

Ecommerce App (Online Shopping)

Submitted by : **Amit Kumar**
Bachelor of Technology, VI Semester
Roll No. 19010111

UNDER THE GUIDANCE OF : **Dr.Kaushal Bhardwaj**
Department of Computer Science and Engineering

Indian Institute of Information Technology Manipur
Imphal, India - 795002
April ,2022



Contents

- 
- Introduction
 - Types of Ecommerce models
 - Advantages and disadvantages of e-commerce
 - Use case diagram
 - Technologies used
 - Features
 - Activity Diagram
 - Snapshot of features and it's description
 - Challenges of Ecommerce Business
 - Future scope
 - Goal of Ecommerce
 - Benefits
 - Conclusion



Introduction

Ecommerce is an app where a customer can buying of goods and services over the Internet.

It is also known as Electronic Commerce.

It is conducted over computers, tablets, smartphones, and other smart devices.

Almost anything can be purchased through ecommerce today.



Types of Ecommerce Models

1. Business to Consumer (B2C):

When a business sells a good or service to an individual consumer (e.g. You buy a pair of shoes from an online retailer).

2. Business to Business (B2B):

When a business sells a good or service to another business (e.g. A business sells software-as-a-service for other businesses to use)

3. Consumer to Consumer (C2C):

When a consumer sells a good or service to another consumer (e.g. You sell your old furniture on eBay to another consumer).

4. Consumer to Business (C2B):

When a consumer sells their own products or services to a business or organization



Advantages and Disadvantages of Ecommerce

Pros

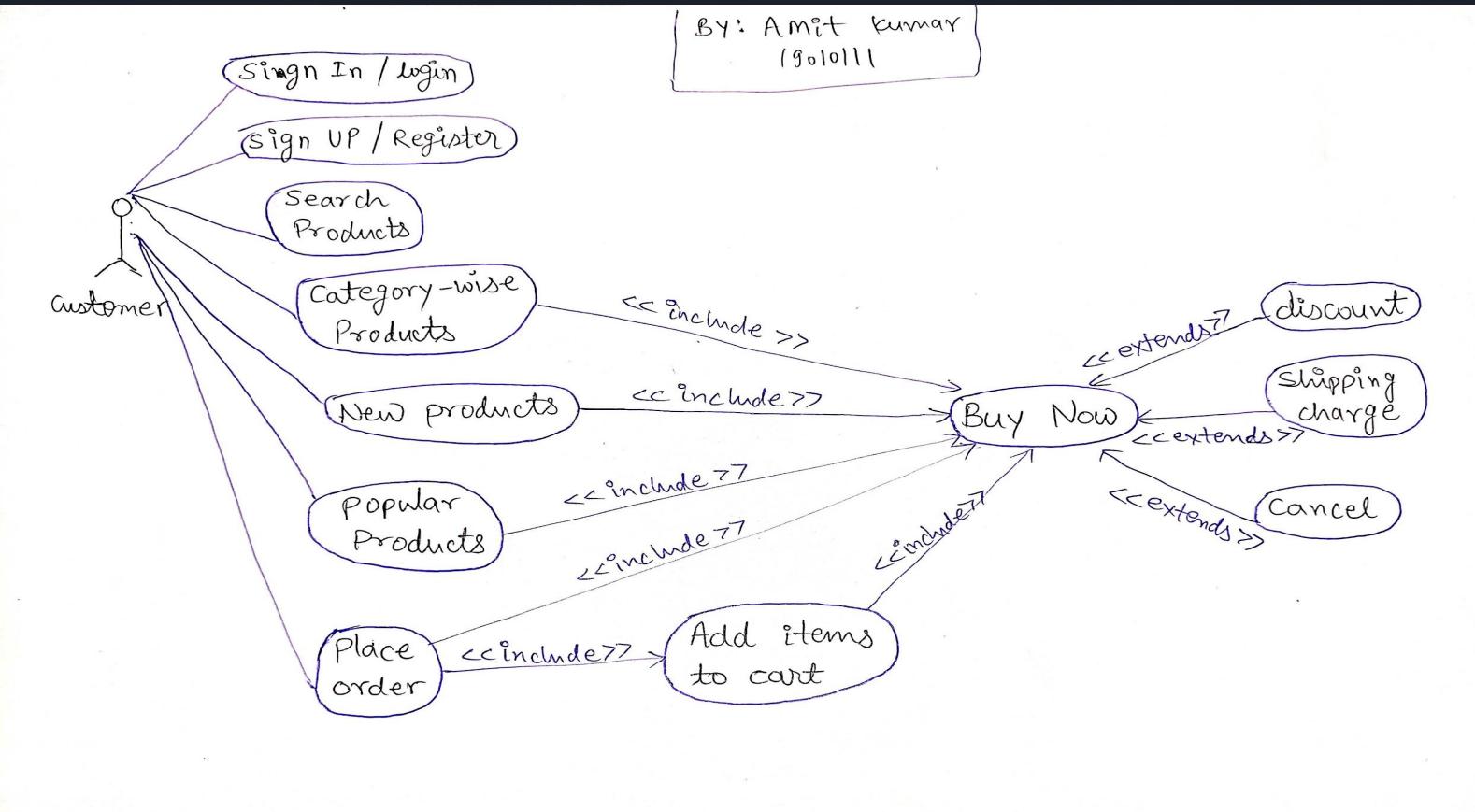
- 1. Faster buying process**
- 2. Store and product listing creation**
- 3. Cost reduction**
- 4. Affordable advertising and marketing**
- 5. Flexibility for customers**
- 6. No reach limitations**
- 7. Product and price comparison**
- 8. Faster response to buyer/market demands**
- 9. Several payment modes**
- 10.convenient**
- 11.Offers a wider selection of goods and services**

Cons

Limited customer service

Products can't been seen or handled until delivered

Use Case Diagram





Technologies Used

Java : Java is the technology of choice for building applications using managed code that can execute on mobile devices. Java is a programming language which is used in android app development.

Java OOPs : It is class based and object- oriented programming

Firebase : The firebase Realtime Database is a cloud-hosted NoSQL database that lets you store and sync data between your users in realtime.

Android development : it is used for creating layout of my app or creative XML file

Android studio : it is IDE for android app development.

Razorpay payment method : this payment method is secured and most used in India.



Features

Lets get started

Sign In : any user can login easily by Email .

Sign Up :any user can Register easily by Email .

