

Petals&Pines

Sagar Lepcha(12210029)
Kuenga Tshering(12210018)
Tandin Zangmo(12210092)

Problem Statement

Traditional floral shops often struggle with limited customer reach, inefficient order management, and inventory tracking challenges. Customers face difficulties in browsing available plants, bouquet, and floral arrangements, leading to missed sales opportunities. Petals&Pines - a dedicated online platform for the floral shop will streamline operations by offering a user-friendly interface for browsing and ordering the products. This platform will bridge the gap between the shop and its customers, ensuring a seamless and delightful experience.

Literature Review

TopBloemen.nl

FlowersToUAE

Utty Flower Shop

Aim

Develop a fully functional and secure e-commerce platform for both buyers and the shopkeeper.

Objectives

- Develop a web application with a robust and warm user experience and interface.
- Implement DevSecOps practices to ensure continuous integration and delivery of features.
- Enhance security measures by integrating security practices throughout the development lifecycle.
- Develop an admin dashboard to monitor and maintain the web application.

Scope

Bhutanese (Within Bhutan)

Tech stack

HTML

JavaScript

CSS

Express.js

NodeJs

MongoDB

Docker

Functional Requirements

User

- Registration and Authentication
- Search and Filtering
- Shopping Cart and Checkout Process

Admin

- Product(plant) management
- Order management
- User Profile management

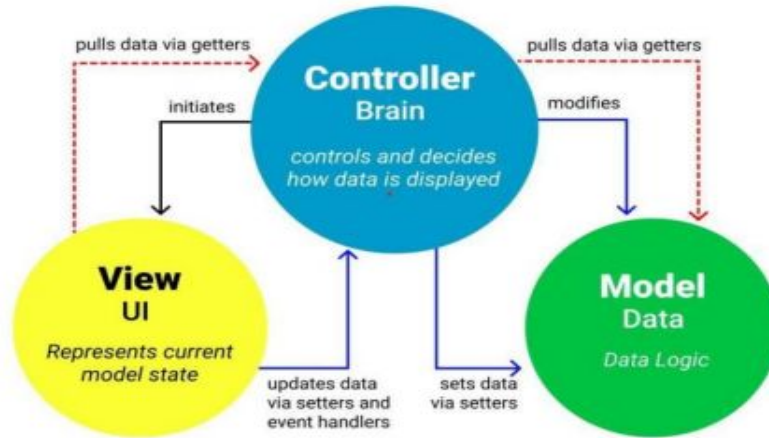
Non-Functional Requirements

- Portability
- Availability
- Compatibility
- Reliability
- Better UI Quality

System Architecture

MVC architecture

MVC Architecture Pattern



Diagrams

Workflow

Use Case Diagram

Thank You :)