

## **Requirement Gathering**

### **1. Project Overview?**

GreenCore is a user-friendly mobile application developed using Flutter, catering to plant enthusiasts. The app offers a diverse selection of plants and related products for both beginners and experienced plant lovers. Users can explore, purchase, and care for plants, while sellers can manage their product listings through the app. The project includes a web-based admin panel to oversee the application's operations efficiently. GreenCore aims to create a vibrant community of plant enthusiasts and promote green living through a seamless and engaging user experience.

### **2. To what extend the system is proposed for?**

The system, GreenCore, is proposed to serve as a highly accessible and user-friendly platform for plant enthusiasts. It aims to cater to a wide range of users, including hobbyist gardeners, indoor plant lovers, and individuals interested in incorporating green living into their lifestyle. The system is designed to offer an extensive selection of plants and related products, ensuring that users can find and purchase items that align with their preferences and interests.

GreenCore seeks to provide a holistic plant-loving experience by offering not only a diverse range of plant species but also related products such as gardening tools, pots, fertilizers, and plant care guides. The application is curated to accommodate the needs and preferences of users with varying levels of gardening expertise, making it suitable for both newcomers and experienced plant enthusiasts.

The primary goal of the GreenCore system is to foster a vibrant and engaging community of plant lovers. It aims to create a space where users can interact, share experiences, and seek advice from fellow plant enthusiasts. Additionally, the system will encourage user-generated content, such as product reviews and ratings, to promote transparency and build trust among users.

To extend the system's reach and impact, GreenCore is envisioned as a cross-platform mobile application, compatible with both iOS and Android devices. This approach allows the application to reach a broader audience and provide a seamless experience across different mobile platforms.

Overall, the proposed system, GreenCore, aims to revolutionize the way users explore, purchase, and care for plants. By providing a comprehensive and immersive platform, it seeks to inspire and empower individuals to embrace green living and foster a deeper connection with nature.

### **3. Specify the Viewers/Public which is to be involved in the System?**

- Plant Enthusiasts
- Hobbyist Gardeners
- Indoor Plant Lovers
- Sellers (Vendors)
- Administrators (App Managers)

**4. List the Modules included in your System?**

- Authentication
- Product Listing
- Shopping Cart
- Secure Payment
- Order Management
- Reviews and Ratings
- Seller Management
- Admin Panel
- User Profile Management
- Search Functionality
- Favorites
- Settings
- UI Components

**5. Identify the users in your project?**

- Buyers (Customers)
- Sellers (Vendors)
- Administrators(AppManagers)

**6. Who owns the system?**

Administrator

**7. System is related to which firm/industry/organization?**

The GreenCore system is related to the plant retail industry, specifically catering to plant enthusiasts, gardeners, and individuals interested in purchasing plants and related products. The system provides a platform for sellers (vendors) such as plant nurseries and other suppliers to showcase and sell their products to a targeted audience of plant lovers. The system aims to create a vibrant and user-friendly ecosystem that fosters a community of plant enthusiasts.

**8. Details of person that you have contacted for data collection?**

Reji Kurian (GreenFarm ,Mundakayam, Kottayam)

**Questionnaire to collect details about the project? (min 10 questions)**

**1. Who is the intended target audience for the GreenCore application?**

Plant enthusiasts, gardeners, and individuals interested in exploring and purchasing a wide variety of plants and related products.

**2. What are the key features and functionalities that the GreenCore app will offer to its users?**

User authentication, product listings, shopping cart, secure payment, order history, reviews & ratings, seller management, and administrator panel.

**3. Which technologies and frameworks will be used to develop the GreenCore application?**

Flutter for app development and Firebase for user authentication, real-time database, and cloud storage.

**4. Identify the different user roles within the application?**

Buyers (Customers), Sellers (Vendors), and Administrators (App Managers).

**5. How will the plant and product listings be organized and displayed for users to explore?**

Plants and related products will be displayed categorically with images, descriptions, and prices.

**6. Describe how sellers can manage their product listings and inventory?**

Sellers can manage their product listings and inventory through the app(through their account).

**7. What functionalities will be available in the web-based administrator panel to oversee the application's operations?**

- User Management
- Product Management
- Order Management
- Reviews and Ratings
- Customer Support
- Content Management
- Security and Data Management
- Seller Verification

**8. Are there any plans for future enhancements or additional features in the GreenCore application?**

- Plant Care and Tips
- Plant Identification using ML
- Wishlist and Gift Registry
- Live Chat Support
- Augmented reality support

**9. Provide an estimated timeline for the development and launch of the GreenCore app.**

About 4-5 months