**Home.py**

This is the application's home page; from this page, the admin can log in to the admin portal, the user can register, and the user can log in to the user portal. Here the class name of this .py is 'Home,' and it has multiple methods.

setupUi() method is used to design the total page with size, background colors, images, set font styles, etc. Internally this method calls retranslateUi() method.

retranslateUi() method is also used for design, but it is used for setting the text of the result page.

Signupdef() method is for user registration business logic, collect the fields and validate here, after successful validation, we store into the database; for these operations, this method will call the 'registeraction.py. '

Adminlogin() method is for login action for admin, collect field data, and verify that the admin home page will show if it's valid. For validation, it will call the 'adminloginaction.py.'

ulogindef () method is for login action for users, collects field data, and verifies that a successful alert will come to the user if it's valid. For verification, it will call the 'userloginaction.py.'

from PyQt5 import QtCore, QtGui, QtWidgets

from adminloginaction import AdminLoginCheck

from userloginaction import UserLoginCheck

from adminhome import AdminHome

# from userhome import UserHome

from registeraction import RegisterAction

import re

import sys

class Home(object):

def ulogindef(self):

try:

uidvar = self.uid.text()

pwdvar = self.upwd.text()

self.uid.setText("")

self.upwd.setText("")

al = UserLoginCheck()

res = al.datacheck(uidvar, pwdvar)

if res:

self.showAlertBox("Alert", "Fill the Fields")

elif UserLoginCheck.logincheck(uidvar, pwdvar):

self.showAlertBox2("Success", "Login Success")

else:

self.showAlertBox("Login Alert", "Login Fail")

except Exception as e:

print(e.args[0])

tb = sys.exc\_info()[2]

print(tb.tb\_lineno)

print(e)

def signupdef(self):

EMAIL\_REGEX = "^.+@([?)[a-zA-Z0-9-.]+.([a-zA-Z]{2,3}|[0-9]{1,3})(]?)$"

try:

print("signup")

namevar = self.sname.text()

emailvar = self.semail.text()

contactvar = self.sph.text()

cityvar = self.saddr.text()

pwdvar = self.spwd.text()

al = RegisterAction()

if namevar == "" or namevar == "null" or emailvar == "" or emailvar == "null" or pwdvar == "" or pwdvar == "null" or contactvar == "" or contactvar == "null":

self.showAlertBox("Information", "Please fill out all fields")

elif not self.is\_email\_valid(emailvar):

self.showAlertBox("Information", "Invalid Email id")

elif len(contactvar) != 10:

self.showAlertBox("Information", "Invalid mobile number")

elif al.datacheck(namevar, emailvar, contactvar, cityvar, pwdvar):

self.showAlertBox("Alert", "Fill the Fields")

elif RegisterAction.signup(namevar, emailvar, contactvar, cityvar, pwdvar):

self.sname.setText("")

self.semail.setText("")

self.sph.setText("")

self.saddr.setText("")

self.spwd.setText("")

self.showAlertBox2("Information", "Register Success")

else:

self.showAlertBox("Login Alert", "Login Fail")

except Exception as e:

print(e.args[0])

tb = sys.exc\_info()[2]

print(tb.tb\_lineno)

def adminlogin(self):

try:

print("adminlogin")

auidvar = self.auid.text()

apwdvar = self.apwd.text()

self.auid.setText("")

self.apwd.setText("")

al = AdminLoginCheck()

res = al.datacheck(auidvar, apwdvar)

if res:

self.showAlertBox("Alert", "Fill the Fields")

elif AdminLoginCheck.logincheck(auidvar, apwdvar):

self.u = QtWidgets.QDialog()

self.ui = AdminHome()

self.ui.setupUi(self.u)

self.u.show()

else:

self.showAlertBox("Login Alert", "Login Fail")

except Exception as e:

print(e.args[0])

tb = sys.exc\_info()[2]

print(tb.tb\_lineno)

