Capstone-Project- Flower Shop Web Application

Online platform for ordering and customizing bouquets from home.

1. Project Overview and Description

This project is a Flower Shop Web Application designed to allow users to order and customize bouquets online. Users can either choose from pre-designed bouquets or create their own arrangement based on their preferences.

Target Users: Flower shop customers who want to conveniently order flowers online.

Project Goal: To save users' time by providing a seamless online ordering experience that can be done from home, while also offering customization options for their bouquets.

Competitive Analysis & Value Proposition:

While there are several established online flower delivery websites such as 1-800-Flowers, FTD, and ProFlowers, this project offers unique value through:

Full Bouquet Customization: Users can fully design their bouquet according to their preferences, selecting types, colors, and arrangement of flowers.

User-Friendly Experience: A simple, intuitive interface ensures that users of all ages can easily browse, customize, and place orders.

Support for Local Flower Shops: Focuses on helping local or small flower shops showcase their bouquets online.

Personalized Customer Interaction: Features like reviews, ratings, and sharing bouquet designs give a more engaging and personal experience.

Time-Saving Convenience: Streamlined ordering, payment, and tracking process for customers.

2. Tech Stack

Programming Languages & Frameworks:

Python

Django (Backend Framework)

HTML, CSS (Frontend)

Database:

PostgreSQL

Tools & Platforms:

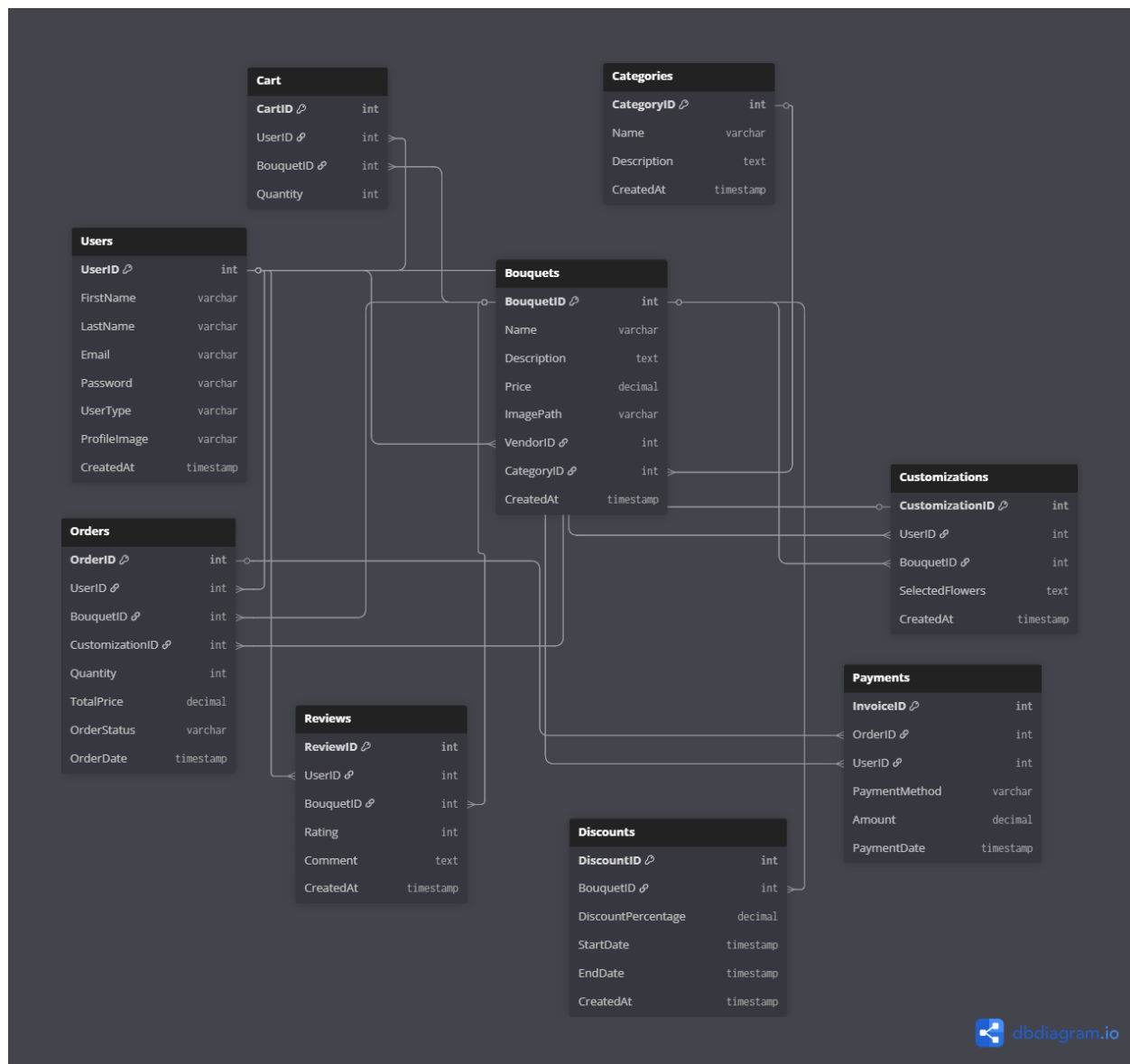Git & GitHub (Version Control)

Visual Studio Code (IDE)

Additional Packages (Optional / Future Use):

Pillow (for image uploads and processing)

3. ERD / Data Model

The main entities of the application include Users, Bouquets, Orders, Customizations, Reviews, Cart, Payments, Categories, and Discounts.

5. User Stories / Features

1. Customer / User Stories

- Browse Bouquets: As a customer, I want to browse available bouquets so that I can choose one I like.

- Customize Bouquet: As a customer, I want to customize a bouquet so that it matches my preferences.

- Add to Cart: As a customer, I want to add bouquets to my cart so that I can review and purchase them later.

- Place Order: As a customer, I want to place an order online so that I can have the bouquet delivered to my home.

- View Order History: As a customer, I want to view my order history so that I can track previous purchases.

- Write Reviews: As a customer, I want to write reviews and rate bouquets so that I can share my feedback.

2. **Flower Shop / Vendor User Stories**

- Add Bouquets: As a vendor, I want to add new bouquets so that customers can see and buy them.

- Update / Delete Bouquets: As a vendor, I want to update or delete bouquets so that my offerings are always current.

- View Orders: As a vendor, I want to view incoming orders so that I can prepare and deliver them on time.

- View Feedback: As a vendor, I want to see customer feedback so that I can improve my products.

3. **Admin User Stories**

- Manage Users: As an admin, I want to manage users (customers and vendors) so that I can maintain control over the platform.

- Manage Site Content: As an admin, I want to manage site content and pages so that the website stays up-to-date.