

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY
ALLAHABAD, INDIA-211004**



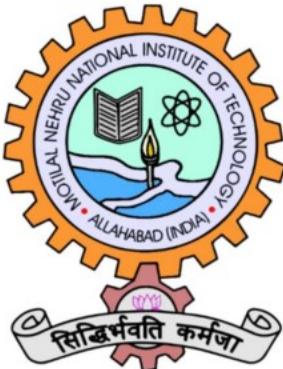
**A PROJECT REPORT
ON**

**E-Nursery
(An E-commerce project)**
Submitted to
M.M Gore

In Partial fulfilment of the Requirement for the Award of
MASTER OF COMPUTER APPLICATIONS
MNNIT ALLAHABAD
2020-2023.

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Certificate

This is to certify that the project titled “E-Nursery” has been developed by
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2020-23.

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Project Guide

M.M Gore

UNDERTAKING

The work presented in our Project titled **E-Nursery** , submitted to Computer Science and Engineering Department, **Motilal Nehru National Institute of Technology, Allahabad, Prayagraj** for the award of Master of Computer Applications, is our original work. We have neither plagiarized nor submitted the same work for the award of any other degree. In case this undertaking is found incorrect, we accept that our degree maybe withdrawn.

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Acknowledgement

We are profoundly grateful to **M.M Gore** for his expert guidance and continuous encouragement throughout to see that this project rights its target since its commencement to its completion.

I have always considered project development a challenging task that requires lot of concentration, hard work, and understanding several concepts related to project. I have learnt various new concepts, programming styles and above all I gain wonderful experience of project development and presentation.

At last, we must express our sincere heartfelt gratitude to all the staff members of Computer Science and Engineering Department who helped us directly or indirectly during this course of work.

Team Member

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ABSTRACT

This project is aimed at developing a Web application that depicts online Shopping of plants, seeds, fertilizers, flowers etc. products. Using this software, companies can improve the efficiency of their services. Online Shopping is one of the applications to improve the marketing and sale of the company's products. This web application involves all the basic features of the online shopping.

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Chapter 1

Introduction

1.1 Introduction to the System

This project is aimed at developing a Web application that depicts online Shopping of plants, seeds, fertilizers, flowers etc. products. Using this software, companies can improve the efficiency of their services. Online Shopping is one of the applications to improve the marketing and sale of the company's products. This web application involves all the basic features of the online shopping.

1.2 Problem Definition

Managing your Online Nursery Store System may seem tricky, but this is part of Customer Service System (application support direct contact with customer)

1.3 Aim

To manage online shopping of plants, flowers, seeds and fertilizers

1.4 Objective

This software helps customer to find different nursery products according category, occasion, price and subcategory. It is designed such a way that one can view all the updates of the products from any place through online. The software will help in easy maintaining and updating products in the website for the administrator. Also quick and easy comparison of different products for the customers.

Chapter 2

Hardware and Software requirement

2.1 Introduction

In this chapter we mentioned the software and hardware requirements, which are necessary for successfully running this system. The major element in building systems is selecting compatible hardware and software. The system analyst has to determine what software package is best for the “E Nursery System” and, where software is not an issue, the kind of hardware and peripherals needed for the final conversion.

2.2 System environment

After analysis, some resources are required to convert the abstract system into the real one. All the resources, which accomplish a robust The hardware and software selection begins with requirement analysis, followed by a request for proposal and vendor evaluation.

Software and real system are identified. According to the provided functional specification all the technologies and its capacities are identified. Basic functions and procedures and methodologies are prepared to implement. Some of the Basic requirements such as hardware and software are described as follows: -

Hardware and Software Specification

2.3 Software requirements

- Framework: Django

- IDE : Pycharm/Atom
- Client Side Technologies: HTML, CSS, JavaScript , Bootstrap
- Server Side Technologies: Python
- Data Base Server: Sqlite
- Operating System: Microsoft Windows/Linux

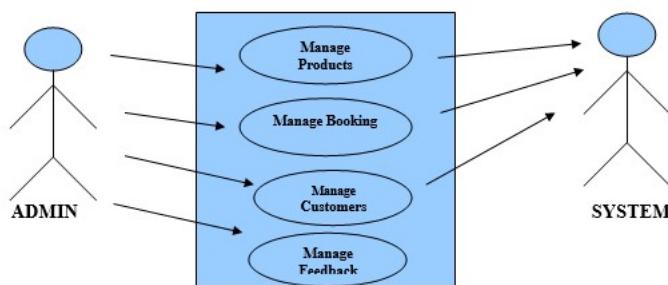
2.4 Hardware requirements

- Processor: Pentium-III (or) Higher
- Ram: 64MB (or) Higher
- Hard disk: 80GB (or) Higher

