900 San Marcelino Street, Ermita, Manila 1000

CPE509L : ONLINE TECHNOLOGY LAB

Dream Flora Inventory System

Group B

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Title of Project: Dream Flora Inventory System

I. Introduction

Human interactions are a mystery even in our generation, and one form of interaction is showing and giving Love. In that intimate scenario, flowers show as a symbolism to Love. It gives florists a responsibility for the individuals who wants to deliver and share their message to their significant other. In that case, recording data of every flower in stock plays a role in the managing system of any business not only with the business in flowers but also business that requires selling of products. The process of tabulating stocks of the products adds substantial amount of work for the proprietors. An inventory system of a flower shop is a decidedly necessary service to the business especially in peak season during Valentines, Wedding Ceremonies, Mourning and the holiday seasons which it can provide convenience and a productive output.

The project entitled “Dream Flora Inventory System” is an inventory system for flowers where the developers monitor and control the in and out of stocks in record. The project is developed in python language, which focuses on basic operations by adding, updating, and removing products, viewing all products and search product by name. It is aimed to help users maintain and organize a stock record.

II. Objectives

2.1. To develop a Flower Shop Inventory System applying Python Flask Programming and MySQL Database.

2.2. To create a structure and design to express the visualized concept with Use Case, Activity, Conceptual class and Detailed class diagrams.

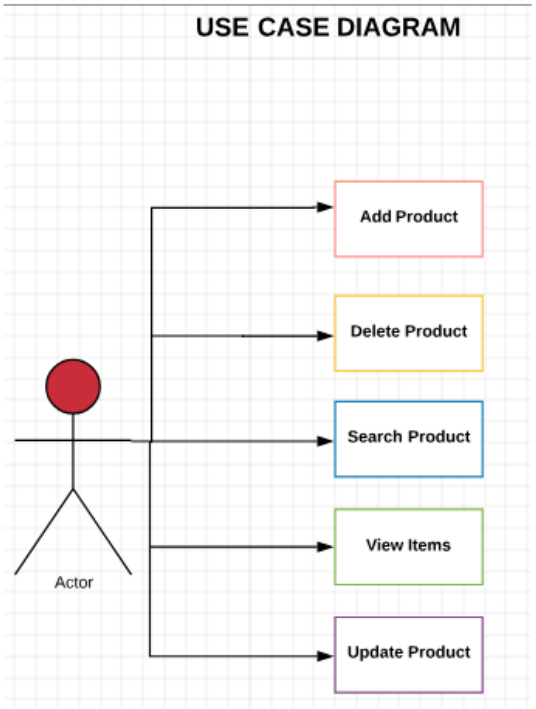
2.3. To apply the lessons learned in this course, Online Technology Laboratory.