Image Slider

Category-wise items

New Products

Popular Products

Search Any Products

Products Detail

Products Rating

Features



Buy Now

Add To Cart

Delete items from cart

Quantity increased by +Sign

Quantity decreased by - Sign

Add address for payment

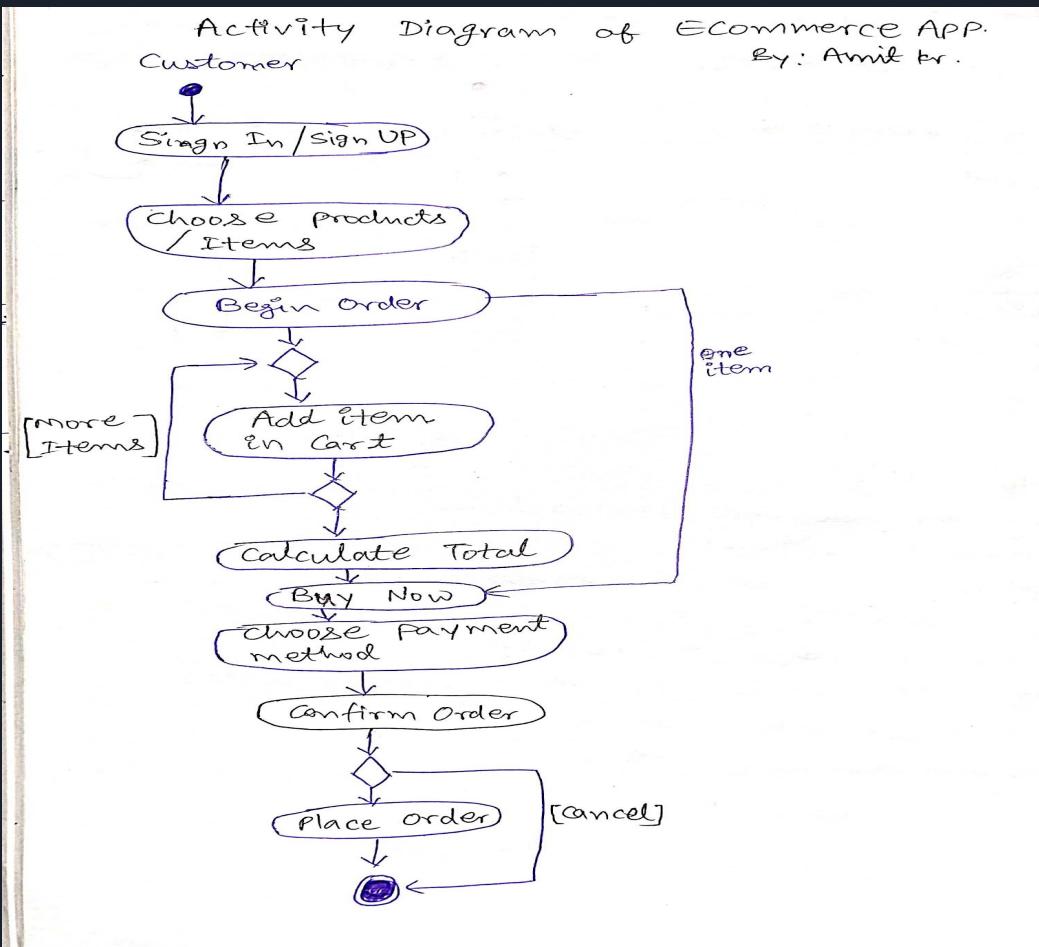
Payment details

Razorpay Payment method

Placed Order

Logout

Activity Diagram



LETS GET STARTED

First time opening my E-Commerce app. There will show three sliding page which are included fast delivery, online shopping, Good services.

In this good services page included a button LETS GET STARTED. After clicking on it.

It is redirected to a sign in or sign up page easily.



Good Services

Lorem empty

LETS GET STARTED

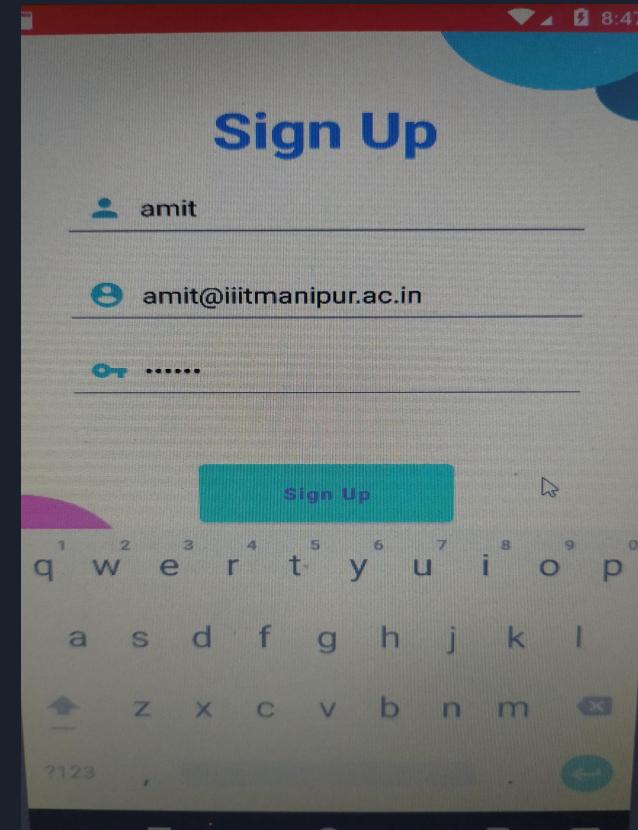
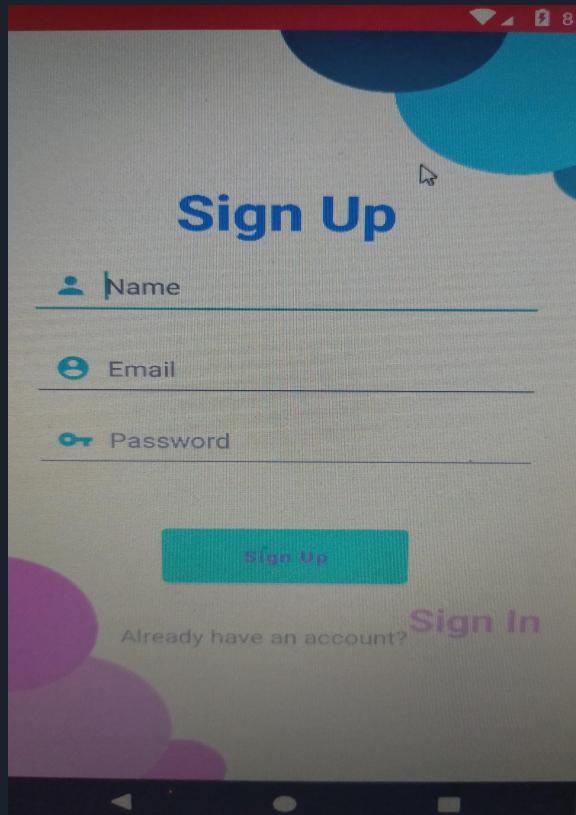
...

