A

SYNOPSIS REPORT

On

TREECART

Submitted in partial fulfilment of the requirements of the degree of

MCA Department of Trinity Academy of Engineering

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Introduction

There has been increasing demand for horticultural crops more particularly fruit and ornamentals ones in both urban and rural areas of India. So the increasing demand for good quality planting material hence nursery business has developed rapidly in recent years. Nursery product is no longer restricted to orchards or large parks and gardens. It has been used for decoration purpose and etc. Heavy demand is observed during festive seasons and seasons of melas and fairs.

Treecart is the online nursery plant store is web based system that comfort and convenience of your homes. With this web based system customer can view the plants with details such as plants cost etc. carefully package and ship our plants to ensure they arrive at your doorstep in excellent condition. Treecart also provide ongoing customer support to answer any questions or concerns you may have, as we want your gardening experience to be enjoyable and successful.

Problem Statement

The existing nursery store system faces several challenges and limitations that hinder its ability to meet the evolving needs and expectations of customers. The following problem statement summarizes the key issues that the proposed system aims to address:

The current nursery store system lacks an online presence and relies solely on a physical store setup. This limited approach restricts customer accessibility, prevents a comprehensive product range, and hampers the provision of detailed product information. Manual inventory management leads to inaccuracies, resulting in disappointed customers encountering outofstock items. The absence of personalized recommendations, convenient shopping features, and plant care resources further diminishes the overall customer experience. The system's geographical constraints and restricted operating hours fail to cater to the convenience and flexibility required by modern customers. Additionally, the lack of an online platform hampers the nursery store's ability to expand its customer base, achieve business growth, and stay competitive in the market.

Objective

The objectives of the Treecart revolve around improving the customer experience, increasing operational efficiency, and driving business growth.

1) Enhance Customer Experience: The system aims to provide a seamless and convenient online shopping experience for customers, allowing them to browse and purchase nursery products with ease. Detailed product information, personalized recommendations, and user-friendly features will contribute to an enhanced customer experience.

2) Expand Customer Reach: By transitioning to an online platform, the system aims to expand the customer base beyond the limitations of a physical store. It will enable customers from different geographic locations to access and purchase nursery products, thereby increasing market reach and potential sales opportunities.

3) Enable Personalization: The system strives to personalize the shopping experience for customers by offering user accounts, saving preferences, and providing personalized recommendations. This objective aims to foster customer engagement, loyalty, and repeat purchases.

4) Improve Inventory Management: By implementing real-time inventory management, the system aims to maintain accurate stock information and minimize the occurrence of out-of-stock situations. This objective ensures customers have reliable information about product availability, reducing disappointment and improving overall satisfaction.

5) Achieve Business Growth: By offering an enhanced online shopping experience, expanding the customer base, and increasing customer satisfaction, the system seeks to drive business growth. This objective includes attracting new customers, increasing sales, and establishing the nursery store as a reputable and successful online retailer.

Scope

The scope of the Treecart Website encompasses a range of features and functionalities aimed at providing an exceptional online shopping experience for nursery products. The system focuses on the following aspects:

Product Management: The system allows administrators to add, edit, and remove nursery products. They can include details such as product descriptions, images, pricing, and inventory management. The system also supports categorization of products for easy navigation.

User Management: Users can create personal accounts to manage their profile information, view order history, and add to cart products. The system provides user registration and login functionality, ensuring a secure and personalized experience.

Existing System and Need for System

Existing System

The limitations of the existing nursery store system highlight the need for a more advanced and inclusive online solution. Here are some common limitations:

1. Limited Accessibility: The physical store restricts access to customers who are unable to visit in person due to distance, time constraints, or mobility issues.

2. Limited Product Information: Customers may lack comprehensive product information, making it challenging to make well-informed purchasing decisions.

3. Inconvenient Shopping Experience: The physical store may have limited operating hours, resulting in inconvenience for customers who are unable to visit during those times. Additionally, customers may have to navigate through the store to find specific products.

4. Lack of Personalization: The existing system may not offer personalized recommendations or tailored promotions based on customer preferences or past purchases.

