client=pymongo.MongoClient('mongodb://127.0.0.1:27017/')
        mydb=client['items']
        info=mydb['items1']
        dels={"id":bg1}
        info.delete_one(dels)
        self.label_39.setText(" Item has deleted ")
    self.lineEdit_38.setText("")

def updater(self):
    cg=self.lineEdit_36.text()
    cgg=self.lineEdit_37.text()
    if(len(cg)==0 or len(cgg)==0):
        self.label_12.setText("Fill Both The Inputs")
    else:
        cg1=int(cg)
        cgg1=int(cgg)
        client=pymongo.MongoClient('mongodb://127.0.0.1:27017/')
        mydb=client['items']
        info=mydb['items1']
        info.update_one({"id":cg1},{"$set":{"price":cgg1}})
        self.label_12.setText(" Item's price is Updated ")
    self.lineEdit_36.setText("")
    self.lineEdit_37.setText("")

def monadder(self):

```



```

a=int(self.lineEdit.text()*5
b=int(self.lineEdit_2.text()*10
c=int(self.lineEdit_3.text()*20
d=int(self.lineEdit_4.text()*50
e=int(self.lineEdit_5.text()*100
self.amount=a+b+c+d+e
ss=str(self.amount)
self.teee=self.amount
self.label_34.setText(ss+" Rupees has been added")
self.lineEdit.setText("0")
self.lineEdit_2.setText("0")
self.lineEdit_3.setText("0")
self.lineEdit_4.setText("0")
self.lineEdit_5.setText("0")
def rerr(self):
    self.amount=0
    self.textEdit.setText("")
    self.label_34.setText("Your money has returned")
def searcher(self):
    client=pymongo.MongoClient('mongodb://127.0.0.1:27017/')
    mydb=client['items']
    info=mydb['items1']
    res=info.find({ "price":{ "$lte":self.amount} })
    for i in res:
        idd=str(i["id"])
        ppr=str(i["price"])
        bbrb=str(self.amount)
        self.textEdit.append("      "+idd+"                "+i["name"]+"
"+ppr)
        self.label_34.setText("Select the Items in the list still "+bbrb+" rupees left")
def additemss(self):

```

```

itid=self.lineEdit_13.text()
if(len(itid)==0):
    self.label_34.setText("Enter the ItemID to Add ")
else:
    itid1=int(itid)
    client=pymongo.MongoClient('mongodb://127.0.0.1:27017/')
    mydb=client['items']
    info=mydb['items1']
    res=info.find({ "id":itid1 })
    pr=0
    for i in res:
        pr=i["price"]
        nr=i["name"]
    self.cost=self.cost+pr
    self.amount=self.amount-pr
    self.textEdit.setText("")
    self.label_34.setText(nr+" is Added")
    self.lineEdit_13.setText("")
def bille(self):
    amdd=str(self.teee)
    bilr=str(self.cost)
    chng=str(self.amount)
    self.label_34.setText("ammount added="+amdd+"\n"+"Bill is "+bilr+"\n"+"Balance is "+chng)
def exee(self):
    sys.exit()

```

```
if __name__ == "__main__":  
    import sys  
    app = QtWidgets.QApplication(sys.argv)  
    MainWindow = QtWidgets.QMainWindow()  
    ui = Ui_MainWindow()  
    ui.setupUi(MainWindow)  
    ui.pushButton_10.clicked.connect(ui.inserting)  
    ui.pushButton_9.clicked.connect(ui.rerr)  
    ui.pushButton.clicked.connect(ui.additemss)  
    ui.pushButton_2.clicked.connect(ui.bille)  
    ui.pushButton_3.clicked.connect(ui.exee)  
    ui.pushButton_7.clicked.connect(ui.searcher)  
    ui.pushButton_8.clicked.connect(ui.monadder)  
    ui.delete_5.clicked.connect(ui.deletion)  
    ui.delete_2.clicked.connect(ui.updater)  
    MainWindow.show()  
    sys.exit(app.exec_())
```