#

##Alert Window

#

def showAlertBox(self, title, message):

msgBox = QtWidgets.QMessageBox()

msgBox.setIcon(QtWidgets.QMessageBox.Warning)

msgBox.setWindowTitle(title)

msgBox.setText(message)

msgBox.setStandardButtons(QtWidgets.QMessageBox.Ok)

msgBox.exec\_()

def showAlertBox2(self, title, message):

msgBox = QtWidgets.QMessageBox()

msgBox.setIcon(QtWidgets.QMessageBox.Information)

msgBox.setWindowTitle(title)

msgBox.setText(message)

msgBox.setStandardButtons(QtWidgets.QMessageBox.Ok)

msgBox.exec\_()

def is\_email\_valid(self, str):

email\_regex = r"(^[a-zA-Z0-9\_.+-]+@[a-zA-Z0-9-]+\.[a-zA-Z0-9-.]+$)"

return bool(re.match(email\_regex, str))

def setupUi(self, Dialog):

Dialog.setObjectName("Dialog")

Dialog.resize(804, 554)

self.tabWidget = QtWidgets.QTabWidget(Dialog)

self.tabWidget.setGeometry(QtCore.QRect(0, 0, 811, 561))

self.tabWidget.setObjectName("tabWidget")

self.tab = QtWidgets.QWidget()

self.tab.setObjectName("tab")

self.frame = QtWidgets.QFrame(self.tab)

self.frame.setGeometry(QtCore.QRect(0, 0, 941, 541))

self.frame.setStyleSheet("background-image: url(calorie.jpg);")

self.frame.setFrameShape(QtWidgets.QFrame.StyledPanel)

self.frame.setFrameShadow(QtWidgets.QFrame.Raised)

self.frame.setObjectName("frame")

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

self.tab\_2 = QtWidgets.QWidget()

self.tab\_2.setObjectName("tab\_2")

self.frame\_2 = QtWidgets.QFrame(self.tab\_2)

self.frame\_2.setGeometry(QtCore.QRect(0, 0, 941, 541))

self.frame\_2.setStyleSheet("background-image: url(caloriep.jpg);")

self.frame\_2.setFrameShape(QtWidgets.QFrame.StyledPanel)

self.frame\_2.setFrameShadow(QtWidgets.QFrame.Raised)

self.frame\_2.setObjectName("frame\_2")

self.frame\_3 = QtWidgets.QFrame(self.frame\_2)

self.frame\_3.setGeometry(QtCore.QRect(230, 220, 380, 280))

self.frame\_3.setStyleSheet("background-image: url(wbg.png);")

self.frame\_3.setFrameShape(QtWidgets.QFrame.StyledPanel)

self.frame\_3.setFrameShadow(QtWidgets.QFrame.Raised)

self.frame\_3.setObjectName("frame\_3")

self.label = QtWidgets.QLabel(self.frame\_3)

self.label.setGeometry(QtCore.QRect(120, -10, 150, 50))

self.label.setStyleSheet("font: 14pt \"Verdana\";")

self.label.setObjectName("label")

self.auid = QtWidgets.QLineEdit(self.frame\_3)

self.auid.setGeometry(QtCore.QRect(40, 70, 310, 40))

font = QtGui.QFont()

font.setFamily("Bahnschrift Light SemiCondensed")

font.setPointSize(12)

font.setBold(False)

font.setWeight(50)

self.auid.setFont(font)

self.auid.setStyleSheet("")

self.auid.setText("")

self.auid.setObjectName("auid")

self.alogin = QtWidgets.QPushButton(self.frame\_3)

self.alogin.setGeometry(QtCore.QRect(40, 170, 90, 40))

font = QtGui.QFont()

font.setFamily("MS Shell Dlg 2")

font.setPointSize(12)

font.setBold(False)

font.setItalic(False)

font.setWeight(50)

self.alogin.setFont(font)

self.alogin.setStyleSheet("font: 12pt \"MS Shell Dlg 2\";\n"

"background-color: rgb(255, 208, 131);")

self.alogin.setObjectName("alogin")

self.alogin.clicked.connect(self.adminlogin)

self.apwd = QtWidgets.QLineEdit(self.frame\_3)

self.apwd.setGeometry(QtCore.QRect(40, 120, 310, 40))

font = QtGui.QFont()

font.setFamily("Bahnschrift Light SemiCondensed")

font.setPointSize(12)

self.apwd.setFont(font)

self.apwd.setStyleSheet("")

self.apwd.setEchoMode(QtWidgets.QLineEdit.Password)

self.apwd.setObjectName("apwd")

self.tabWidget.addTab(self.tab\_2, "")

self.tab\_3 = QtWidgets.QWidget()

self.tab\_3.setObjectName("tab\_3")

self.frame\_4 = QtWidgets.QFrame(self.tab\_3)