>



Registration page

If Customer don't have an account then clicking on sign up it is redirected to a sign up page where customer name, email ID and password is required to create customer account successfully.



Login page

If Customer have an account then clicking on sign in .

it is redirected to a sign in page where customer email ID and password is required to login customer account successfully.

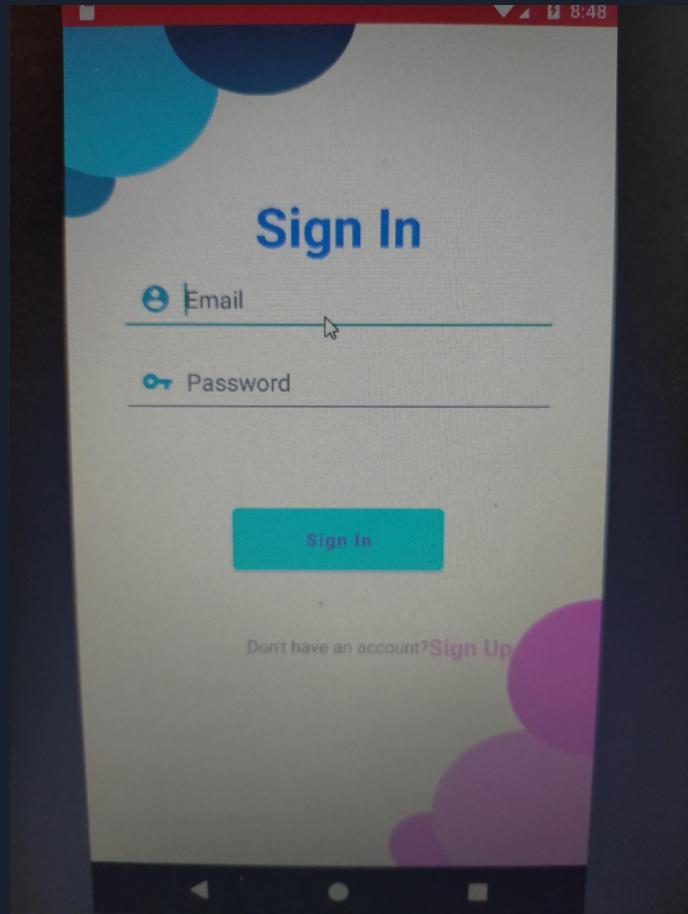


Image Slider

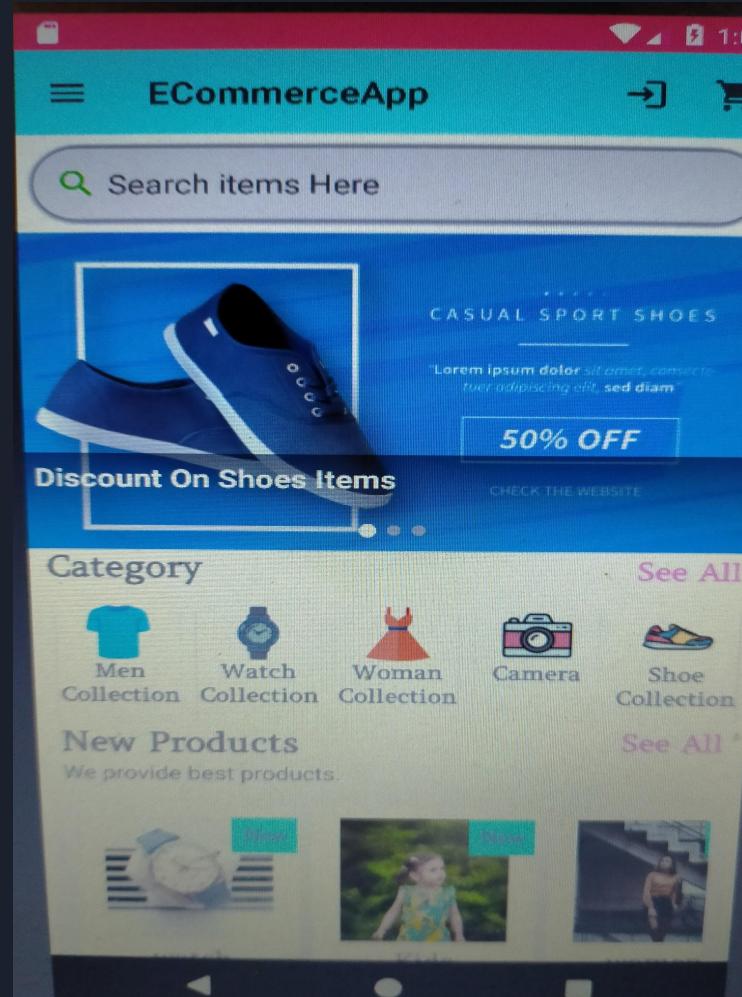
After successfully login by customer.

It is redirected to homepage where customer can see many features like Image Slider.

There are three image Slider which are changing after a constant time.

These are showing discounts on particular products.

It is attractive.



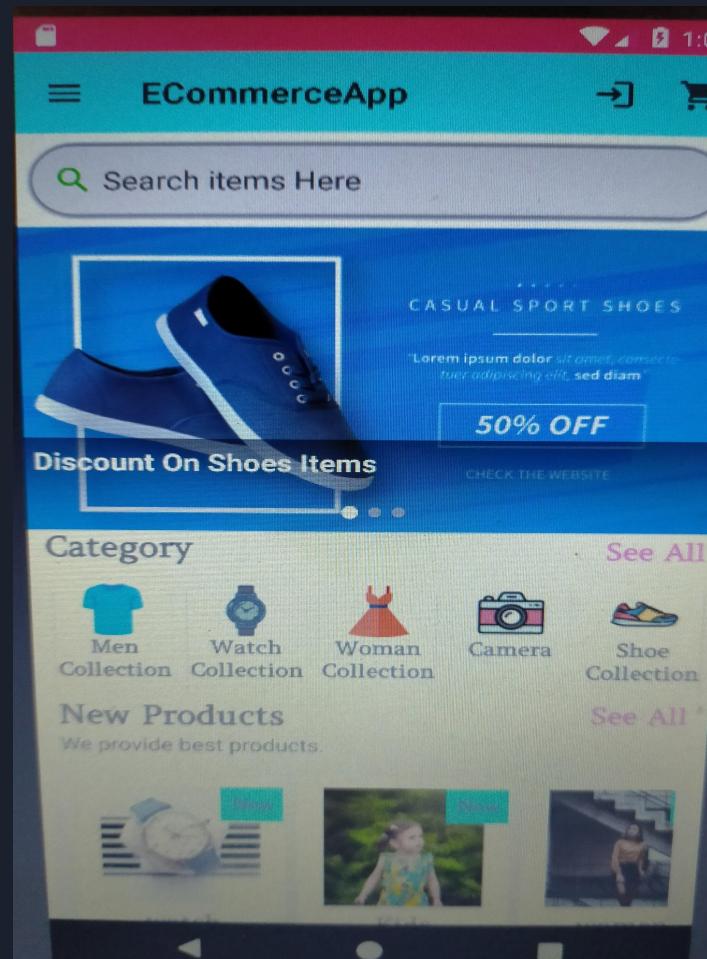
Category wise products

After successfully login by customer.