Chapter 3

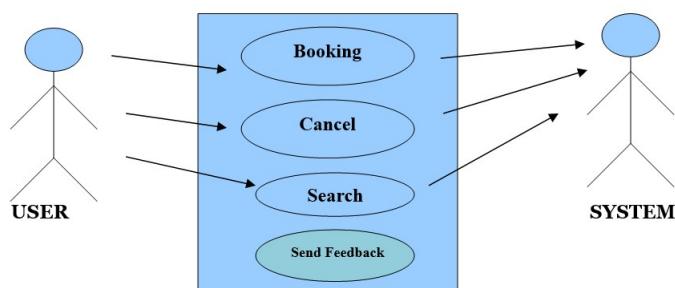
System Design

3.1 Use Case Diagram



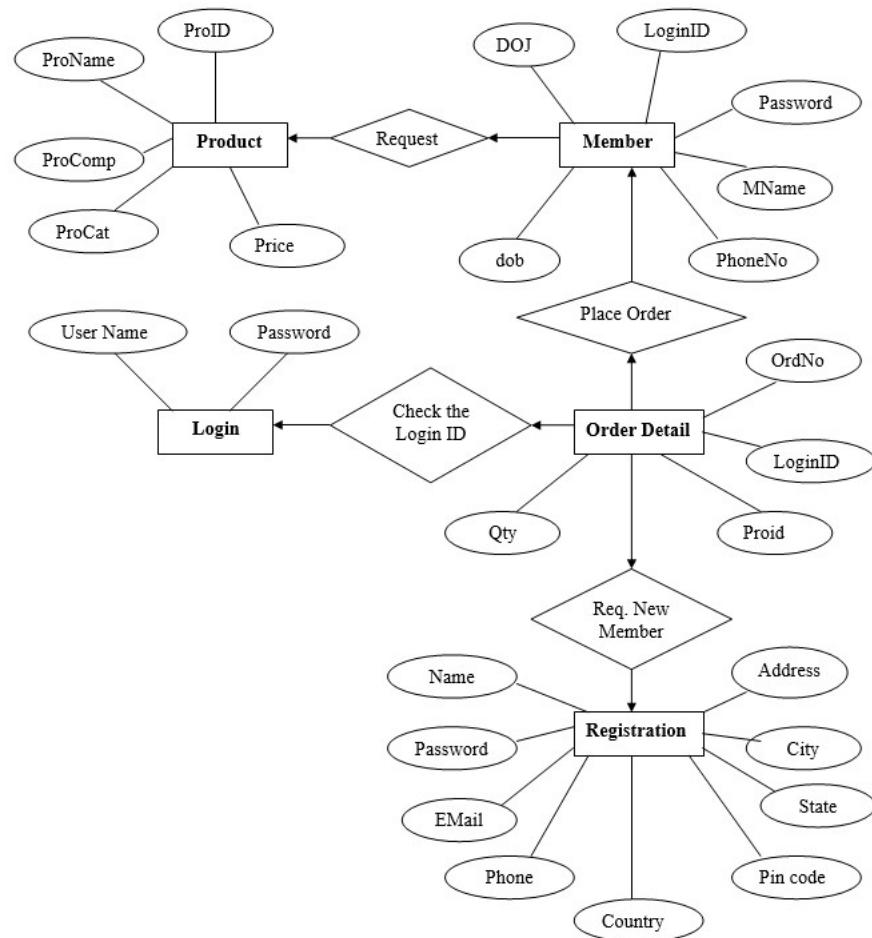
Use Case Diagram between ADMIN and SYSTEM

Fig.5.1



Use Case Diagram between USER and SYSTEM:

