"Bhoomi Mart – A Plant selling website"

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ABSTRACT:-

Electronic Commerce site consist of purchasing and selling products which is intended to benefit both gardeners and users. This platform aims to help the local gardeners in selling their plants through online and to provide a more convenient and more reliable way for users to find, view and buy the desired plants that are suitable for their necessity, the customers can also get description and details from the product online. Problems found that most gardeners had a hard time in selling their plants, in reaching their customer and the insufficient specification on plants and trees that the possible buyer might experience. The researchers conduct a usability test on five end-users and five IT Professionals a total of ten respondents to gather information on their experience. The result has shown that majority of the respondents have agreed that the platform really do help them decide which plant to choose and their overall experience was pleasant and intuitive enough that this platform makes it a user friendly.

KEYWORDS:- Nursery, E-commerce, Selling Plants, Flowers, Gardening.

INTRODUCTION:-

Innovation have made possible for the operations of online platform easy enough to bring you the newest and best choice of plants. Our goal is to build an online community of buyers and sellers of plants and trees, services and information and to help people provide an outlet from their busy lives & indulge in nature. This is a unique place for nature enthusiasts to browse & order the best quality of plants online and get them delivered. This would give convenience to a shopper, along with instant satisfaction, for the purchase of a variety of products. Information on how to grow the plants would also be given in a way that to consumers will be educated and encouraged in raising it well so consumers can learn how to nurture and take care of them from a professional.

On the other hand, we could also help our local gardeners to advertise their products in a wider range of audience which had been their problem since there are numerous competitors in the market. But among all, we could be able to contribute to raise awareness regarding on the conservation of our environment and the greening of our community that would serve as small steps in saving our environment from further destruction.

PROBLEM STATEMENT:-

Many people want to buy plants and they directly concerned to the nursery and buy the plants but sometimes people doesn't know specific information about particular plant items as well as seller which are not technically skilled.

Customer does not compare plant price with other shopkeepers at the same time .In nursery there is no facility for online payment only cash may be consumed .we cannot purchase plants through online mode. Limited customers reached to the nursery because sometime customer need to travel for long distance as nursery is far from their home.
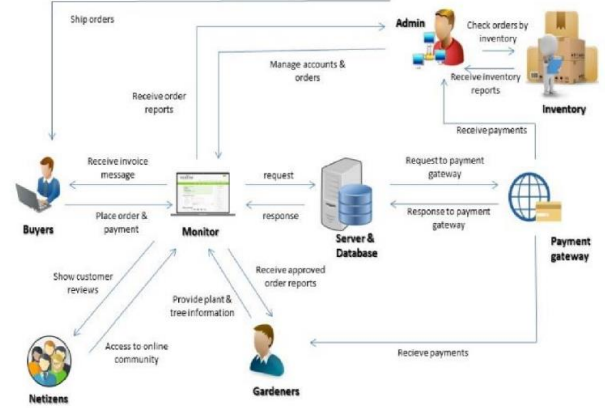
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LITERATURE REVIEW:-

1. **According to P.Ratha Krishnan, Raj want K. Kalia, J.C.Tewari, M.M.Roy (August, 2014).** They had discussed in their research paper **"Plant Nursery Management"** that plant nursery management involves running a business that grows and sells plants for private or commercial use. This can involve selling plants wholesale or directly to customers through mail order, online or garden outlets.

2. **An Economic Study of Plant Nursery Business in Jaipur Districts of Bangladesh.** "Economic Study of Plant Nursery Business:"- This research paper focused on improvement of nurseries in developing countries. The government of Bangladesh has given special emphasis for planting different fruit trees and medicinal plants over the country.

