

Requirement Gathering

Project Overview

Enchanted Eden is a comprehensive application designed to digitalize the traditional plant nursery experience. The platform addresses the challenge of limited accessibility to nursery products and services by providing an online space where users can browse, purchase, and manage plant-related products and services without needing to visit a physical nursery. The primary objective is to enhance customer convenience and streamline operations through an integrated commercial and agriculture support system.

System Scope

The system is proposed for full-scale implementation, providing a fully functional and accessible online platform for nursery products and services. It will cater to all intended geographical areas and include features for end-users, administrative staff, plant care specialists, and delivery personnel.

Target Audience

1. **User Groups:**
 - Plant lovers
 - Farmers
 - Agriculture experts
2. **Stakeholders:**
 - Administrative staff
 - Delivery personnel

Modules

1. **User Management:**
 - User registration and login
 - Profile management for registered users
2. **Product Catalog Management:**
 - Browse and filter plants
 - View product and care information
3. **Order Management:**
 - Purchase plants
 - View order status
 - Manage delivery details
4. **Cart Management:**
 - Add products to the cart
 - Review and modify cart contents before purchase
5. **Payment Processing:**

- Secure online payments
- 6. **Community Engagement:**
 - Leave and react to product reviews and feedback
 - Access blog and educational resources
 - Participate in discussion forums
- 7. **Plant Care:**
 - Monthly registration of plants
 - Registration of externally purchased plants
- 8. **Admin Management:**
 - Inventory, user, and content management
 - Sales and feedback report generation
- 9. **Inventory Management:**
 - Add, update, and remove products from the catalog
 - Monitor stock levels and inventory
- 10. **Delivery Management:**
 - Assignment and tracking of deliveries
 - Status updates by delivery personnel
- 11. **Machine Learning Tools:**
 - Detect pests and diseases from plant images
 - Plan and design virtual gardens
 - Identify trending products of the season

User Roles

1. **Guest Users:**
 - Browse products
 - View product information
 - Access blog content
 - Registration and login
2. **Registered Users:**
 - Browse and view product details
 - Filter products
 - Place orders
 - Track orders
 - Submit reviews
 - Register plants for monitoring
 - Plan virtual gardens
 - Use ML tools for pest and disease detection
 - Request planting assistance
 - Participate in gardening discussions
3. **Administrative Staff:**
 - Manage inventory and user accounts
 - Oversee planting details
 - Generate reports on sales and customer feedback
 - Update and monitor the status of purchased products
 - Assign specialists

- Manage farmers
- Receive restocking alerts
- Assign orders to delivery personnel
- 4. **Plant Care Specialists:**
 - Create content for blogs
 - Moderate community discussions
 - Provide feedback on monthly reviews
- 5. **Delivery Personnel:**
 - Manage orders
 - Update delivery statuses

System Ownership

The system is owned by **Vadakkechirayath Nursery and Farms**, an organization specializing in plant sales and agricultural services.

Industry or Domain

Agriculture and eCommerce

Data Collection Contacts

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