It is redirected to homepage where customer can see many features like category wise product.

Category wise products including men collection, watch collection, woman collection, camera and shoe collection.

After clicking on any particular collection by customer. Then collection will show products of this collection only.



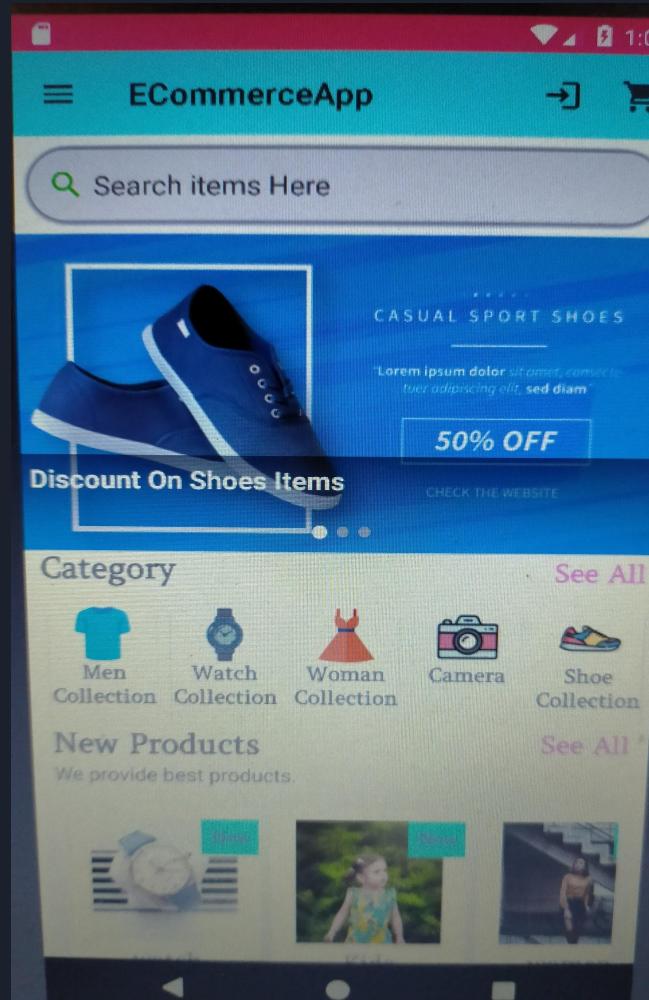
New products

In homepage where customer can see many features like New products.

It is showing New products which are added recently in my E-Commerce app.

Clicking on any new product.

It will showing product detail like product price, product rating, product image, quantity of product can be increased or decreased, Add to cart and buy now option.



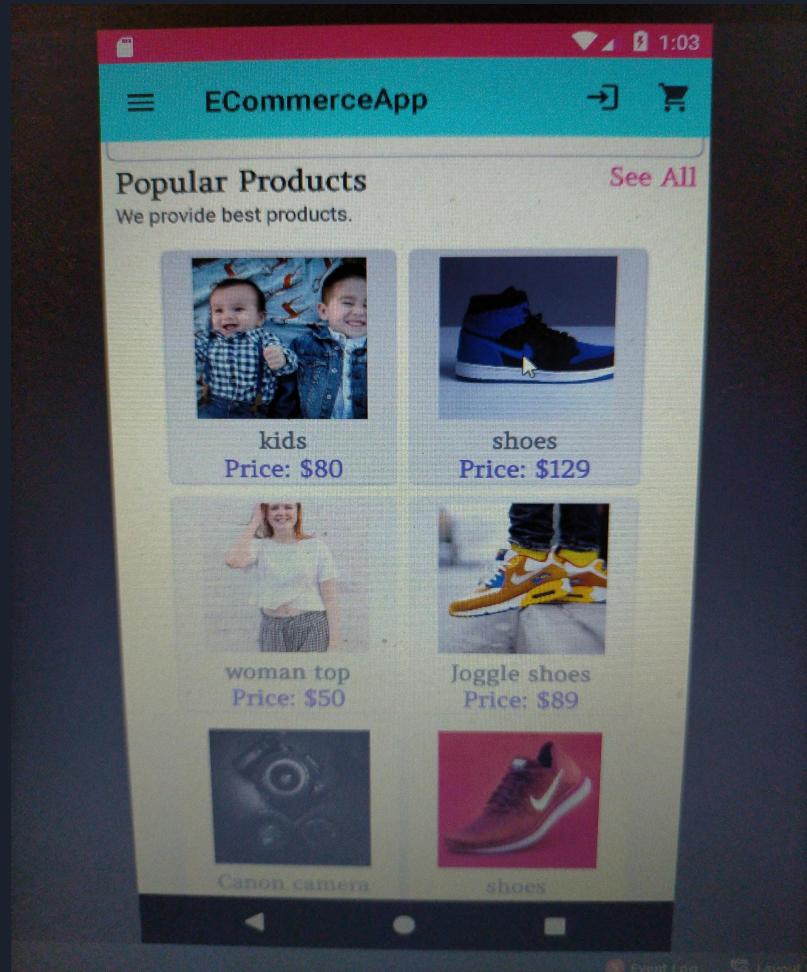
Popular products

homepage where customer can see many features like Popular products.

It is showing popular products which are more popular and purchase in my E-Commerce app.

Clicking on any popular product.

It will showing product detail like product price, product rating, product image, quantity of product can be increased or decreased, Add to cart and buy now option.