self.frame\_4.setGeometry(QtCore.QRect(0, 0, 941, 541))

self.frame\_4.setStyleSheet("background-image: url(caloriep.jpg);")

self.frame\_4.setFrameShape(QtWidgets.QFrame.StyledPanel)

self.frame\_4.setFrameShadow(QtWidgets.QFrame.Raised)

self.frame\_4.setObjectName("frame\_4")

self.frame\_5 = QtWidgets.QFrame(self.frame\_4)

self.frame\_5.setGeometry(QtCore.QRect(230, 220, 380, 280))

self.frame\_5.setStyleSheet("background-image: url(wbg.png);")

self.frame\_5.setFrameShape(QtWidgets.QFrame.StyledPanel)

self.frame\_5.setFrameShadow(QtWidgets.QFrame.Raised)

self.frame\_5.setObjectName("frame\_5")

self.label\_2 = QtWidgets.QLabel(self.frame\_5)

self.label\_2.setGeometry(QtCore.QRect(130, -10, 150, 50))

self.label\_2.setStyleSheet("font: 14pt \"Verdana\";")

self.label\_2.setObjectName("label\_2")

self.uid = QtWidgets.QLineEdit(self.frame\_5)

self.uid.setGeometry(QtCore.QRect(40, 70, 310, 40))

font = QtGui.QFont()

font.setFamily("Bahnschrift Light SemiCondensed")

font.setPointSize(12)

font.setBold(False)

font.setWeight(50)

self.uid.setFont(font)

self.uid.setStyleSheet("")

self.uid.setText("")

self.uid.setObjectName("uid")

self.ulogin = QtWidgets.QPushButton(self.frame\_5)

self.ulogin.setGeometry(QtCore.QRect(40, 170, 90, 40))

font = QtGui.QFont()

font.setFamily("MS Shell Dlg 2")

font.setPointSize(12)

font.setBold(False)

font.setItalic(False)

font.setWeight(50)

self.ulogin.setFont(font)

self.ulogin.setStyleSheet("font: 12pt \"MS Shell Dlg 2\";\n"

"background-color: rgb(255, 208, 131);")

self.ulogin.setObjectName("ulogin")

self.ulogin.clicked.connect(self.ulogindef)

self.upwd = QtWidgets.QLineEdit(self.frame\_5)

self.upwd.setGeometry(QtCore.QRect(40, 120, 310, 40))

font = QtGui.QFont()

font.setFamily("Bahnschrift Light SemiCondensed")

font.setPointSize(12)

self.upwd.setFont(font)

self.upwd.setStyleSheet("")

self.upwd.setEchoMode(QtWidgets.QLineEdit.Password)

self.upwd.setObjectName("upwd")

self.tabWidget.addTab(self.tab\_3, "")

self.tab\_4 = QtWidgets.QWidget()

self.tab\_4.setObjectName("tab\_4")

self.frame\_6 = QtWidgets.QFrame(self.tab\_4)

self.frame\_6.setGeometry(QtCore.QRect(0, 0, 941, 541))

self.frame\_6.setStyleSheet("background-image: url(caloriep.jpg);")

self.frame\_6.setFrameShape(QtWidgets.QFrame.StyledPanel)

self.frame\_6.setFrameShadow(QtWidgets.QFrame.Raised)

self.frame\_6.setObjectName("frame\_6")

self.frame\_7 = QtWidgets.QFrame(self.frame\_6)

self.frame\_7.setGeometry(QtCore.QRect(230, 220, 380, 280))

self.frame\_7.setStyleSheet("background-image: url(wbg.png);")

self.frame\_7.setFrameShape(QtWidgets.QFrame.StyledPanel)

self.frame\_7.setFrameShadow(QtWidgets.QFrame.Raised)

self.frame\_7.setObjectName("frame\_7")

self.label\_3 = QtWidgets.QLabel(self.frame\_7)

self.label\_3.setGeometry(QtCore.QRect(130, -10, 150, 50))

self.label\_3.setStyleSheet("font: 14pt \"Verdana\";")

self.label\_3.setObjectName("label\_3")

self.sname = QtWidgets.QLineEdit(self.frame\_7)

self.sname.setGeometry(QtCore.QRect(40, 40, 310, 30))

font = QtGui.QFont()

font.setFamily("Bahnschrift Light SemiCondensed")

font.setPointSize(12)

font.setBold(False)

font.setWeight(50)

self.sname.setFont(font)

self.sname.setStyleSheet("")

self.sname.setText("")

self.sname.setObjectName("sname")

self.signup = QtWidgets.QPushButton(self.frame\_7)

self.signup.setGeometry(QtCore.QRect(230, 240, 120, 30))

font = QtGui.QFont()

font.setFamily("MS Shell Dlg 2")

font.setPointSize(12)

font.setBold(False)

font.setItalic(False)

font.setWeight(50)

self.signup.setFont(font)

self.signup.setStyleSheet("font: 12pt \"MS Shell Dlg 2\";\n"