3. **By Immanuel Derain and Agustin Mercado:-** Their's research is based upon the notion that Northern Mindanao is experiencing a limited availability of planting materials and that the majority of the seedlings from nurseries are of low quality as a result of low technical skills and the lack of nursery facilities, there by resulting in a low rate of success for tree growing initiatives in this region.
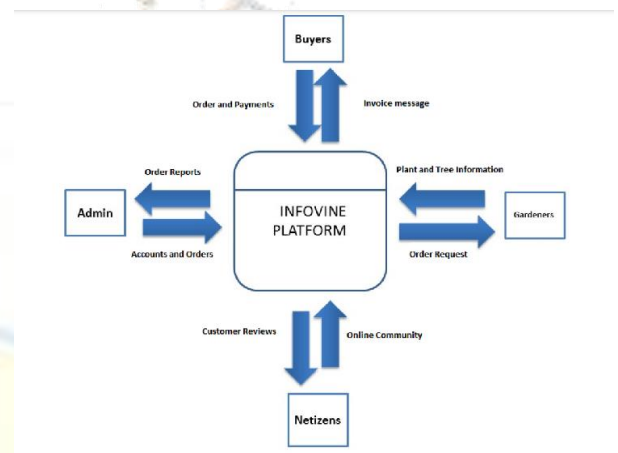
METHODOLOGY:-

A. System Architecture:-

Figure shows the System Architecture of a user placing an order using the online platform we created and the flow of transferred bills through payment gateway to the merchant.

B. Context Diagram:-

The context diagram is utilized to depict the logical design of the system. The diagram above have four entities namely the Admin, Buyers, Gardeners and Netizens. The user can view a list of plants and trees and its specific information that can be seen on the content of our online platform. They can add, update and delete an order through our system and setup their bills through payment gateway. If transaction has been done the list of orders and payments will be forwarded to the admin and will update and manipulate the data of the system dynamically. Whenever the customer confirms his orders, he will then be redirected to the checkout page which accepts PayPal, credit cards, debit cards and Cash on Delivery as payment gateways.
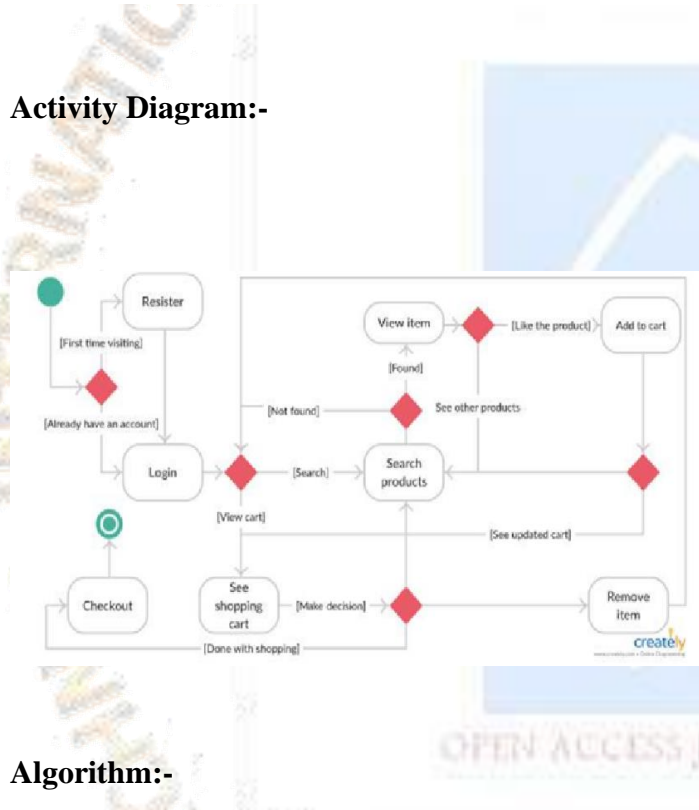
C. System Flow:-

INPUT	PROCESS	OUTPUT
Plant's name and information	Add, edit, delete, and save orders to database.	Display variety of plants and trees.
Users inquiry of plants and trees via search engine.	Generating the customer's request via search engine.	Detailed information as a result.
Customer and billing information	Add multiple products to a customer's shopping cart and place an order	Order has been placed
	Customer places an order	