Search feature and It's working

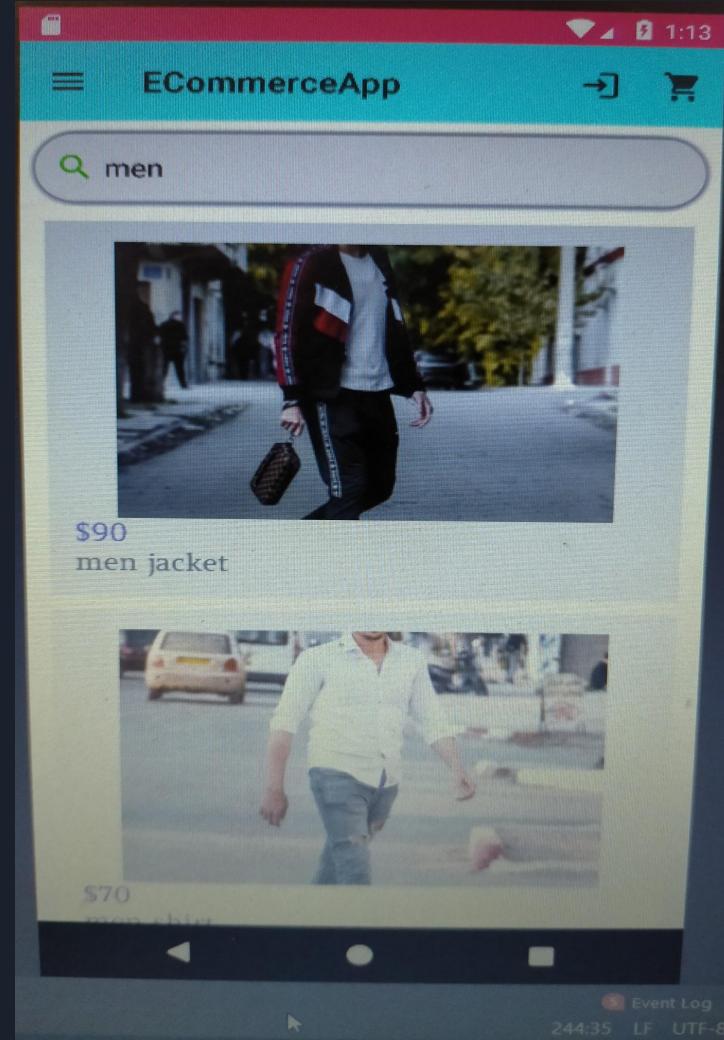
homepage where customer can see many features like Search items here.

It is showing Searched products by customer which are present in my E-Commerce app.

Clicking on any searched product.

It will showing product detail directly.

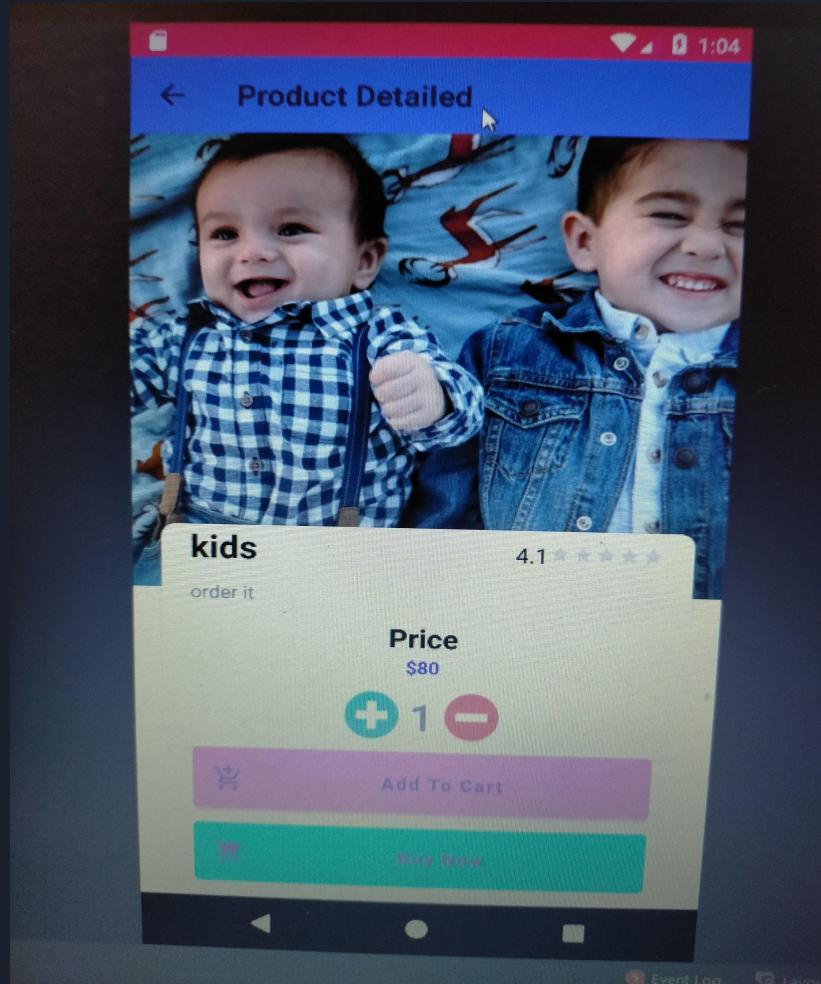
It is very easy and less time purchasing of customer.



Product details

After Clicking on any product.

It will showing product detail like product name, price, product rating, product image, quantity of product can be increased or decreased, Add to cart and buy now option.



