



Research paper on Online Shopping App

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Abstract—Online retailers are constantly adding product information to their websites, making it more advantageous for customers to choose to purchase a variety of goods and have them delivered to the place of their choice.

Online shopping offers a variety of possibilities, which help[s] customers save time and money while reducing the crowds that were previously frequently observed in the marketplaces.

Internet Transactions or commerce are necessary for online shopping. After choosing the item or product that best suits his needs, the buyer makes a purchase online.

INTRODUCTION

We can see that in today's world all our needs are fulfilled through the internet. There are many things online at cheap prices because of which online shopping is available seeing all these requirements.

We have made an app which will be used for online shopping. In this app we are selling eco-friendly things that are based on nature. In this project we used MERN stack for making the shopping app.

We are all quite conscious of the fact that most people find shopping as an interesting aspect, especially women and girls who are shopaholics now that technology is advancing day in and day out and developing new ways. We took advantage of how to browse the internet and shop in a single location.

We may acquire a wide range of goods from the same place. In addition, we can find all sorts of products related to men, women, and children by selecting different categories from the same location.

The things are found, chosen, and bought by us; they are then shipped to the specified address. It also assists people who live in remote areas to use the online mode. We can look for the latest clothes as well as buy them. Often, obtaining and presenting the same item in stores requires considerable time.

Online purchase requires either money transactions or internet business. The purchaser makes a purchase via the internet after selecting the item or product in accordance with its requirements. Consequently, the technology drives the concept of initialization.

With the aid of technological advancement, traditional offline or in-person shopping methods have been improved by being made available online. This adjustment in the company plan of action is effective. In order to redevelop it and gain the most financial rewards or profits, new concepts and techniques have been applied.

Internet buying changes business strategies, which promotes competitiveness. It is the best illustration of the concept of digitization because it is proving to be a simple to use and better solution.

The most damaging for us was the worldwide spread of Covid-19. At that time, there were travel restrictions in place, and many countries went into a protracted state of lockdown.

Individuals all across the world chose to order and have their goods and services delivered through internet channels.

Online shopping has therefore been the best alternative or choice, it might be argued. Any goods can now be ordered online and delivered right to a customer's door.

In general, a person needs to be aware of many products in order to be aware of various things that meet his demands.

They need to leave their homes to do this, but that wasn't an option in this case. So, everyone now has the choice to use the internet to research the goods they need, purchase it, and arrange for delivery. As a result, it served as a fantastic alternative during the pandemics.

METHODOLOGY

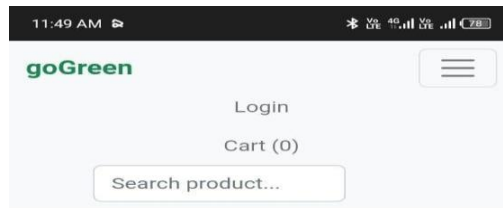
- Designing the Models
User Model
Cart Model
Item Model
Order Model
- Authentication and Items
Auth Routes
Item Routes
Auth Middlewares
Auth Controller
Item Controller
User Routes
Admin Routes
- Cart and Orders
Cart Routes
Order Routes
Cart Controller
Order Controller
- Setting up Client-side and store
- Setting up Slice and Slice Actions
Error Actions
Auth Actions
Cart Actions
Item Actions
Order Actions
- Payment gateway integration
Deployment
- Deployment

RESULT

Login Page:- We have created a login page for the user, in which the user can create their account on this app.

This page needed the user's valid email address or their phone number.

If the user forgets their password, then we are given the option to recover their password.



Login

Email address

We'll never share your email with anyone else.

Password

[Forget Password](#)

Login

[New User ?](#)

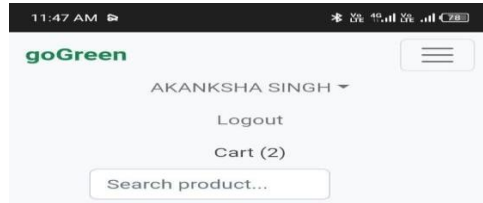
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Home Page:-

With help of this page we can view our profile and we can logout from the app.

We can add the items to cart and see the saved items. We can also search any item in this app.





