

PROJECT

Submitted by:

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GreenCore – Plant Store application

Abstract:

This application provides a concise overview of the app's purpose, functionalities, and benefits.

The plant store app, developed using Flutter, aims to create an immersive and user-friendly platform for plant enthusiasts to explore, purchase, and care for a wide variety of plants and its accessories. With a focus on delivering an engaging and visually appealing experience, the app seeks to cater to both beginners and experienced plant lovers.

Modules:

Authentication:

- Sign up, sign in, and sign out functionality.
- User profile management (e.g., updating profile, password reset).
- Authentication middleware to protect sensitive routes.

Product Module:

- Displaying a list of plant products with images, names, and prices.
- Filtering and sorting options for products.
- Product detail page to show additional information about a specific plant.
- Shopping cart functionality to allow users to add products.

Shopping Cart Module:

- Displaying the list of products added to the cart.
- Updating the quantity or removing items from the cart.
- Calculating the total price of items in the cart.

Payment Module:

- Integrating with a payment gateway for secure payments (e.g., Stripe, PayPal).
- Handling payment transactions and processing.

Order Module:

- Displaying the user's order history.
- Showing order details with items purchased and payment information.

Search Module:

- Implementing a search functionality to find plants by name or category.

Favorites Module:

- Allowing users to mark products as favorites for easy access.

Settings Module:

- Providing users with app settings, e.g., managing profile

UI Components Module:

- Creating reusable UI components like buttons, cards, etc., for consistent design.

The application consists of Users Like:

Buyer (Customer) User:

Buyers are the primary users of the plant store application. They are individuals or customers who visit the platform to browse and purchase plants and related products.

Key Features:

- Browse and search for plants by categories, names, or filters.
- View detailed product pages with images, descriptions, and pricing.
- Add products to the shopping cart for later purchase.
- Proceed to the checkout for payment and order placement.
- View their order history and order statuses.
- Leave reviews and ratings for purchased products.
- Save favorite products for easy access.
- Opt-in for notifications about order updates and promotions.
- Authentication: Buyers may have the option to register and create an account, but guest checkout should also be available for quick purchases.

Seller (Vendor) User:

Sellers or vendors are individuals or businesses who supply plants and related products to the store for sale to customers.

Key Features:

- Access to a dedicated vendor dashboard for product management.
- Add new plant products with details, images, and pricing.
- Update and edit their product listings as needed.
- Manage inventory and stock levels for their products.
- Process and fulfill orders by marking them as shipped or delivered.
- View sales reports and analytics specific to their products.
- Respond to customer reviews and ratings for their products.
- Verification: Vendors may need to go through a verification process before being allowed to sell products on the platform.
- Commission: Depending on the platform's policy, vendors may be charged a commission on their sales, and this should be tracked and calculated.
- Withdraw

Administrator User(Admin Web Panel):

Administrators are the platform's superusers responsible for managing and overseeing the entire plant store application.

Key Features:

- Access to a powerful admin dashboard for site management.
- Manage user accounts and roles (e.g., buyers, sellers).
- Monitor and moderate user-generated content like reviews and ratings.
- Add, edit, or remove plant categories and subcategories.
- Monitor and analyse platform analytics, sales, and revenue.
- Handle customer support issues and inquiries.
- Manage and maintain the overall health and security of the platform.
- Authorization: Administrators have elevated privileges to perform critical actions on the platform.

Mini Project:

Customer:

- Intuitive user interface:
A design that allows users to easily understand and interact with the application without the need for extensive explanations or instructions.
- Shopping cart and checkout
Enable users to collect and manage selected products for purchase and seamlessly proceed with the payment process to complete their order.
- Search bar
Allows users to input keywords or phrases to search for specific content, products, or information within an application.
- Account screen
Section within an application where users can manage and view their account-related information and settings.
- Order product
User selects one or more products they want to purchase.
- Plant Care Description
A detailed set of instructions and guidelines provided to users for properly nurturing and maintaining plants they have purchased or plan to grow.

Seller/ Vendors:

- Upload products
Sellers can add their products to the platform, providing details and images for display to potential customers.
- Manage orders
Sellers have access to order information, allowing them to process and fulfill customer orders efficiently.

- Login/logout
Can securely log in and log out of their vendor accounts to access the dashboard.
- Create vendor account
Individuals or businesses can sign up and create vendor accounts to start selling their products on the platform.

Admin panel(Web):

- Manage vendor
The admin panel allows administrators to oversee and control vendor accounts, activities, and permissions.
- Manage buyers
Administrators have the ability to handle buyer accounts, monitor activities, and address any customer-related issues.
- Categories
Manage and organize product categories, making it easier for users to find and browse products.
- Products
Admin panel provides tools to manage product listings, ensuring accurate information and availability on the platform.

Main Project:

- Augmented Reality Support
- Video Support
- Custom Notification/ Care reminder
- Plant Identification (Sub app)
- Chatbot
- Wishlist
- Payment Gateway

Sellers:

- Earning Statistics
- Withdrawal
- Edit page

Admin:

- Withdrawal and order management
- Banner management

Seminar:

- Plant identification / classification using images.