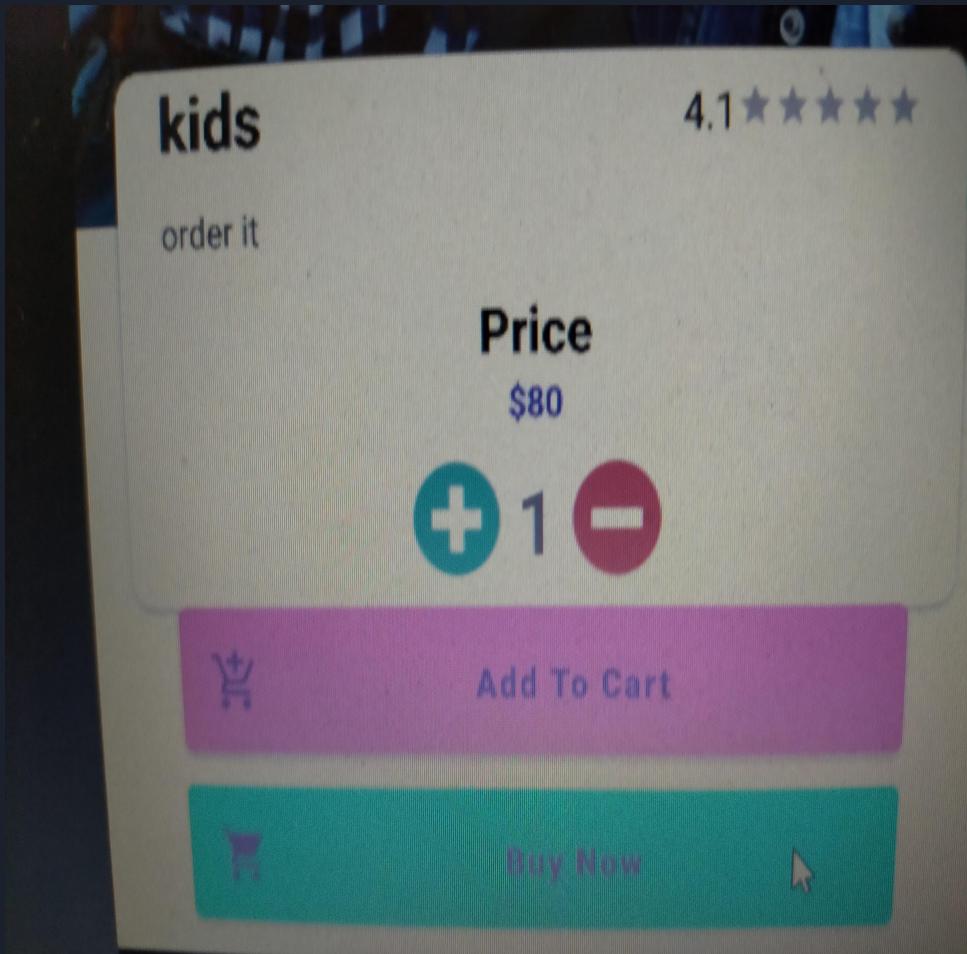
Add to Cart, Buy now

After clicking on any product.

It will showing main features like

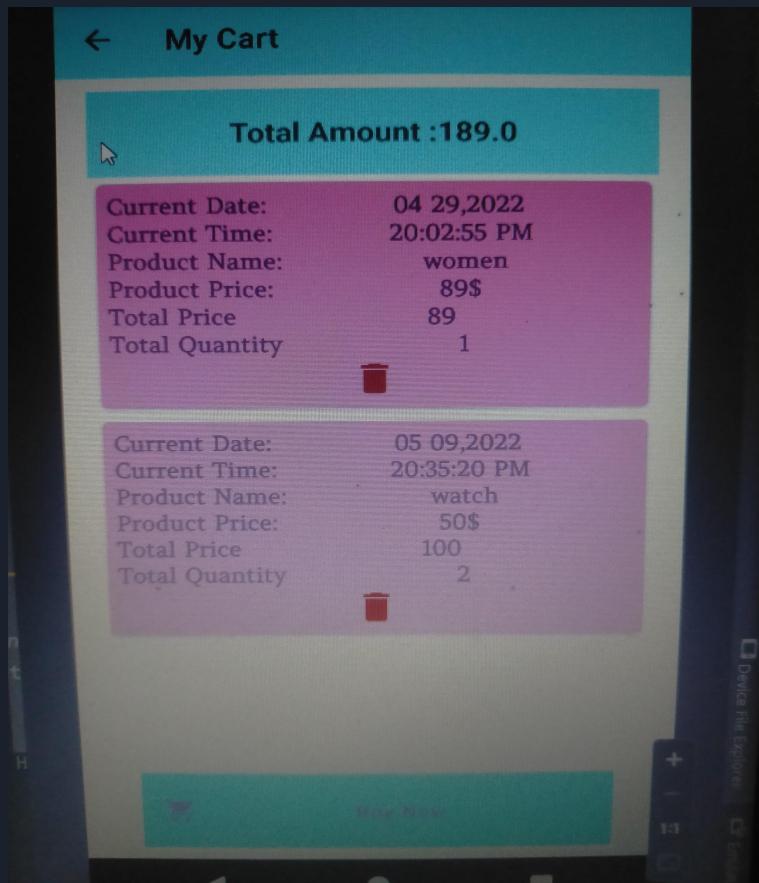
Add to cart option.it will added products to the cart for placing order easily.

Below is Buy now option. It will directly going to place order easily.



Delete items from cart

If customer wants to remove or delete any item from add to card then customer can easily delete any item after clicking on this deleted icon.

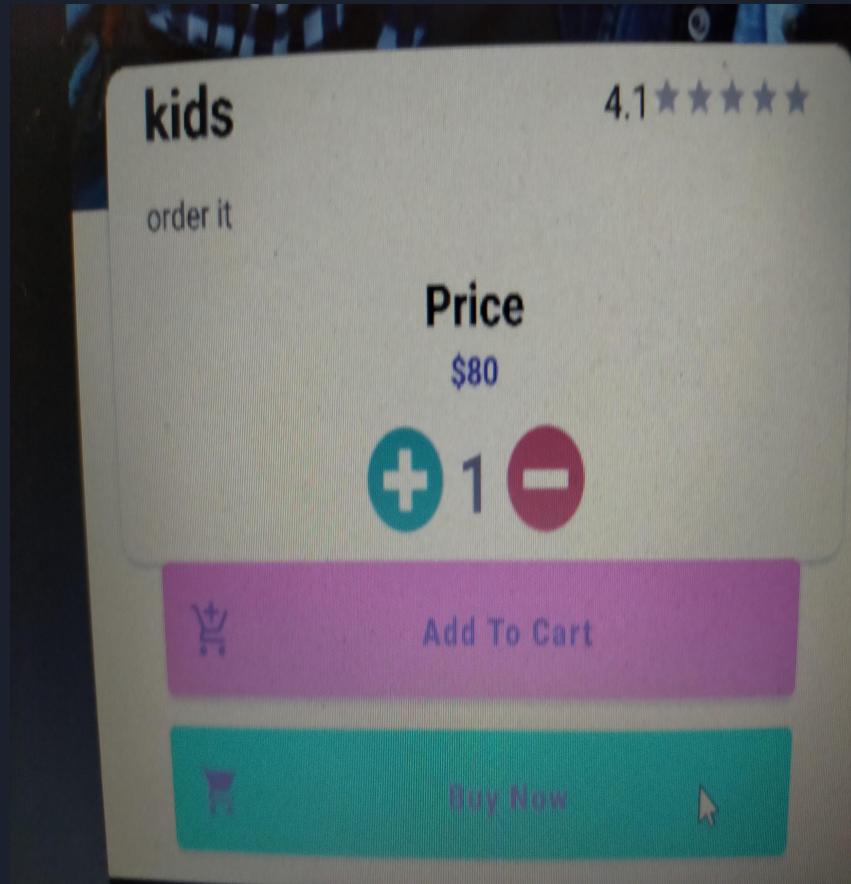


Quantity increment by +, decrement by - sign

After clicking on Plus sign, increase quantity one by one.