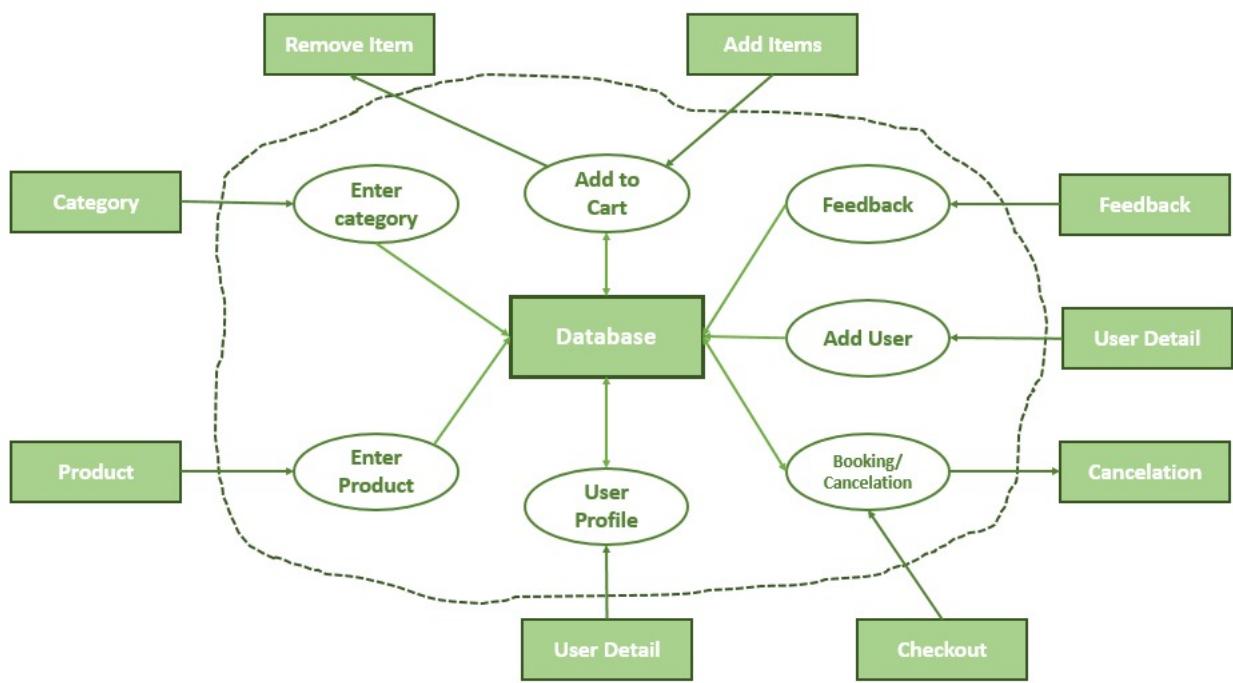
3.2 ER Diagram



ERD for E-Nursery

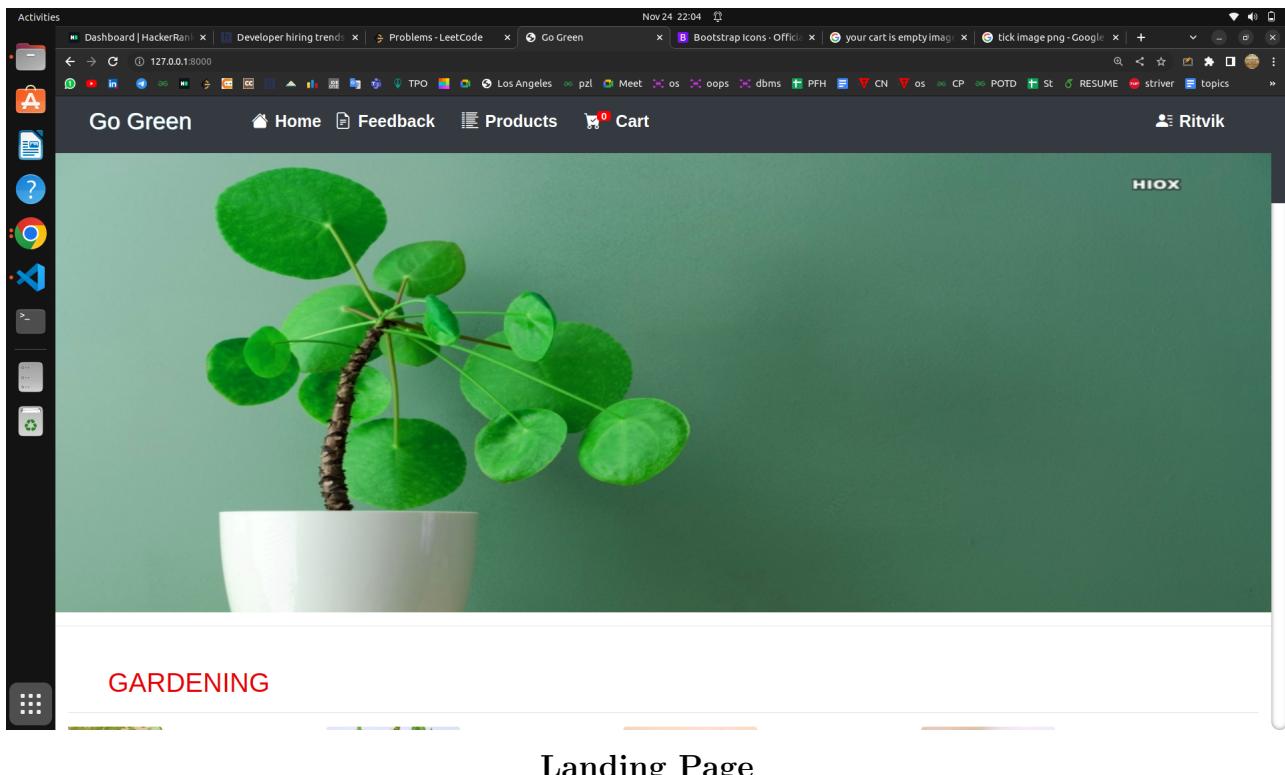
Chapter 4

Information Flow Diagram (IFD)



Chapter 5

User Screens



Activities Google Chrome Nov 24 22:09

Dashboard | HackerRank | Developer hiring trends | Problems - LeetCode | Go Green | Bootstrap Icons - Official | your cart is empty image | tick image png - Google | +

Go Green Home About Contact Blog login

Sign In



User Name
Your username

Password
Your password

Forgot password?

