Cashier / app.py

from tkinter import \*

import tkinter.messagebox

from tkinter import Tk

from db import Database

import os

from db import \*

import functools

# Instanciate database object

db = Database(r'\\raspberrypi\share\jsj.db')

# \*\*\*\* Functions \*\*\*\*

def populate\_list():

order\_list.delete(0, END)

for row in db.fetch():

order\_list.insert(END, row)

def populate\_order():

order\_list.delete(0, END)

for row\_o in db.getordero(orderid\_entry.get(),orderid\_entry.get(),orderid\_entry.get(),orderid\_entry.get()):

order\_list.insert(END, row\_o)

for row\_a in db.getordera(orderid\_entry.get(),orderid\_entry.get(),orderid\_entry.get(),orderid\_entry.get()):

order\_list.insert(END, row\_a)

for row\_b in db.getorderb(orderid\_entry.get(),orderid\_entry.get(),orderid\_entry.get(),orderid\_entry.get()):

order\_list.insert(END, row\_b)

def populate\_ordertp():

displaytotalp.delete(0, END)

for row in db.getordertp(orderid\_entry.get(),orderid\_entry.get(),orderid\_entry.get()):

displaytotalp.insert(END, row)

def populate\_ordertw():

displaytotalw.delete(0, END)

for row in db.getordertw(orderid\_entry.get(),orderid\_entry.get(),orderid\_entry.get()):

displaytotalw.insert(END, row)

def select\_item(event):

try:

global selected\_item

index = order\_list.curselection()[0]

selected\_item = order\_list.get(index)

print(selected\_item)

except IndexError:

pass

def cashchange():

cashchange\_list.delete(0, END)

for row in db.getchange(cashtender\_entry.get(),orderid\_entry.get(),orderid\_entry.get(),orderid\_entry.get()):

cashchange\_list.insert(END, row)

def searchorder():

populate\_order()

populate\_ordertp()

populate\_ordertw()

def custorder():

tkinter.messagebox.showinfo('Order', 'Order Purchased')

#Main Window

root = Tk()

root.title('JSJ Marketing by Group 10 - CASHIER')

#Logo

logoPhoto = PhotoImage(file="ui/logoz.png")

logophotolabel = Label(root, image=logoPhoto)

logophotolabel.place(x=15, y=15, anchor=NW)

# \*\*\*\* Picture button. ADD TO CART. DELETE ITEM. PRINT ALL ITEM \*\*\*\*

button\_1\_label = Label(root, text='Purchase', font=('Roboto', 14))

button\_1\_label.place(x=20, y=510)

photoadd = PhotoImage(file="ui/addsz.png")

button\_1 = Button(root, image=photoadd, relief="raised", bd="3", command=custorder)

button\_1.bind("<Button-1>")

button\_1.place(x=20, y=540)

#newcust\_text = StringVar()

#newcustlabel = Label(root, text='NEW CUSTOMER', font = ('Roboto',13))

#newcustlabel.place(x=50, y=525)

"""TEXTS"""

orderid\_label = Label(root, text='Order ID: ', font=('Roboto', 14))

orderid\_label.grid(row=0, column=0, sticky=W)

orderid\_label.place(x=210, y=60)

orderid\_entry = Entry(root)

orderid\_entry.grid(row=1, column=2)

orderid\_entry.place(x=290, y=66)

searchorder\_btn = Button(root, text='Search', width=12, command=searchorder)

searchorder\_btn.grid(row=2, column=2)

searchorder\_btn.place(x=430, y=63)

item\_text = StringVar()

itemlabel = Label(root, text='ITEM')

itemlabel.place(x=120, y=120)

quantity\_text = StringVar()

quantitylabel = Label(root, text='QTY')

quantitylabel.place(x=200, y=120)

price\_text = StringVar()

pricelabel = Label(root, text='PRICE(₱)')

pricelabel.place(x=230, y=120)

weight\_text = StringVar()

weightlabel = Label(root, text='WEIGHT(g)')

weightlabel.place(x=310, y=120)

#Item List (Listbox)

order\_list = Listbox(root, relief="raised", height=5, width=20, border=0, font = ('Roboto',30))

order\_list.grid(padx=40, pady=138, columnspan=3, rowspan=6) #columnspan=3, rowspan=6, pady=10, padx=20)

order\_list.bind('<<ListboxSelect>>', select\_item)

#Total Price (Listbox)

displaytotalp = Listbox(root, relief="raised", height=1, width=10, border=0, font = ('Roboto',14))

displaytotalp.place(x=280, y=420)

displaytotalp.bind('<<ListboxSelect>>', select\_item)

totalpricelabel = Label(root, text='Total Price(₱)', font = ('Roboto',13))

totalpricelabel.place(x=145, y=420)

#Total Weight (Listbox)

displaytotalw = Listbox(root, relief="raised", height=1, width=10, border=0, font = ('Roboto',14))

displaytotalw.place(x=280, y=445)

displaytotalw.bind('<<ListboxSelect>>', select\_item)

totalweightlabel = Label(root, text='Total Weight(g)', font = ('Roboto',13))

totalweightlabel.place(x=145, y=445)

cashtender\_label = Label(root, text='Cash Tendered(₱)', font = ('Roboto',13))

cashtender\_label.place(x=150, y=523)

cashtender\_entry = Entry(root)

cashtender\_entry.grid(row=1, column=2)

cashtender\_entry.place(x=300, y=525)

cashenter\_btn = Button(root, text='Enter', width=12, command=cashchange)

cashenter\_btn.grid(row=2, column=2)

cashenter\_btn.place(x=440, y=522)

cashchange\_label = Label(root, text='Change(₱)', font = ('Roboto',13))

cashchange\_label.place(x=208, y=552)

cashchange\_list = Listbox(root, relief="raised", height=1, width=10, border=0, font = ('Roboto',14))

cashchange\_list.place(x=300, y=552)

cashchange\_list.bind('<<ListboxSelect>>')