Activity Diagram:-

Algorithm:-

1. Visit the Web Portal.

2. Log in with registered credentials.

3. If, not registered then register as buyer or nursery owner.

4. If buyer, then visit products and go through details.

5. To get the imaginary view, capture one image of area where plants are to be placed and upload it.

6. Select the plants to be planted.

7. Pay with secure and easy payment gateway.

8. Checkout.

9. If, want to explore more, go through Web Portal and repeat 6 to 9.

10. Log out.

Technologies:-

- Hypertext Markup Language, or HTML, is a programming language used to describe the structure of information on a webpage. The HTML file plays a couple of significant roles in a webpage.

- CSS (Cascading Style Sheets) is used to style and layout web pages — for example, to alter the font, color, size, and spacing of your content, split it into multiple columns, or add animations and other decorative features.

- JavaScript is a scripting language that enables you to create dynamically updating content, control multimedia, animate images, and pretty much everything else. JavaScript for providing dynamic behaviors to the websites designing front end module. These act as user friendly front end part.

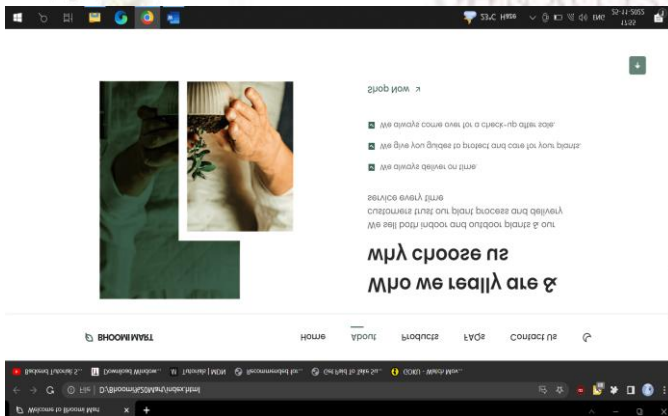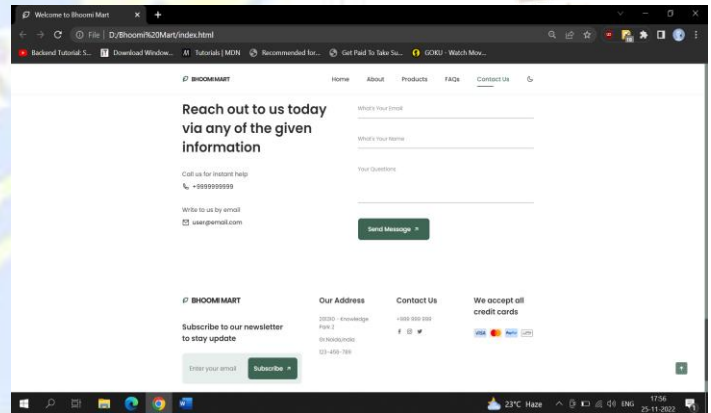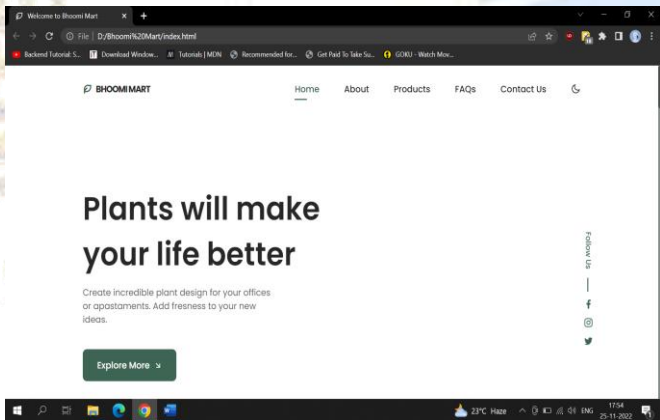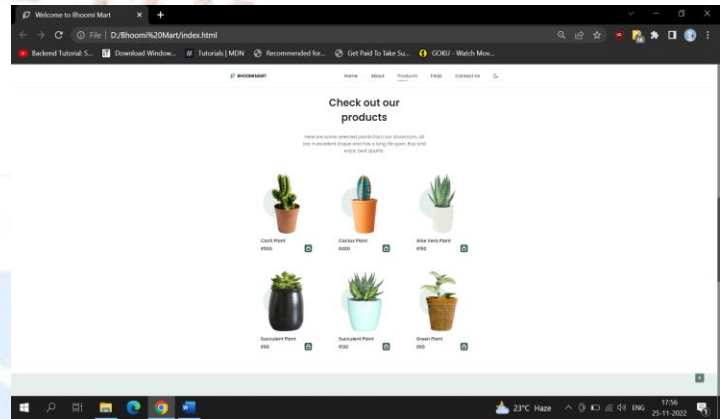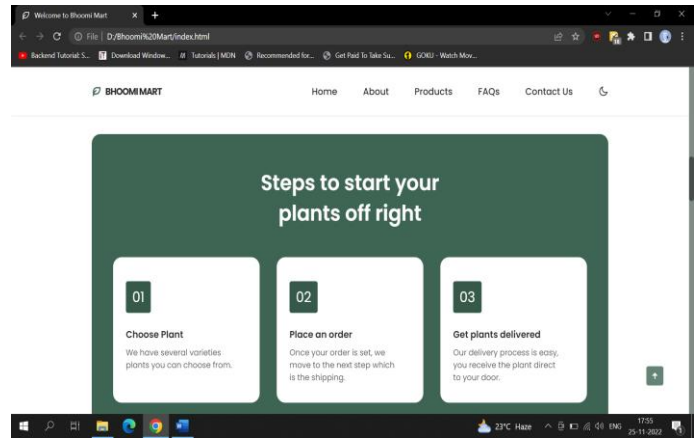- SCSS stands for the Sassy Cascading Style Sheets**. The more advanced variant of **CSS** is **SCSS**. It was created by Chris Eppstein and Natalie Weizenbaum and designed by Hampton Catlin. It is also referred to as Sassy CSS due to its advanced features. It is a pre-processor language that is compiled or interrupted into the CSS. It has a file extension of **.scss**.