III. UML

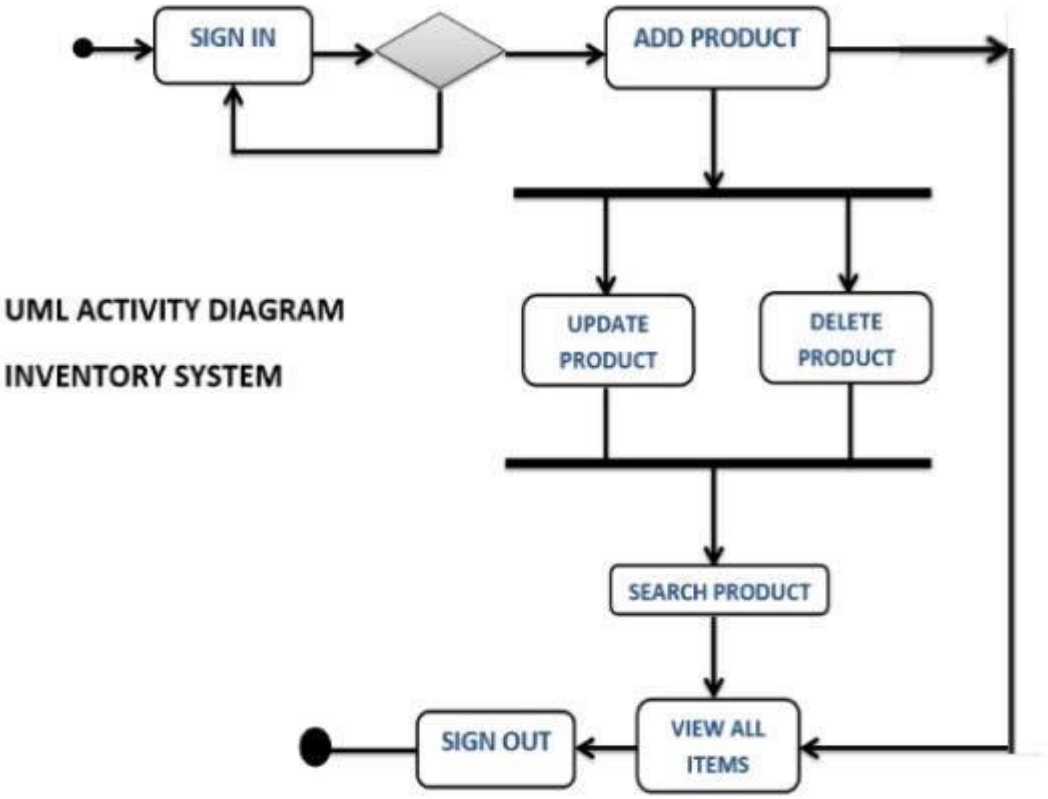
3.1. Use Case Diagram

USE CASE DIAGRAM

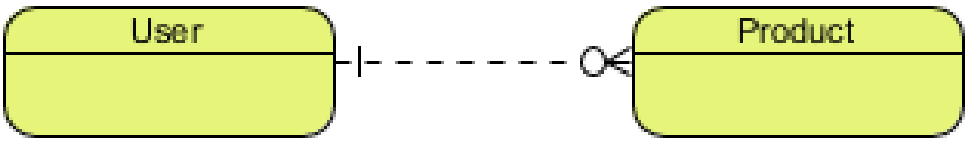
DREAM FLORA INVENTORY



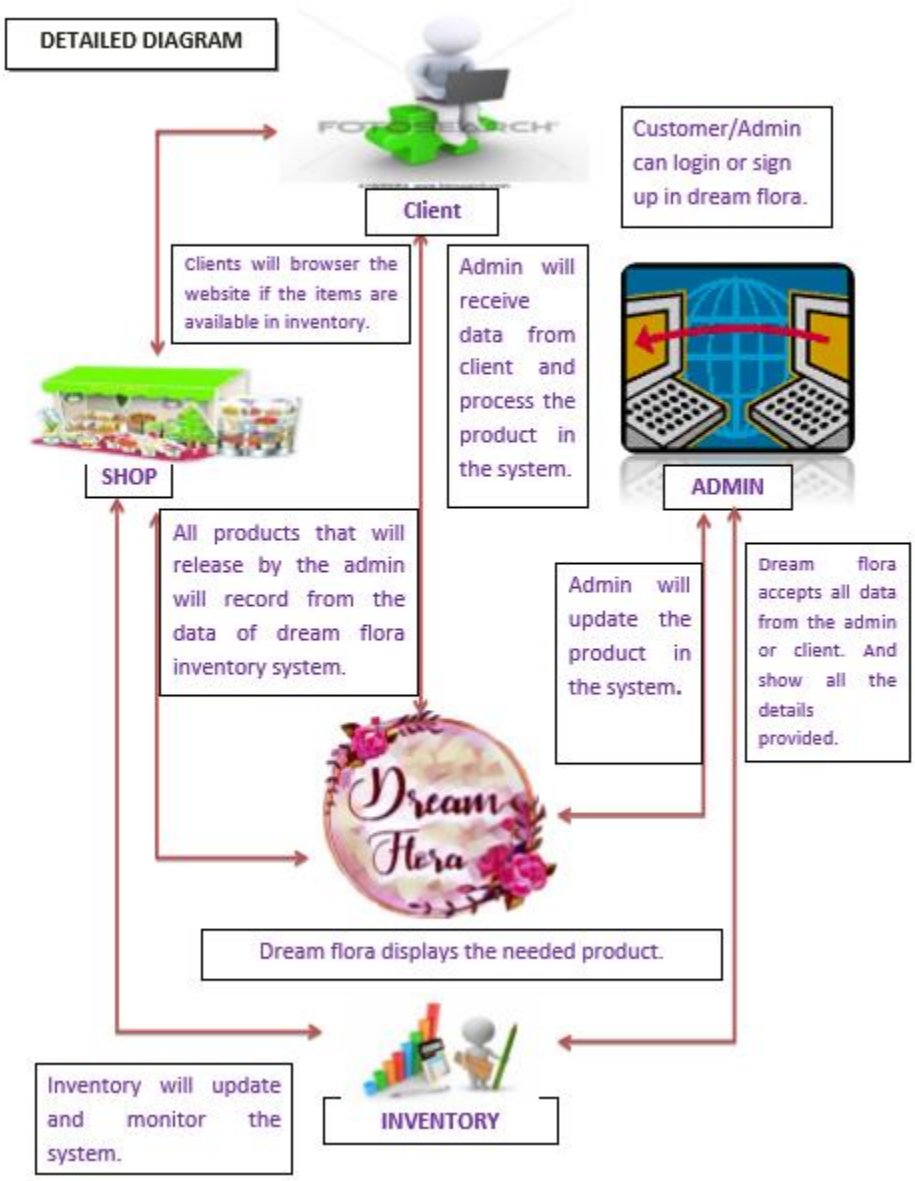
3.2. Activity Diagram



3.3. Conceptual Class Diagram



3.4. Detailed Class Diagram



IV. READ ME

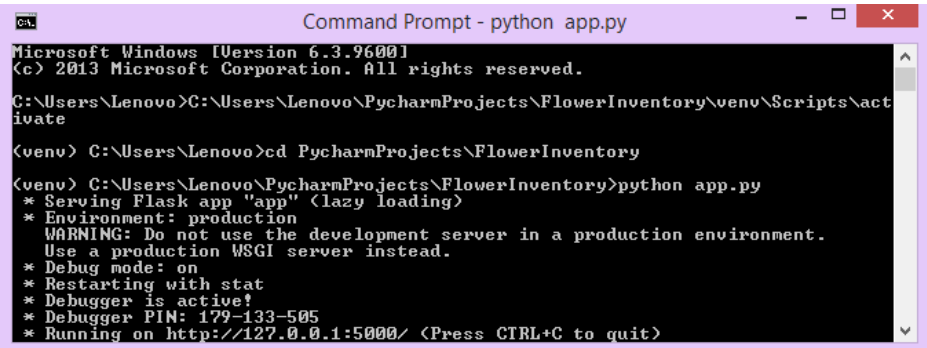
4.1. Installation Instructions

1.) Download the FlowerShopInventory repository by going to the git link: https://github.com/rochellegb/FlowerShopInventory
2.) Place the cloned folder under your Users directory “PycharmProjects”, for the Backend folder, import the database SQL text files using MySQL Workbench.
3.) Install all the dependencies included in the requirements.txt file
4.) Open the FlowerShopInventory Project in Pycharm then run phyton file app.py
5. Visit the website on python localhost http://127.0.0.1:5000/
6. (To log into inventory page, use the username ‘admin’ and password ‘admin’.)

If 'A' does not work, follow the steps in 'B' but still import the database.

Using Command Prompt:
1.) From the ‘FlowerShopInventory’ folder, extract the zipped folder ‘FlowerInventory’ to the 'PycharmProjects' folder.
2.) Run Command Prompt.
3.) Go to the virtual environment by commanding PycharmProjects\FlowerShopInventory\venv\Scripts\activate
4.) Change Directory to the PycharmProjects\FlowerShopInventory
5.) Type "python app.py" then Enter
6.) Visit the website on python localhost http://127.0.0.1:5000/
7.) (To log into inventory page, use the username ‘admin’ and password ‘admin’)

(Sample screenshot using command prompt)



4.2. Module

Flask==1.0.2
Flask-Env==2.0.0

flask-marshmallow==0.9.0

mysql-connector-python==8.0.13

PyMySQL==0.9.2

marshmallow-sqlalchemy==0.14.1

Jinja2==2.10

pip==10.0.1

4.3. Function Requirements

1. Login/Logout
2. Add Product
3. Update Product
4. Delete Product
5. View all Product
6. Search Product by Name