# Create scrollbar

scrollbar = Scrollbar(root, width=20, border=0)

scrollbar.place(x=509, y=280, anchor=W)

# Set scroll to listbox

order\_list.configure(yscrollcommand=scrollbar.set)

scrollbar.configure(command=order\_list.yview)

# Bind select

order\_list.bind('<<ListboxSelect>>', select\_item)

root.geometry('560x680+600+3') #Window size

root.mainloop()

Cashier / db.py

import sqlite3

class Database:

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

self.conn = sqlite3.connect(db)

self.cur = self.conn.cursor()

self.conn.commit()

def fetch(self):

self.cur.execute("SELECT id, item, quantity, price, weight FROM parts WHERE quantity > 0")

rows = self.cur.fetchall()

return rows

def display\_price(self):

self.cur.execute("SELECT SUM(price) FROM parts")

tprice= self.cur.fetchall()

return tprice

def display\_weight(self):

self.cur.execute("SELECT SUM(weight) FROM parts")

tweight= self.cur.fetchall()

return tweight

def reset\_all(self):

self.cur.execute("UPDATE parts SET quantity = 0, price = 0, weight = 0")

self.conn.commit()

def getordero(self,orderid1,orderid2,orderid3,orderid4):

self.cur.execute("SELECT id, item, (SELECT orange FROM orders WHERE orderid = ? AND orange > 0),\

((SELECT orange FROM orders WHERE orderid = ? AND orange > 0)\*(SELECT price FROM inventory WHERE id = 1)),\

((SELECT orange FROM orders WHERE orderid = ? AND orange > 0)\*(SELECT weight FROM inventory WHERE id = 1))\

FROM parts WHERE id = 1 AND (SELECT orange FROM orders where orderid = ? AND orange > 0)",(orderid1,orderid2,orderid3,orderid4,))

fetch\_order = self.cur.fetchall()

return fetch\_order

def getordera(self,orderid1,orderid2,orderid3,orderid4):

self.cur.execute("SELECT id, item, (SELECT apple FROM orders WHERE orderid = ? AND apple > 0),\

((SELECT apple FROM orders WHERE orderid = ? AND apple > 0)\*(SELECT price FROM inventory WHERE id = 2)),\

((SELECT apple FROM orders WHERE orderid = ? AND apple > 0)\*(SELECT weight FROM inventory WHERE id = 2))\

FROM parts WHERE id = 2 AND (SELECT apple FROM orders where orderid = ? AND apple > 0)",(orderid1,orderid2,orderid3,orderid4,))

fetch\_order = self.cur.fetchall()

return fetch\_order

def getorderb(self,orderid1,orderid2,orderid3,orderid4):

self.cur.execute("SELECT id, item, (SELECT banana FROM orders WHERE orderid = ? AND banana > 0),\

((SELECT banana FROM orders WHERE orderid = ? AND banana > 0)\*(SELECT price FROM inventory WHERE id = 3)),\

((SELECT banana FROM orders WHERE orderid = ? AND banana > 0)\*(SELECT weight FROM inventory WHERE id = 3))\

FROM parts WHERE id = 3 AND (SELECT banana FROM orders where orderid = ? AND banana > 0)",(orderid1,orderid2,orderid3,orderid4,))

fetch\_order = self.cur.fetchall()

return fetch\_order

def getordertp(self,orderid1,orderid2,orderid3):

self.cur.execute("SELECT SUM(((SELECT orange FROM orders WHERE orderid = ?)\*(SELECT price FROM inventory WHERE id = 1))\

+((SELECT apple FROM orders WHERE orderid = ?)\*(SELECT price FROM inventory WHERE id = 2))\

+((SELECT banana FROM orders WHERE orderid = ?)\*(SELECT price FROM inventory WHERE id = 3)))"\

,(orderid1,orderid2,orderid3,))

fetch\_order = self.cur.fetchall()

return fetch\_order

def getordertw(self,orderid1,orderid2,orderid3):

self.cur.execute("SELECT SUM(((SELECT orange FROM orders WHERE orderid = ?)\*(SELECT weight FROM inventory WHERE id = 1))\

+((SELECT apple FROM orders WHERE orderid = ?)\*(SELECT weight FROM inventory WHERE id = 2))\

+((SELECT banana FROM orders WHERE orderid = ?)\*(SELECT weight FROM inventory WHERE id = 3)))"\

,(orderid1,orderid2,orderid3,))

fetch\_order = self.cur.fetchall()

return fetch\_order

def getchange(self,cashenter,orderid1,orderid2,orderid3):

self.cur.execute("SELECT ? - (SELECT SUM(((SELECT orange FROM orders WHERE orderid = ?)\*(SELECT price FROM inventory WHERE id = 1))\

+((SELECT apple FROM orders WHERE orderid = ?)\*(SELECT price FROM inventory WHERE id = 2))\

+((SELECT banana FROM orders WHERE orderid = ?)\*(SELECT price FROM inventory WHERE id = 3))))"\

,(cashenter,orderid1,orderid2,orderid3,))

fetch\_change = self.cur.fetchall()

return fetch\_change

def \_\_del\_\_(self):

self.conn.close()

db = Database(r'\\raspberrypi\share\jsj.db')