

Project Title: **GreenCart**



- **Stack Holder:**

1. Admin
2. Customer

- **Goal**

The goal of this project is to create an online platform for selling organic products, supporting the health and well-being of patients and people in urban areas. It will enable an admin to efficiently manage products, orders, and customers. Customers can browse, purchase, and track orders with ease, promoting access to fresh and authentic organic products. The platform aims to provide a secure, user-friendly shopping experience while fostering healthy living. Ultimately, it seeks to drive sales growth, build brand trust, and support the well-being of communities.

- **Scope:**

The scope of this project is to develop a web application that facilitates the online sale of organic products, supporting the health and well-being of patients and people in urban areas. The platform will cater to two

primary stakeholders: Admin and Customers. The system aims to bridge the gap between authentic organic product suppliers and consumers seeking healthy, natural products.

This project will provide a centralized platform where Admins can manage product listings, monitor customer activity, and oversee orders. On the other hand, Customers will have access to a simple, user-friendly interface to browse, purchase, and track their orders online. The platform is dedicated to promoting healthy living through the easy availability of fresh and authentic organic products.

Core Features:

1. User Authentication & Authorization

- **Email/Password Login:** Secure user login using encrypted credentials.
- **Social Login:** Users can sign in via Google or Facebook using OAuth2.
- **Role-Based Access Control:** Role-based permissions for Admin (Product Management), Customer (Shopping & Order), and Guest users (Browsing).

2. Product Management (Admin)

- **Add Products:** Admin can upload new organic products with detailed descriptions, images, price, and category.
- **Edit/Delete Products:** Admin can modify or remove existing product listings.
- **Inventory Management:** Admin can manage stock levels and set low-stock alerts.
- **Category Organization:** Admin can categorize products (e.g., vegetables, fruits, beauty, etc.) for easy browsing.

3. User Features

- **Shopping Cart:** Users can add products to their cart, modify quantities, and proceed to checkout.
- **Order History:** Customers can view previous orders and re-order products.
- **Favorites:** Users can save their preferred products for future purchases.

- **Ratings & Reviews:** Users can leave product ratings and reviews to help others make informed decisions.

4. Search & Filters

- **Product Search:** Users can search products by name, category, or brand.
- **Advanced Filters:** Users can filter by price, product type, organic certification, and more.
- **Geolocation-Based Suggestions:** Suggest local and seasonal products based on user location.

5. Admin Dashboard

- **Sales Analytics:** Track product sales, revenue, and customer metrics.
- **Customer Management:** Admins can view and manage customer profiles, order history, and support queries.
- **Product Inventory Tracking:** Monitor stock levels and generate restocking alerts.

Advanced Features (Future Reference):

6. Real-Time Order Tracking

- **Order Updates:** Customers can receive live updates on the status of their orders, including shipping and delivery tracking.
- **Push Notifications:** Users get notified when their orders are dispatched, delivered, or face any delays.

7. Multi-Language & Regional Support

- **Multi-Language Support:** Allows users to select their preferred language for a localized experience.
- **Currency Converter:** Supports multiple currencies for international users, with automatic conversion based on user location.

8. Secure Payment Gateway Integration

- **Payment Methods:** Supports various payment options, including credit/debit cards, UPI, and digital wallets.
- **Order Confirmation & Invoicing:** Automatically generates order confirmations and invoices for customers post-purchase.

Technologies

Frontend

- Frameworks: ReactJS

Backend

- Framework: Node.js

Database

- NoSQL: MongoDB