ORDER SUMMARY
(2 items) : ₹ 199

Shopping Cart

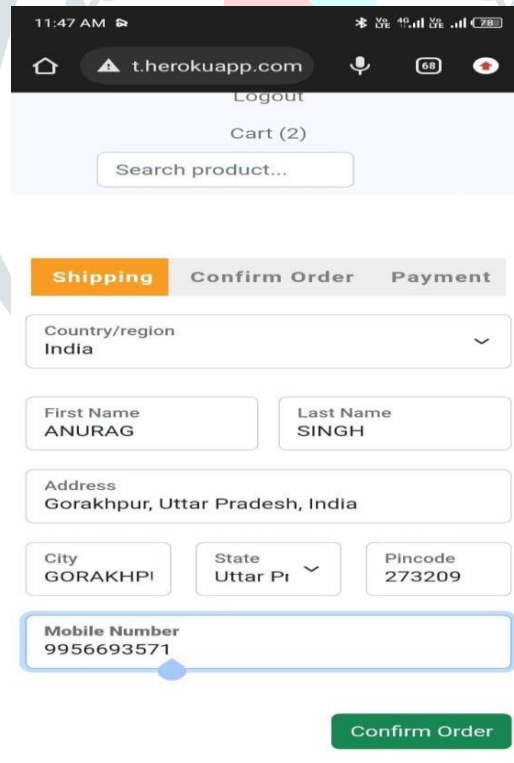


Ecofriendly Handicraft
Cane Bar Stool

₹ 100

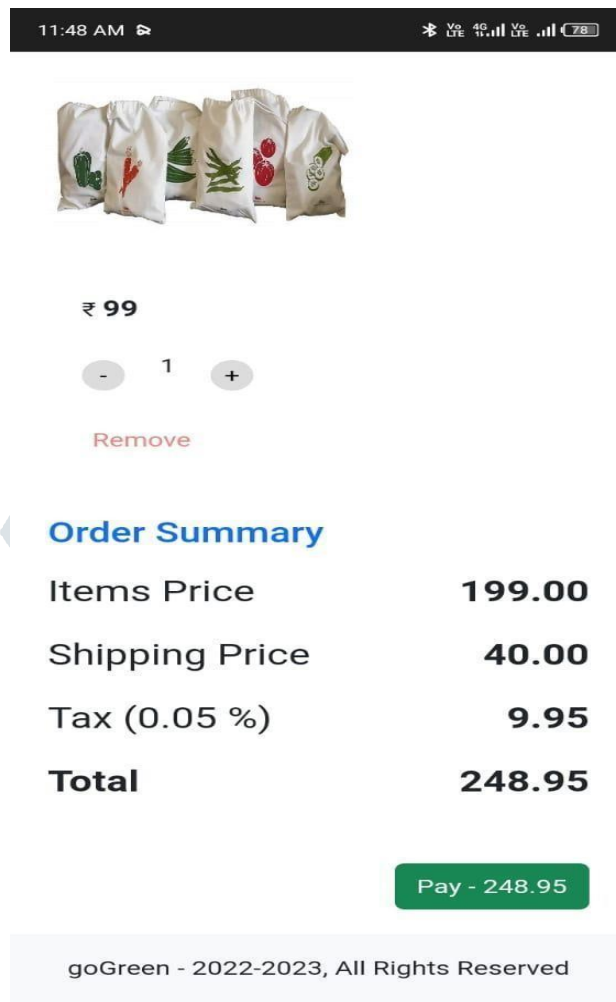
User Information page:-

In this page users can save their information.



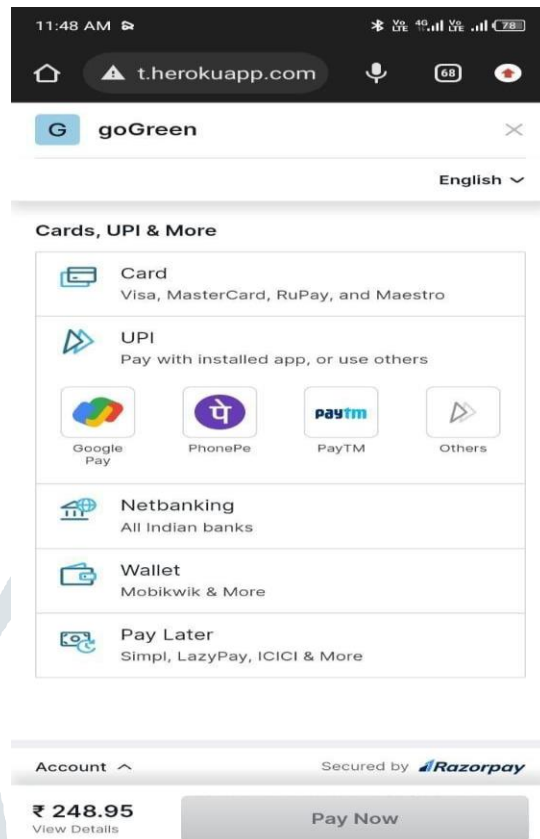
Order Information page:-

In this page, we will see the complete details about the things we have ordered from this app. The price of the items, shopping charges of the items and taxes, etc.

**Payment method page:-**

In this page, we have given the option of card (visa , mastercard,rupay and maestro,etc), UPI (Google pay, phonepe,paytm,etc) , NetBanking

(All Indian Banks) and Cash on Delivery method to pay for the ordered items.



FUTURE SCOPE

In the future, we will add a map to this app, with the help of which the purchasers will be able to see the location of their items.

We see that small businesses who sell things by making things with their own hands, due to no means, face many difficulties in selling their things, so we will link all small businesses to our app and promote them. Due to which small businessmen will also grow.

As in this app we are selling eco friendly things, we know that natural things are not available everywhere, we want to provide those things everywhere.

CONCLUSION

The current generation's youth adore online shopping. Finding numerous items with a range of pricing on one portal or website is an interesting procedure. Internet shopping has given us a wealth of novel ideas for surprising our loved ones on special occasions. Yet, it also has some ramifications in different viewpoints.

Hence, whether we choose this new technique or the traditional method of purchasing depends on how we intend to use it.

We can choose products of our choosing and give those same items to our friends and loved ones as gifts. Internet buying has effectively lessened the stress associated with traditional shopping, and it also saves time.

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