Sign in

Don't have an account ?

Create an Account

login Page

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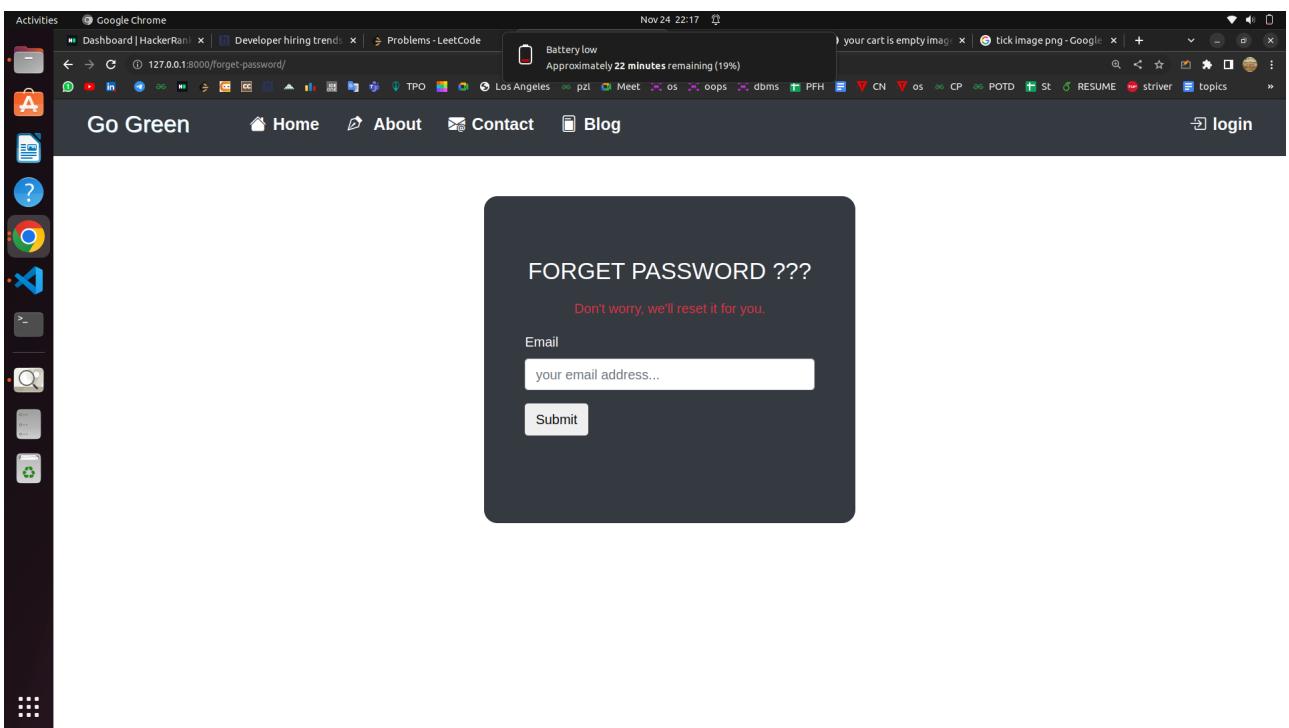
Go Green Home About Contact Blog login