Need For System

The need for an advanced nursery store system arises from various factors that can significantly enhance the customer experience and improve business operations. With the increasing popularity of online shopping, there is a growing demand for a nursery store system that allows customers to browse and purchase products conveniently from the comfort of their homes. An online nursery store system enables businesses to expand their customer base beyond their physical location. It allows customers from different geographical areas to access and purchase products, thereby increasing sales opportunities.: Unlike a physical store, an online system operates round the clock, providing customers with the flexibility to shop at any time that suits them. This convenience enhances customer satisfaction and encourages repeat purchases.
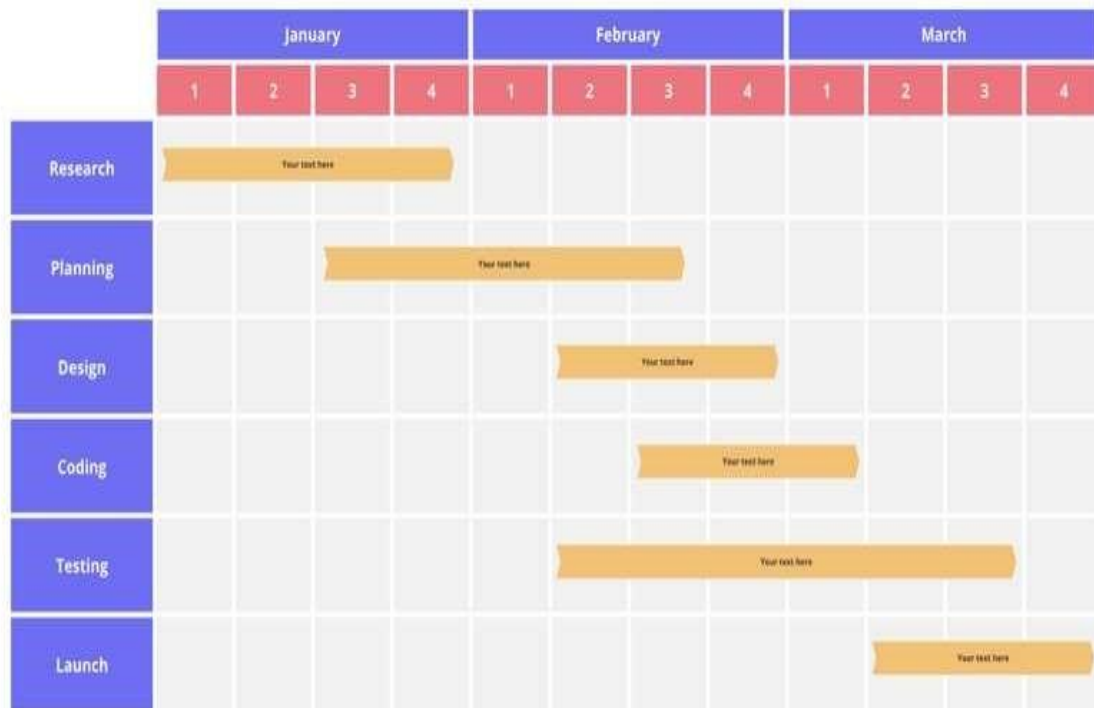
System requirement

✝ Hardware Requirements:

- Processor: Intel core i3 or above
- RAM: 4GB
- Hard Disk: 250GB

✝ Software Requirements:

- Front End: HTML, CSS & JavaScript
- Operating System: Windows 10 and above.
- Database: Xamp Server (SQL Server).
- Back End : MYSQL

Gantt Chart

	January				February				March			
	1	2	3	4	1	2	3	4	1	2	3	4
Research	Your text here											
Planning			Your text here									
Design						Your text here						
Coding							Your text here					
Testing						Your text here						
Launch										Your text here		

Module specifications (Scope)

1) **User Management Module:**

✦ Allows users to register, create accounts, and manage their profile information.

✦ Enables user authentication and login functionality for secure access to personalized features.

✦ Provides password reset and account recovery options.

2) **Product Management Module:**

✦ Allows administrators to add, edit, and delete nursery products. It supports product categorization and management of product attributes such as descriptions, images, prices, and inventory.

3) **Shopping Cart Module:**

✦ Allows users to add products to their virtual shopping cart.

✦ Provides features for viewing and modifying the cart contents.

✦ Calculates the total price and supports the ability to remove or update items.

4) **Checkout and Payment Module:**

✦ Guides users through the secure checkout process.

✦ Supports various payment methods, such as credit/debit cards, digital wallets, or cash on delivery.

✦ Integrates with a payment gateway for secure transaction processing.

Limitations & Bibliography

Limitations

1)You can't touch the product. ...

2)You cannot bargain. ...

3)Hidden costs and shipping charges. ...

4)Lack of interaction. ...

5)Returning the product.

Bibliography

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- https://www.w3schools.com

- https://www.javatpoint.com

- https://www.codecademy.com

- https://www.stackoverflow.com

YouTube video links:

1. https://youtu.be/5vzCjvUwMXg
2. https://youtu.be/dwVj_g3TpZ4
3. https://youtu.be/L5RpqspNAuc