"background-color: rgb(255, 208, 131);")

self.signup.setObjectName("signup")

self.signup.clicked.connect(self.signupdef)

self.semail = QtWidgets.QLineEdit(self.frame\_7)

self.semail.setGeometry(QtCore.QRect(40, 80, 310, 30))

font = QtGui.QFont()

font.setFamily("Bahnschrift Light SemiCondensed")

font.setPointSize(12)

self.semail.setFont(font)

self.semail.setStyleSheet("")

self.semail.setEchoMode(QtWidgets.QLineEdit.Normal)

self.semail.setObjectName("semail")

self.sph = QtWidgets.QLineEdit(self.frame\_7)

self.sph.setGeometry(QtCore.QRect(40, 120, 310, 30))

font = QtGui.QFont()

font.setFamily("Bahnschrift Light SemiCondensed")

font.setPointSize(12)

self.sph.setFont(font)

self.sph.setStyleSheet("")

self.sph.setEchoMode(QtWidgets.QLineEdit.Normal)

self.sph.setObjectName("sph")

self.saddr = QtWidgets.QLineEdit(self.frame\_7)

self.saddr.setGeometry(QtCore.QRect(40, 160, 310, 30))

font = QtGui.QFont()

font.setFamily("Bahnschrift Light SemiCondensed")

font.setPointSize(12)

self.saddr.setFont(font)

self.saddr.setStyleSheet("")

self.saddr.setEchoMode(QtWidgets.QLineEdit.Normal)

self.saddr.setObjectName("saddr")

self.spwd = QtWidgets.QLineEdit(self.frame\_7)

self.spwd.setGeometry(QtCore.QRect(40, 200, 310, 30))

font = QtGui.QFont()

font.setFamily("Bahnschrift Light SemiCondensed")

font.setPointSize(12)

self.spwd.setFont(font)

self.spwd.setStyleSheet("")

self.spwd.setEchoMode(QtWidgets.QLineEdit.Password)

self.spwd.setObjectName("spwd")

self.tabWidget.addTab(self.tab\_4, "")

self.retranslateUi(Dialog)

self.tabWidget.setCurrentIndex(0)

QtCore.QMetaObject.connectSlotsByName(Dialog)

def retranslateUi(self, Dialog):

\_translate = QtCore.QCoreApplication.translate

Dialog.setWindowTitle(\_translate("Dialog", "Dialog"))

self.tabWidget.setTabText(self.tabWidget.indexOf(self.tab), \_translate("Dialog", "Home"))

self.label.setText(\_translate("Dialog", "Admin Login"))

self.auid.setToolTip(\_translate("Dialog", "Enter UserId"))

self.auid.setPlaceholderText(\_translate("Dialog", "Enter Userid"))

self.alogin.setText(\_translate("Dialog", "Login"))

self.apwd.setStatusTip(\_translate("Dialog", "Enter Password"))

self.apwd.setWhatsThis(\_translate("Dialog", "Enter Password"))

self.apwd.setAccessibleName(\_translate("Dialog", "Enter Password"))

self.apwd.setAccessibleDescription(\_translate("Dialog", "Enter Password"))

self.apwd.setPlaceholderText(\_translate("Dialog", "Enter Password"))

self.tabWidget.setTabText(self.tabWidget.indexOf(self.tab\_2), \_translate("Dialog", "Admin"))

self.label\_2.setText(\_translate("Dialog", "User Login"))

self.uid.setToolTip(\_translate("Dialog", "Enter UserId"))

self.uid.setPlaceholderText(\_translate("Dialog", "Enter Userid"))

self.ulogin.setText(\_translate("Dialog", "Login"))

self.upwd.setStatusTip(\_translate("Dialog", "Enter Password"))