Create An Account

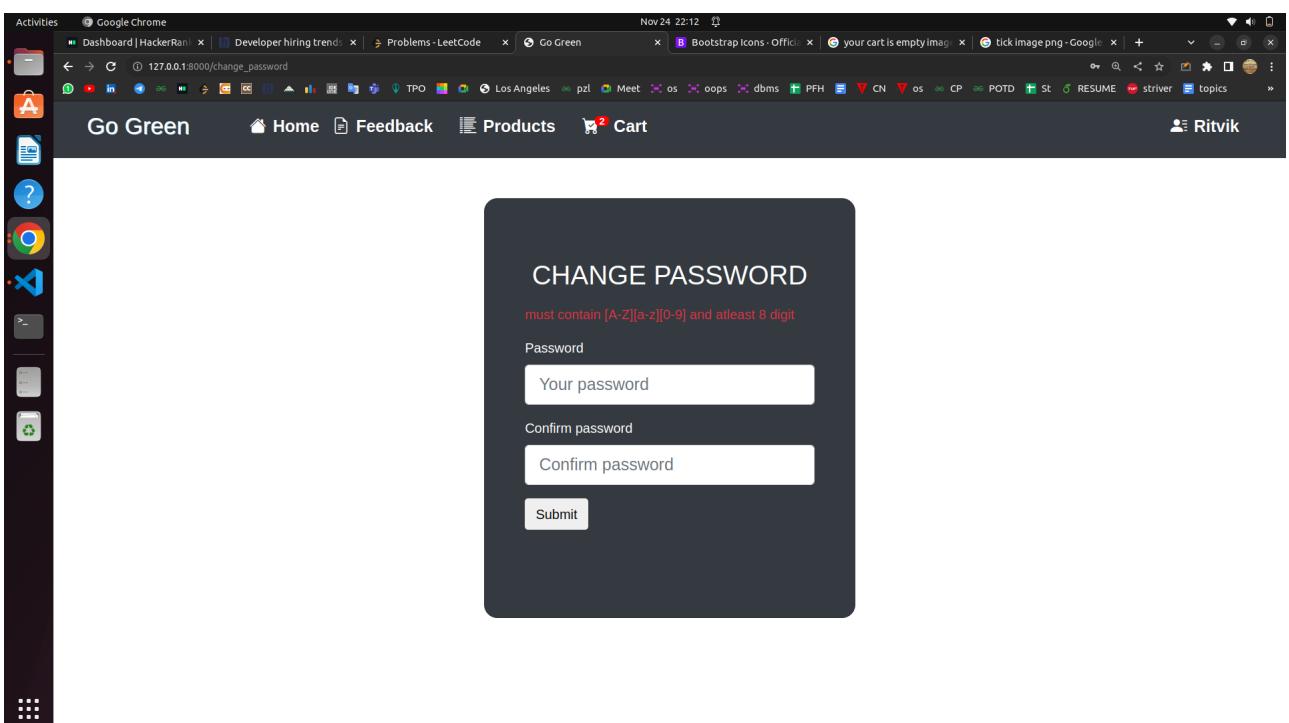


First name *	Last name
firstname	lastname
User name *	Contact *
Ritvik	
Password * must contain [A-Z][a-z][0-9] and atleast 8 digit *****	
Email ID *	
abc@example.com	
Address *	
address	
Date of birth *	
dd/mm/yyyy	
City *	

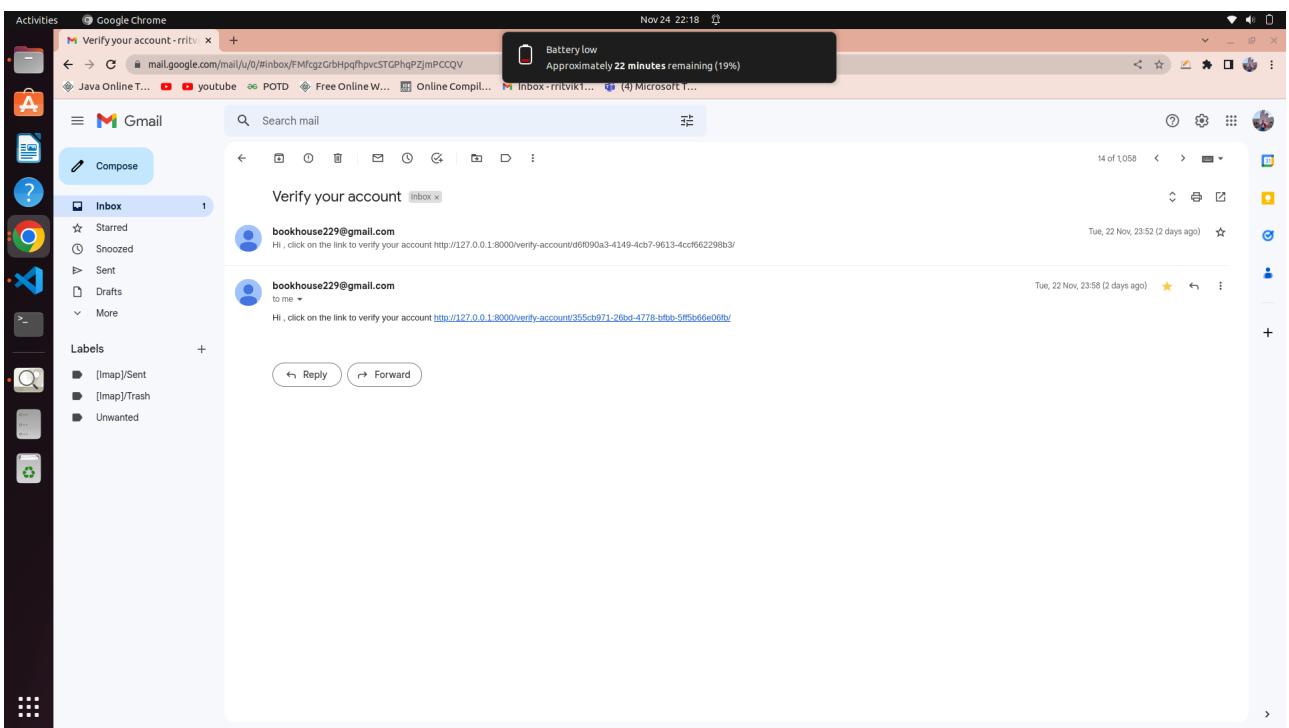
signup Page



Forget password Page



change password Page



Email authentication Page

A screenshot of a profile page from a website named 'Go Green'. The page is titled 'Profile' and displays various user information in a form-like structure. The fields include 'Full Name' (Ritvik Raj), 'Customer Pic' (a small image of green leaves), 'Email Id' (rritvik101@gmail.com), 'Contact' (7301089844), 'Date of Birth' (Nov. 17, 2022), 'City' (ALLAHABAD), and 'Address' (Motilal Nehru National Institute of Technology Allahabad). At the bottom are 'Edit Profile' and 'Change Password' buttons. The top navigation bar shows other sections like 'Home', 'Feedback', 'Products', and 'Cart'.

