PlantPulse

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Submitted By

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Project Overview: PlantPulse is an extensive platform designed to cater to plant enthusiasts, gardeners, sellers, and experts. It focuses on various aspects of plant-related activities, including plant consultation, propagation techniques, and the sale of plants, seeds, fertilizers, and accessories. The platform aims to create an online ecosystem where users can discover, care for, buy, and share knowledge about plants.

To what extent is the system proposed for: The system covers a wide range of plant-related activities and serves the needs of individuals passionate about plants. It offers functionalities for plant discovery, care, commerce, and knowledge sharing.

Specify the viewer/public which are to be involved in the system: PlantPulse is an extensive web platform designed to cater to Admin, Customer, Botanist, Horticulture Expert and Delivery.

Admin Module: Responsible for overall system management, including user, product, and order management.

Customer Module: Allows users to register, browse and purchase products, request consultations, design plants, and manage shopping preferences.

Botanist Module: Enables botanists to register, respond to inquiries, manage user demands, and use advanced features like plant disease detection and identification.

Horticulture Expert Module: Allows horticulture experts to register, develop desired plants, provide tutorials, and manage user demands.

Delivery Module: Facilitates order delivery management and status updates.

List the Modules included in your System:

Admin:

- system management
- user management
- product management
- inventory control
- order management
- overall system administration.

Customers:

- User registration and login
- browse products
- consultation request
- orders
- use various e-commerce features.

Botanist: Botanist who can provide expert advice in response to consultation requests from customers.

Horticulture Expert: Experts who can fulfill user demands for various propagation techniques and ensure plant quality.

Delivery Boy: Personnel responsible for managing and updating order statuses, as well as confirming deliveries.

Users in the Project:

The primary users in the project are Admins, Customers, Botanists, Horticulture Expert , and Delivery Personnel. Additionally, end-users such as plant enthusiasts, gardeners, and sellers interact with the system.

Ownership of the System:

The system is owned by the organization or entity responsible for its development and maintenance. This could be a company, institution, or group of individuals

System Relation to Firm/Industry/Organization:

The system is related to the plant and gardening industry, providing a digital platform for individuals and businesses involved in plant-related activities. It caters to a diverse range of users within this industry, including enthusiasts, gardeners, sellers, and experts.

The system is related to the plant and agriculture industry, catering to plant enthusiasts, gardeners, and experts in botany and horticulture.

Details of person that you have contacted for data collection?

Roshan Joseph

Infarm Nursery

Kozhikode

Ph:9745670207

1.Which type of bills are used?
Hand written bills are used to give the customer.

2. How did you maintain the details of available stock of plants?
In shop register book all the details of plants and there available stocks are stored.

3. Have any online delivery services?
No we don‟t have any type of delivery.

4. How the bills details are stored?
The bill amount is store in the shop register.

5. Which type of payment methods are used in your shop?
We offer multiple payment options to accommodate our customers, which include cash, credit cards, and checks. Additionally, we accept online payment services like Google Pay.

6. How did the customers known about your shop?
Either by phone call or visiting to the shop.

7. How the customers details are stored?

Store in the shop register.

8.Did you offer any festival coupons or compo offers?
Yes , we provide offers in festival seasons.

9. What makes plants grow faster?
Plants can grow faster and larger when they receive essential elements such as water, air, light, soil nutrients, and the appropriate temperature, along with proper care and attention.

10. How often do you restock your inventory?
We restock our inventory on a regular basis, typically every week or two. However, availability may vary depending on the season and demand for certain plant.

Feasibility Study

Economical Feasibility: An economic feasibility analysis is a commonly used method for evaluating the profitability and efficiency of a new project. It involves identifying the expected profits from a project against the investment required. It estimate the costs associated with system development, including software, hardware, personnel, and ongoing maintenance. Compare these costs to the expected benefits and potential revenue generated by the system.
Cost Estimation: Calculate the total costs associated with the project, including development, infrastructure, machine learning, integration, operational, and maintenance costs.

Benefit Estimation: Estimate the potential benefits in terms of time savings, increased revenue, and enhanced user experience.

Technical Feasibility: The technical feasibility study evaluates the technical aspects of a proposed project, including the availability of required technology and resources. It assesses the project's scope,complexity, technical expertise required, and potential risks. In the context of plantpulse project, technical feasibility involves assessing whether the proposed technologies, such as automated plant disease detection,virtual garden planner,plant identification and inventory management etc., can be effectively implemented within the project's scope and timeframe.

Operational Feasibility:
Evaluate whether the proposed system can be effectively integrated into the existing operations of a plant nursery, including inventory management and delivery processes.