self.upwd.setWhatsThis(\_translate("Dialog", "Enter Password"))

self.upwd.setAccessibleName(\_translate("Dialog", "Enter Password"))

self.upwd.setAccessibleDescription(\_translate("Dialog", "Enter Password"))

self.upwd.setPlaceholderText(\_translate("Dialog", "Enter Password"))

self.tabWidget.setTabText(self.tabWidget.indexOf(self.tab\_3), \_translate("Dialog", "User"))

self.label\_3.setText(\_translate("Dialog", "User Signup"))

self.sname.setToolTip(\_translate("Dialog", "Enter UserId"))

self.sname.setPlaceholderText(\_translate("Dialog", "Enter Name"))

self.signup.setText(\_translate("Dialog", "Signup"))

self.semail.setStatusTip(\_translate("Dialog", "Enter Password"))

self.semail.setWhatsThis(\_translate("Dialog", "Enter Password"))

self.semail.setAccessibleName(\_translate("Dialog", "Enter Password"))

self.semail.setAccessibleDescription(\_translate("Dialog", "Enter Password"))

self.semail.setPlaceholderText(\_translate("Dialog", "Enter Email"))

self.sph.setStatusTip(\_translate("Dialog", "Enter Password"))

self.sph.setWhatsThis(\_translate("Dialog", "Enter Password"))

self.sph.setAccessibleName(\_translate("Dialog", "Enter Password"))

self.sph.setAccessibleDescription(\_translate("Dialog", "Enter Password"))

self.sph.setPlaceholderText(\_translate("Dialog", "Enter Contact No"))

self.saddr.setStatusTip(\_translate("Dialog", "Enter Password"))

self.saddr.setWhatsThis(\_translate("Dialog", "Enter Password"))

self.saddr.setAccessibleName(\_translate("Dialog", "Enter Password"))

self.saddr.setAccessibleDescription(\_translate("Dialog", "Enter Password"))

self.saddr.setPlaceholderText(\_translate("Dialog", "Enter Address"))

self.spwd.setStatusTip(\_translate("Dialog", "Enter Password"))

self.spwd.setWhatsThis(\_translate("Dialog", "Enter Password"))

self.spwd.setAccessibleName(\_translate("Dialog", "Enter Password"))

self.spwd.setAccessibleDescription(\_translate("Dialog", "Enter Password"))

self.spwd.setPlaceholderText(\_translate("Dialog", "Enter Password"))

self.tabWidget.setTabText(self.tabWidget.indexOf(self.tab\_4), \_translate("Dialog", "Signup"))

if \_\_name\_\_ == "\_\_main\_\_":

import sys

app = QtWidgets.QApplication(sys.argv)

Dialog = QtWidgets.QDialog()

ui = Home()

ui.setupUi(Dialog)

Dialog.show()

sys.exit(app.exec\_())

**DBConnection.py**

This class is used to return the database connection object by calling getConnection() method.

import mysql.connector

class DBConnection:

@staticmethod

def getConnection():

database = mysql.connector.connect(host="localhost", user="root", passwd="root", db='food')

return database

if \_\_name\_\_=="\_\_main\_\_":

print(DBConnection.getConnection())

**registeraction.py**

This class is for storing user signup data into database. By sending data of name, email, contact, city, password to the signup() method, it will create database connection and store into ‘users’ table.

from DBConnection import DBConnection

class RegisterAction:

@staticmethod

def signup(name, email, contact,city, pwd):

print(name, email, contact,city, pwd)

database = DBConnection.getConnection()

cursor = database.cursor()

query = "insert into users values(%s,%s,%s,%s,%s)"

values = (name, email, contact,city, pwd)

print(values)

cursor.execute(query, values)

database.commit()

# rows=str(sheet.nrows)

print("inserted")

return True

**userloginaction.py**

This program is for validating and verifying the user login action.

Datacheck() method is for validating the user id and password.

Logincheck() method is for comparing userid and password in ‘users’ table.

from DBConnection import DBConnection

class UserLoginCheck:

def datacheck(self,uid,pwd):

if uid == "" or pwd == "":

return True

else:

return False

@staticmethod

def logincheck(uid,pwd):

print(uid,pwd) print("login success")

return True

else:

return False

database = DBConnection.getConnection()

cursor = database.cursor()

cursor.execute("select name from users where email='"+uid+"' and pwd='"+pwd+"' ")

if cursor.fetchone() is not None:

**adminloginaction.py**

This program is for validating and verifying the admin login action.