Profile Page

Activities

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Start Filtering Toggle Menu

View Product



Top 3 Medicinal Herbs Rs.599

Top 3 Medicinal Herbs, this pack contains 3 medicinally important herbs + 3 pots.

[Add to Cart](#)



Top 4 Die Hard Succulents Pack Rs.699

Pack of 4 succulents that are very easy to care for.

[Add to Cart](#)



Best 4 Hanging Basket Garden Rs.1499

This pack contains 4 plants in 4 hanging baskets.

[Add to Cart](#)



DIY Riverside village - Miniature Garden Rs.849

This miniature garden pack contains 1 Syngonium plant + 3 type of garden toys + sand + 2 type of pebbles together with a colored pot and plate.

[Add to Cart](#)









All Products Page

Activities

Nov 24 22:08

Dashboard | HackerRank | Developer hiring trends | Problems - LeetCode | Go Green | Bootstrap Icons - Official | your cart is empty | tick image png - Google | +

Go Green Home Feedback Products Cart Ritvik

Start Filtering Toggle Menu

View Product

Planters



Square Plastic Planters with Rounded Edges Rs.129

This combo pack contains 3 Red, Blue, and Yellow color planters. Make a terrace, balcony, window, and indoor garden vibrant with these pots.

[Add to Cart](#)



Flower Tower, Stack Pot (Terracotta Color) Rs.129

The bottom plate reduces the risk of damage/staining of the floor through water, by collecting excess, drained water from a pot.

[Add to Cart](#)



Plastic Hanger For Planters (Green) (set of 6) Rs.159

Unique hanging shape design, perfect for your patio, balcony or inside your home.

[Add to Cart](#)

Filter search Page

Activities Google Chrome Nov 24 22:13

Dashboard | HackerRank | Developer hiring trends | Problems - LeetCode | Go Green | Bootstrap Icons - Official | your cart is empty image | tick image.png - Google | +

127.0.0.1:8000/booking/3FPRTVlk310.313

Go Green Home Feedback Products Cart Ritvik

Confirm Booking Detail

Booking Id	Customer Name
Ritvik.310.313	Ritvik
Booking Date	Email
Nov. 24, 2022	ravitik101@gmail.com
City	Contact
ALLAHABAD	7301089844
Address	
Motilal Nehru National Institute of Technology Allahabad	
Total	
1698	
confirm	

Booking detail Page

Activities Google Chrome Nov 24 22:16

Battery low Approximately 22 minutes remaining (19%)

Dashboard | HackerRank | Developer hiring trends | Problems - LeetCode | Go Green | Bootstrap Icons - Official | your cart is empty image | tick image.png - Google | +

127.0.0.1:8000/view_booking

Go Green Home Feedback Products Cart Ritvik

View Booking

Sr. No	Booking ID	Booking Date	Quantity	Total	Status	View Product	Cancel Booking
1	Ritvik.309	Nov. 24, 2022	1	1198	Success	detail	cancel
2	Ritvik.310.313	Nov. 24, 2022	2	1698	Success	detail	cancel

Show 10 entries Search:

