Python/PostgreSQL Exercise 5

**Name:** Eunsu (David) Kim

1. SQL Code:

from flask import Flask, render\_template, request

from flask\_sqlalchemy import SQLAlchemy

app = Flask(\_\_name\_\_)

app.config['SQLALCHEMY\_DATABASE\_URI']='postgresql://postgres:1234@localhost/demoDB'

db = SQLAlchemy(app)

# Define db model

class Data(db.Model):

\_\_tablename\_\_ = "customers"

id = db.Column(db.Integer, primary\_key=True)

firstname = db.Column(db.String(120))

lastname = db.Column(db.String(120))

email = db.Column(db.String(120), unique = True)

total = db.Column(db.Numeric)

def \_\_init\_\_(self, firstname, lastname, email, total):

self.firstname = firstname

self.lastname = lastname

self.email = email

self.total = total

# Homepage when the application runs.

@app.route("/")

def home():

return render\_template("index.html")

@app.route("/cartPage")

def cart():

return render\_template("cartPage.html")

@app.route("/completedOrder")

def orderComplete():

return render\_template("completedOrder.html")

# Handles the homepage when the form is submitted

# request.method == "POST" is collecting the data of the form when the submit button is clicked.

@app.route("/cartPage", methods=["POST"])

def thankyou():

if request.method == "POST":

firstname = request.form["fName"]

lastname = request.form["lName"]

email = request.form["email"]

total = request.form["orderTotal"]

print(request.form)

# Last Step: commit - collect and send data to database

data = Data(firstname, lastname, email, total)

db.session.add(data)

db.session.commit() # Execute the data into database

return render\_template("completedOrder.html")

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

app.run()

app.debug = True

Screenshot of *customers* table:

Graphical user interface, application

Description automatically generated