Datacheck() method is for validating the user id and password.

Logincheck() method is for comparing userid and password statically with string values.

class AdminLoginCheck:

def datacheck(self,uid,pwd):

if uid == "" and pwd == "":

return True

else:

return False

@staticmethod

def logincheck(uid,pwd):

if uid == "admin" and pwd == "admin":

return True

else:

return False

**adminhome.py**

This is the admin home page of the application; from this page, the admin can upload the dataset and view it. Here the class name of this adminhome.py is 'AdminHome,' and it has multiple methods.

setupUi() method is used to design the total page with size, background colors, images, set font styles, etc. Internally this method calls retranslateUi() method.

retranslateUi() method is also used for design, but it is used for setting the text of the result page.

browsefile() method is for selecting a file for uploading data, and it accepts only '.xlsx' files. This method will set the file's name and address to a textbox of 'textbox after selecting the file.'

uploadAction() method will collect file addresses from the 'textbox' and read and upload the .xl file data into the database using xlrd API. The data will store in the 'dataset' table of the database.

Viewdef() method will call the 'table.py' file to view the excel data we uploaded.

from PyQt5 import QtCore, QtGui, QtWidgets

import datetime, xlrd

from DBConnection import DBConnection

import sys

#from ViewData import ViewData

class AdminHome(object):

def browsefile(self):

try:

fileName, \_ = QtWidgets.QFileDialog.getOpenFileName(None, "Select File","E:/", "\*.xlsx")

print(fileName)

self.textbox.setText(fileName)

except Exception as e:

print("Error=" + e.args[0])

tb = sys.exc\_info()[2]

print(tb.tb\_lineno)

print(e)

def uploadAction(self):

try:

fname = self.textbox.text()

book = xlrd.open\_workbook(fname)

book = xlrd.open\_workbook(fname)

sheet = book.sheet\_by\_index(0)

database = DBConnection.getConnection()

print(database)

cursor = database.cursor()

cursor2 = database.cursor()

cursor.execute("delete from dataset")

print("deleted")

database.commit()

query = "insert into dataset values(%s,%s)"

print(query)

for r in range(1, sheet.nrows):

f0 = sheet.cell(r, 0).value

f1 = float(sheet.cell(r, 1).value)

values = (

f0, f1)

print(values)

try:

cursor.execute(query, values)

except:

pass

database.commit()

columns = str(sheet.ncols)

rows=str(sheet.nrows)

print("inserted")

self.showAlertBox("Information", "DataSet Loaded Successfully")

self.auid\_2.setText("")

except Exception as e:

print("Error=" + e.args[0])

tb = sys.exc\_info()[2]

print(tb.tb\_lineno)

print(e)

def viewdef(self):

try:

import sys

print("hh")

import subprocess

import sys

# Some code here

pid = subprocess.Popen([sys.executable, "table.py"])

except Exception as e:

print("Error=" + e.args[0])

tb = sys.exc\_info()[2]

print(tb.tb\_lineno)

print(e)

def showAlertBox(self, title, message):

msgBox = QtWidgets.QMessageBox()

msgBox.setIcon(QtWidgets.QMessageBox.Information)

msgBox.setWindowTitle(title)

msgBox.setText(message)

msgBox.setStandardButtons(QtWidgets.QMessageBox.Ok)

msgBox.exec\_()

def setupUi(self, Dialog):

Dialog.setObjectName("Dialog")

Dialog.resize(804, 554)

self.tabWidget = QtWidgets.QTabWidget(Dialog)

self.tabWidget.setGeometry(QtCore.QRect(0, 0, 811, 561))

self.tabWidget.setObjectName("tabWidget")

self.tab = QtWidgets.QWidget()

self.tab.setObjectName("tab")

self.frame = QtWidgets.QFrame(self.tab)

self.frame.setGeometry(QtCore.QRect(0, 0, 941, 541))

self.frame.setStyleSheet("background-image: url(calorie2.jpg);")

self.frame.setFrameShape(QtWidgets.QFrame.StyledPanel)

self.frame.setFrameShadow(QtWidgets.QFrame.Raised)

self.frame.setObjectName("frame")