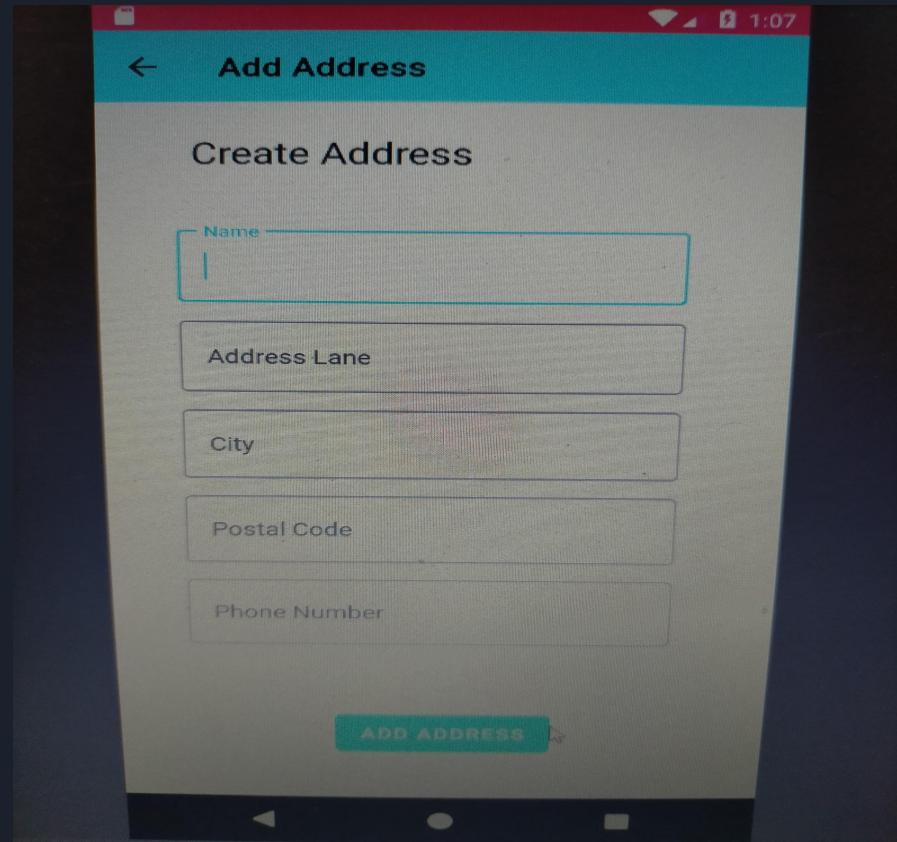
After clicking on minus sign, decrease quantity one by one.

Changing quantity is used for add to cart and buy now option.



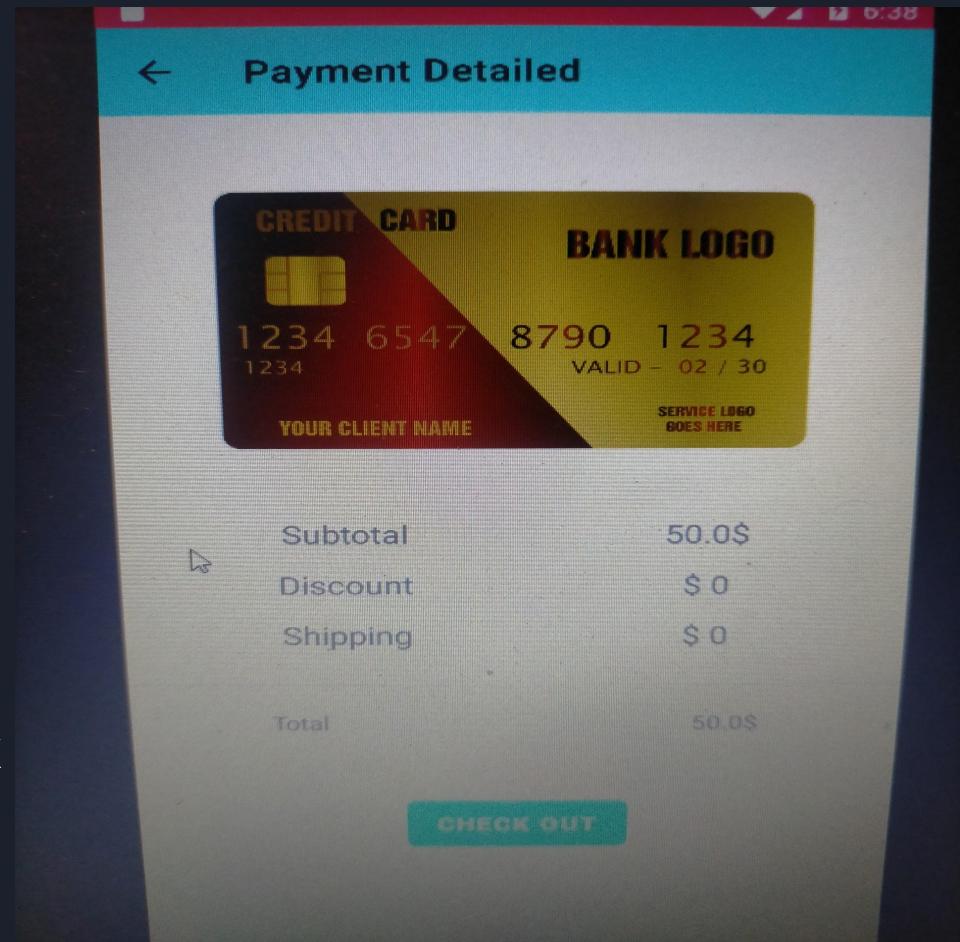
Add address for payment

after clicking on buy now. It will redirected to select address or create new address.after filling all details then click on add address.



Payment details

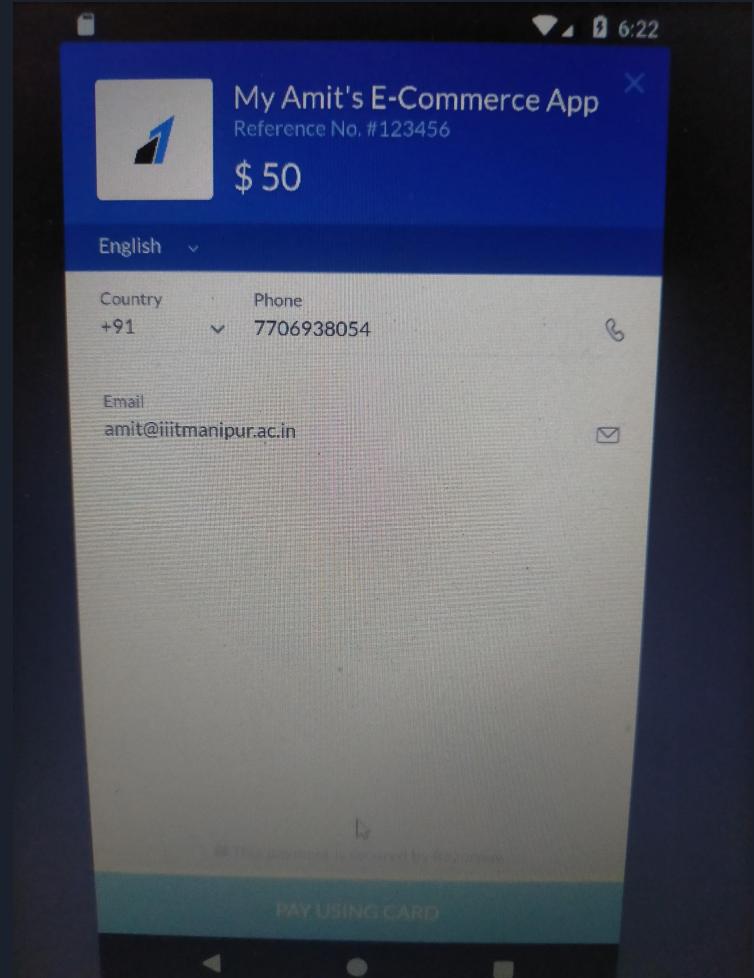
Then click on continue to payment.it will redirect to payment details. where sub total amount, discount, shipping charges and total amount is showing. click on Check out for next step.