Showing 1 to 2 of 2 entries Previous 1 Next

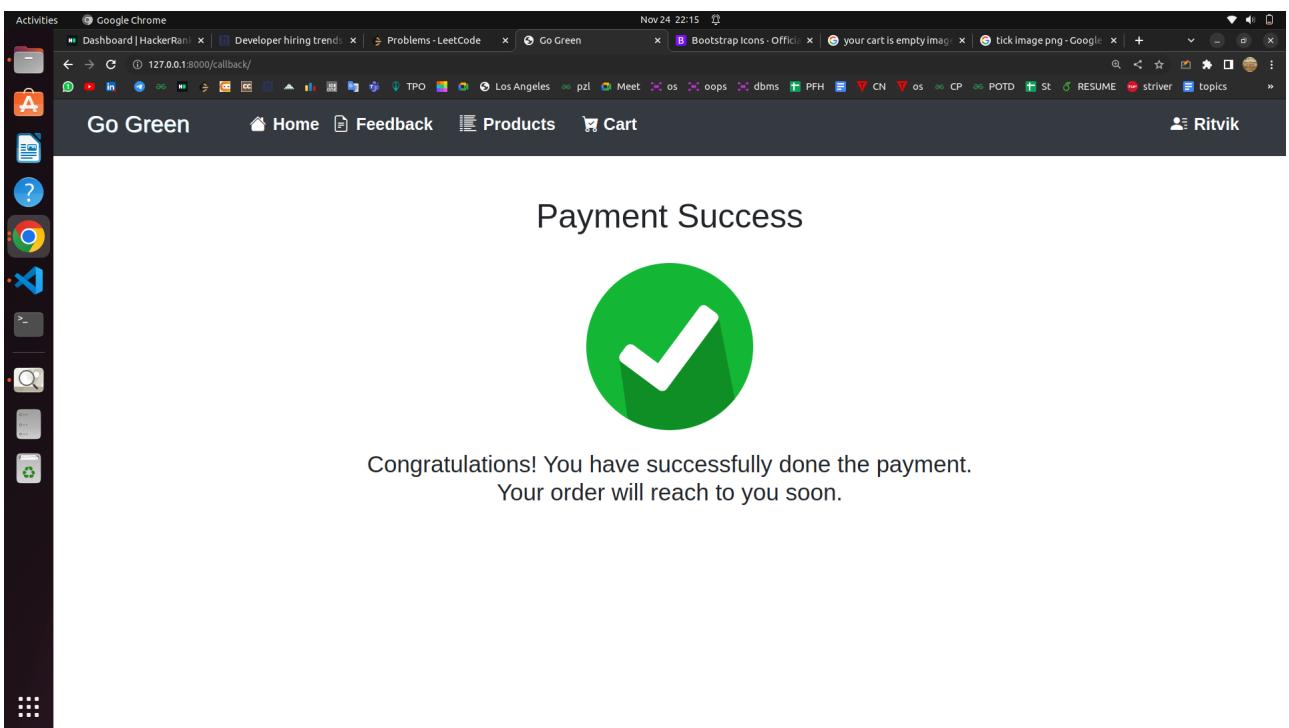
Booking history Page

The screenshot shows a web browser window with multiple tabs open. The active tab is titled "Go Green" and displays the "Your Cart" page. The page features a header with navigation links for Home, Feedback, Products, and Cart. Below the header, there are two large items listed in a grid format. Item 1 is "Top 4 Die Hard Succulents Pack" with a price of Rs.699 and a total of 699. Item 2 is "DIY Meditating Buddha - Miniature Garden" with a price of Rs.999 and a total of 999. Each item has a small image, quantity selection buttons (1), and a "Remove" button. At the top right of the page, it says "Grand Total : 1698".