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

self.tab\_2 = QtWidgets.QWidget()

self.tab\_2.setObjectName("tab\_2")

self.frame\_2 = QtWidgets.QFrame(self.tab\_2)

self.frame\_2.setGeometry(QtCore.QRect(0, 0, 941, 541))

self.frame\_2.setStyleSheet("background-image: url(caloriep.jpg);")

self.frame\_2.setFrameShape(QtWidgets.QFrame.StyledPanel)

self.frame\_2.setFrameShadow(QtWidgets.QFrame.Raised)

self.frame\_2.setObjectName("frame\_2")

self.frame\_3 = QtWidgets.QFrame(self.frame\_2)

self.frame\_3.setGeometry(QtCore.QRect(230, 220, 380, 280))

self.frame\_3.setStyleSheet("background-image: url(wbg.png);")

self.frame\_3.setFrameShape(QtWidgets.QFrame.StyledPanel)

self.frame\_3.setFrameShadow(QtWidgets.QFrame.Raised)

self.frame\_3.setObjectName("frame\_3")

self.label = QtWidgets.QLabel(self.frame\_3)

self.label.setGeometry(QtCore.QRect(30, -10, 321, 50))

self.label.setStyleSheet("font: 14pt \"Verdana\";")

self.label.setObjectName("label")

self.textbox = QtWidgets.QLineEdit(self.frame\_3)

self.textbox.setGeometry(QtCore.QRect(10, 60, 310, 30))

font = QtGui.QFont()

font.setFamily("Bahnschrift Light SemiCondensed")

font.setPointSize(12)

font.setBold(False)

font.setWeight(50)

self.textbox.setFont(font)

self.textbox.setStyleSheet("")

self.textbox.setText("")

self.textbox.setObjectName("textbox")

self.upload = QtWidgets.QPushButton(self.frame\_3)

self.upload.setGeometry(QtCore.QRect(10, 100, 90, 30))

font = QtGui.QFont()

font.setFamily("MS Shell Dlg 2")

font.setPointSize(12)

font.setBold(False)

font.setItalic(False)

font.setWeight(50)

self.upload.setFont(font)

self.upload.setStyleSheet("font: 12pt \"MS Shell Dlg 2\";\n"

"background-color: rgb(255, 208, 131);")

self.upload.setObjectName("upload")

##########################################

self.upload.clicked.connect(self.uploadAction)

##########################################

self.browse = QtWidgets.QPushButton(self.frame\_3)

self.browse.setGeometry(QtCore.QRect(330, 60, 30, 30))

font = QtGui.QFont()

font.setFamily("MS Shell Dlg 2")

font.setPointSize(12)

font.setBold(False)

font.setItalic(False)

font.setWeight(50)

self.browse.setFont(font)

self.browse.setStyleSheet("font: 12pt \"MS Shell Dlg 2\";\n"

"background-color: rgb(255, 208, 131);")

self.browse.setObjectName("browse")

##########################################

self.browse.clicked.connect(self.browsefile)

###########################################

self.tabWidget.addTab(self.tab\_2, "")

self.tab\_3 = QtWidgets.QWidget()

self.tab\_3.setObjectName("tab\_3")

self.frame\_4 = QtWidgets.QFrame(self.tab\_3)

self.frame\_4.setGeometry(QtCore.QRect(0, 0, 941, 541))

self.frame\_4.setStyleSheet("background-image: url(caloriep.jpg);")

self.frame\_4.setFrameShape(QtWidgets.QFrame.StyledPanel)

self.frame\_4.setFrameShadow(QtWidgets.QFrame.Raised)

self.frame\_4.setObjectName("frame\_4")

self.frame\_5 = QtWidgets.QFrame(self.frame\_4)

self.frame\_5.setGeometry(QtCore.QRect(230, 220, 380, 280))

self.frame\_5.setStyleSheet("background-image: url(wbg.png);")

self.frame\_5.setFrameShape(QtWidgets.QFrame.StyledPanel)

self.frame\_5.setFrameShadow(QtWidgets.QFrame.Raised)

self.frame\_5.setObjectName("frame\_5")

self.label\_2 = QtWidgets.QLabel(self.frame\_5)

self.label\_2.setGeometry(QtCore.QRect(60, -10, 241, 50))

self.label\_2.setStyleSheet("font: 14pt \"Verdana\";")

self.label\_2.setObjectName("label\_2")

self.View = QtWidgets.QPushButton(self.frame\_5)

self.View.setGeometry(QtCore.QRect(40, 100, 290, 40))

font = QtGui.QFont()

font.setFamily("MS Shell Dlg 2")

font.setPointSize(12)

font.setBold(False)

font.setItalic(False)

font.setWeight(50)

self.View.setFont(font)

self.View.setStyleSheet("font: 12pt \"MS Shell Dlg 2\";\n"