- Integrated payment gateways use an application programming interface (API) to connect your store or business to gateway services. Also referred to as non-hosted payment gateways, providers make direct payments through your online store. We have used here Razorpay Payment Gateway for accepting online payment transactions. Transaction Method through e-payment system is a process of online payment of products and services with the help of internet directly from bank using its features such that amount of money taken forms a payer and money is given to payee.

- Data Retrieval:- In order to retrieve the desired data the user present a set of criteria by a query. Then the Database Management System (DBMS), software for managing databases, selects the demanded data from the database. The retrieved data may be stored in a file, printed, or viewed on the screen.

RESULTS AND DISCUSSION:-

CONCLUSION:-

This e-commerce platform for plants is fully functional and proves itself though the hands of testers and evaluators. Furthermore, the platform gained a positive feedback to all the participants during the tests for the reason that it is a time-saver, accessible, up-to-date and easy to use website based on the findings of this study. The test prove that the platform is a reliable website in regards to gardeners who sell their merchandise online and people who wants to buy plants.

FUTURE SCOPE:-

This study is open to a much better development. The researchers recommend that the e-commerce platform can be improved by adding online chats. With online shopping, buyers interact with sellers via computer networks making transactions that are no longer geographically bound.

If online purchases can be done all day and all night long, there is a need to provide 24-hours customer services to solve the majority of pre-sale and after-sale questions.

Also, a store finder tab is a must-have option for web stores that have several local or national retailers.

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