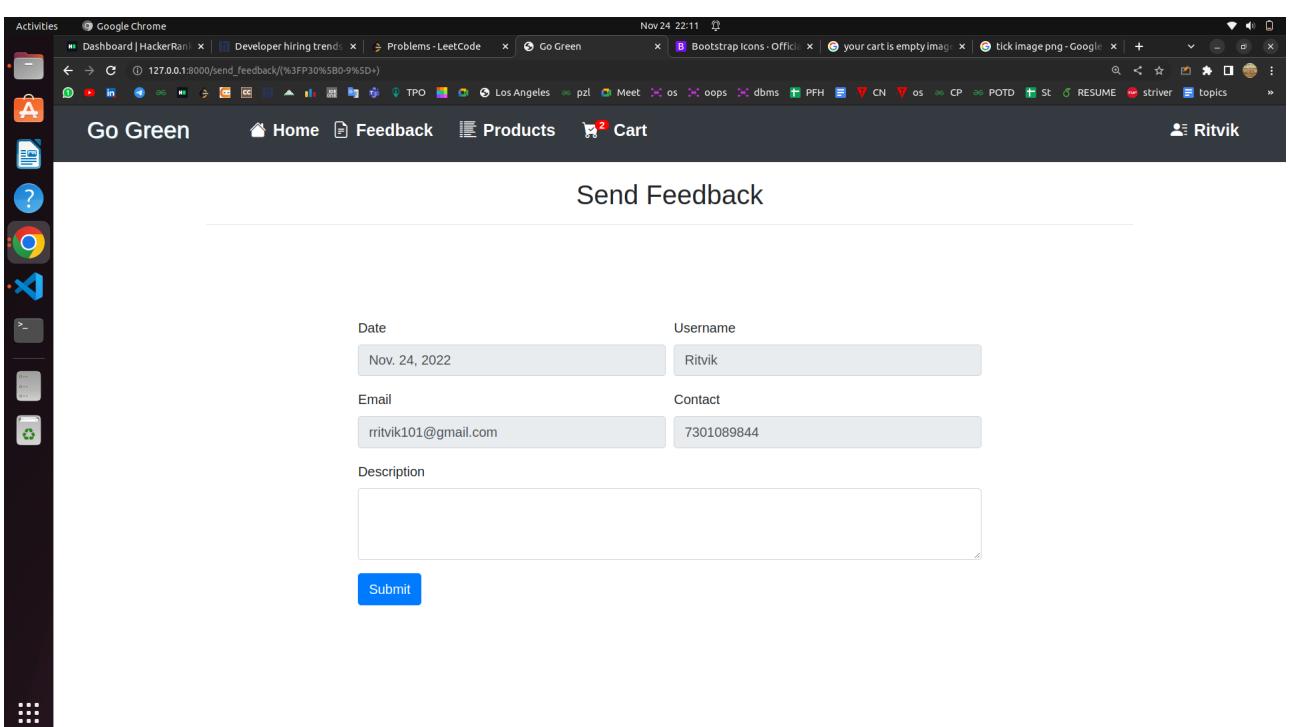
cart Page

The screenshot shows a web browser window with multiple tabs open. The active tab is titled "Go Green" and displays a "Payment" modal. The modal is titled "Pay With UPI QR" and shows a QR code with instructions to "Scan the QR using any UPI app on your phone." It also states that the QR code is valid for 11:53 minutes. Below the QR code, there are four payment options: "Card" (Visa, MasterCard, RuPay, and Maestro), "UPI / QR" (Google Pay, PhonePe, & More), "Netbanking" (All Indian banks), and "Wallet" (RuPay Debit Card). At the bottom left of the modal, it says "₹ 1,698" and "View Details". At the bottom right, there is a large "Pay Now" button.

Payment gateway Page



payment success window Page



Feedback Page

Activities Google Chrome Nov 24 22:09

Dashboard | HackerRank | Developer hiring trends | Problems - LeetCode | Go Green | Bootstrap Icons - Official | your cart is empty image | tick image.png - Google | +

127.0.0.1:8000/contact/

Go Green Home About Contact Blog login

Need help ?
let's ask your questions

Contact Us

Office Location
Go green
PG Hostel
MNNIT, Allahabad
211004

gogreen@gmail.com
+91 1234567890

Name
Email
Mobile Number
Phone Number
Message
Send

Contact us Page

Activities Google Chrome Nov 24 22:08

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127.0.0.1:8000/about/

Go Green Home About Contact Blog login

Go green germinated in 2022 from a promise to make 'green and healthy' a click away for all Indians. Most of us being urban dwellers spending their days in apartments with limited access to parks and ecological reserves, have no way of feeling close to nature and experiencing the benefits of being around plants. Ordering a pizza is easy but ever heard of ordering a plant to your doorstep? This is where Go green comes in. We are here to shape the future of gardening! A one-stop-shop for all gardening related requirements, Go green has various products available online for delivery across India saving you numerous messy trips to various nurseries. We cater to all kinds of gardening needs ranging from plants, pots, tools, to curated plant-scaping solutions. We believe that every space can be made more beautiful with plants! Come, join us in our vision to make all spaces green and healthy!

About us Page

Chapter 6

Conclusion

The project entitled “E Nursery Shop” is developed using HTML, CSS and javascript as frontend and Python programming language and Sqlite database in backend to computerize the process of online shopping. This project covers only the basic features required.

6.1 Features of “E Nursery”

“E Nursery System” provides various features, which complement the information system and increase the productivity of the system. These features make the system easily usable and convenient. Some of the important features included are listed as follows:

- Intelligent User Forms Design
 - Data access and manipulation through same forms
 - Access to most required information
- Data Security
- Restrictive data access, as per login assigned only.
- Organized and structured storage of facts.
- Strategic Planning made easy.
- No decay of old Records.
- Exact financial position of the Business.

6.2 Benefits Accrued from “E Nursery”

- Intelligent User Forms Design
 - Data access and manipulation through same forms
 - Access to most required information
- Data Security
- Restrictive data access, as per login assigned only.
- Organized and structured storage of facts.
- Strategic Planning made easy.
- No decay of old Records.
- Exact financial position of the Business.

6.3 Limitations of “E Nursery”

Besides the above achievements and the successful completion of the project, we still feel the project has some limitations, listed as below:

1. It is not a large scale system.
2. Only limited information provided by this system.
3. Since it is an online project, customers need internet connection to buy products
4. People who are not familiar with computers can't use this software.

Chapter 7

Future Scope

This web application involves almost all the features of the online shopping. The future implementation will be online help for the customers and chatting with website administrator.

Bibliography

- [1] wikipedia, https://en.wikipedia.org/wiki/Plant_nursery
- [2] Geeks for Geek, <https://www.geeksforgeeks.org/python-django/>
- [3] javatpoint, <https://www.javatpoint.com>
- [4] Python Official, <https://www.python.org/>
- [5] tutorialspoint, [https://www.tutorialspoint/](https://www.tutorialspoint.com/)
- [6] REFERENCE BOOKS.Two scoops of Django for 1.11 by Daniel Greenfeld's and Audrey Greenfield
- [7] REFERENCE BOOKS.Lightweight Django by Elman and Mark Lavin