"background-color: rgb(255, 208, 131);")

self.View.setObjectName("View")

##########################################

self.View.clicked.connect(self.viewdef)

###########################################

self.tabWidget.addTab(self.tab\_3, "")

self.retranslateUi(Dialog)

self.tabWidget.setCurrentIndex(0)

QtCore.QMetaObject.connectSlotsByName(Dialog)

def retranslateUi(self, Dialog):

\_translate = QtCore.QCoreApplication.translate

Dialog.setWindowTitle(\_translate("Dialog", "AdminHome"))

self.tabWidget.setTabText(self.tabWidget.indexOf(self.tab), \_translate("Dialog", "Home"))

self.label.setText(\_translate("Dialog", "<html><head/><body><p align=\"center\">Dataset Upload</p></body></html>"))

self.textbox.setToolTip(\_translate("Dialog", "Enter UserId"))

self.textbox.setPlaceholderText(\_translate("Dialog", "Dataset Upload"))

self.upload.setText(\_translate("Dialog", "Upload"))

self.browse.setText(\_translate("Dialog", "----"))

self.tabWidget.setTabText(self.tabWidget.indexOf(self.tab\_2), \_translate("Dialog", "Dataset Upload"))

self.label\_2.setText(\_translate("Dialog", "<html><head/><body><p align=\"center\">View Dataset</p></body></html>"))

self.View.setText(\_translate("Dialog", "Click to View"))

self.tabWidget.setTabText(self.tabWidget.indexOf(self.tab\_3), \_translate("Dialog", "View"))

if \_\_name\_\_ == "\_\_main\_\_":

import sys

app = QtWidgets.QApplication(sys.argv)

Dialog = QtWidgets.QDialog()

ui = AdminHome()

ui.setupUi(Dialog)

Dialog.show()

sys.exit(app.exec\_())

**table.py**

This program displays the content of dataset table.

\_\_init\_\_(self) is constructor will initialize the measurements of the layout.

InitWindow(self) method will set the measurements and shows the window.

creatingTables(self) method will return the data from the ‘dataset’ and display in tabular manner.

from PyQt5 import QtGui

from PyQt5.QtWidgets import QApplication, QWidget, QTableWidget, QTableWidgetItem, QVBoxLayout

import sys

from DBConnection import DBConnection

class Window(QWidget):

def \_\_init\_\_(self):

super().\_\_init\_\_()

self.title = "Calorie's Data"

self.top = 200

self.left = 200

self.width = 440

self.height = 400

print('%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%')

self.InitWindow()

def InitWindow(self):

print('^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^')

self.setWindowIcon(QtGui.QIcon("icon.png"))

self.setWindowTitle(self.title)

self.setGeometry(self.top, self.left, self.width, self.height)

self.creatingTables()

self.show()

def creatingTables(self):

database = DBConnection.getConnection()

cursor = database.cursor()

cursor.execute("select \* from dataset ")

rows = cursor.fetchall()

self.tableWidget = QTableWidget()

self.tableWidget.setRowCount(len(rows)+1)

self.tableWidget.setColumnCount(len(rows[0]))

tot=len(rows)

print(rows)

self.tableWidget.setItem(0,0, QTableWidgetItem("Food Name"))

self.tableWidget.setItem(0,1, QTableWidgetItem("Calorie per Gram"))

for s in range(tot):

print(rows[s][0])

d=str(rows[s][1])

self.tableWidget.setItem(s+1,0, QTableWidgetItem(rows[s][0]))

self.tableWidget.setItem(s+1,1, QTableWidgetItem(d))

self.tableWidget.setColumnWidth(0, 200)

self.tableWidget.setColumnWidth(1, 200)

self.vBoxLayout = QVBoxLayout()

self.vBoxLayout.addWidget(self.tableWidget)

self.setLayout(self.vBoxLayout)

def main(self):

App = QApplication(sys.argv)

window = Window()

sys.exit(App.exec())

if \_\_name\_\_=="\_\_main\_\_":

App = QApplication(sys.argv)

window = Window()

sys.exit(App.exec())