Razorpay payment method

After Clicking on check out. It will redirected to razorpay payment method where is showing phone number and email ID. below is showing pay using card. After clicking on pay using card.

Redirected to Card details. After filling card detail correctly. Do payment easily.



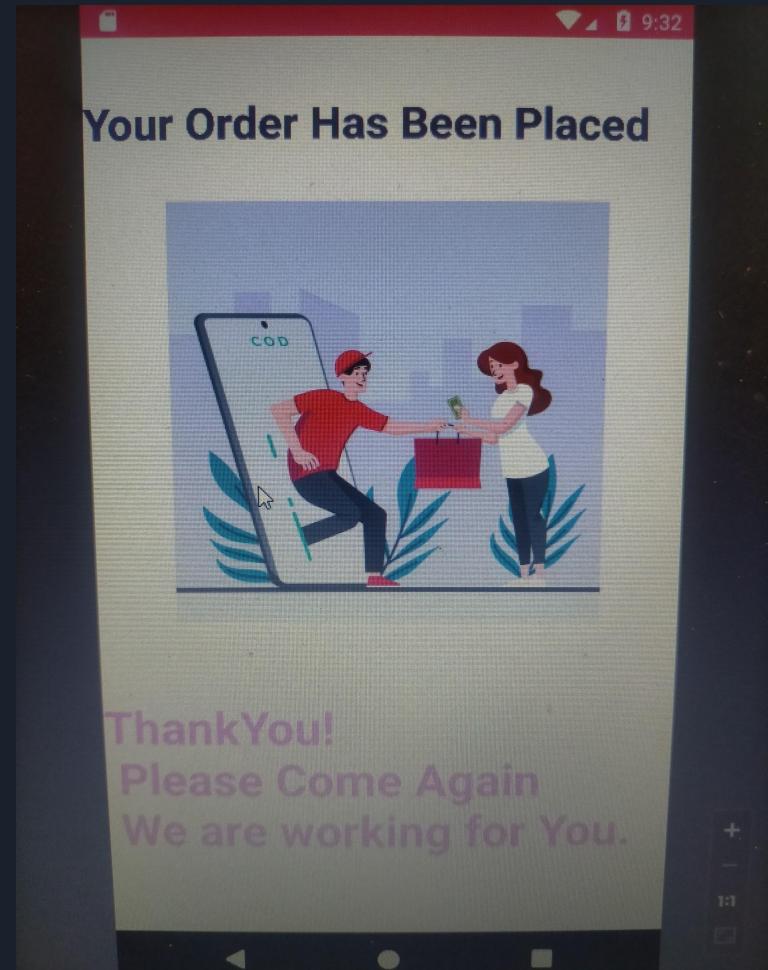
Placed order

After doing successful payment.it will Redirected to placed order page. Where showing your order has been placed.

Thank you purchasing our product

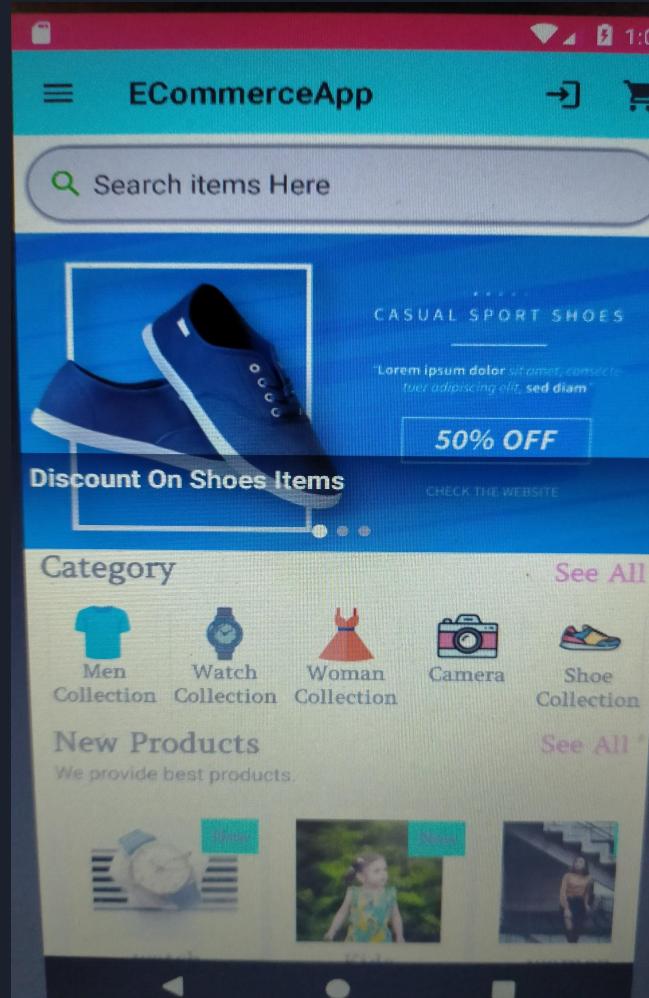
.

please come again.We are working for you.



Logout

Customer can easily logout account after clicking on logout icon which is in top right corner.





Challenges of Ecommerce Business

There is a need for Cyber data and Security.

Returns and exchanges are areas that need to be streamlined; some companies are too liberal while others have stringent policies.

The UPI framework needs to be further strengthened and improved for ease of payments

Greater data security is the needed.

Strict laws to deal with internet frauds are much needed.

Online Identity Verification.

Attracting Perfect Customers.



Future Scope

The scope of ecommerce is really good now and in the future also because of more number of online users on the internet.

India is the second largest population country in the world and that makes the reason for expanding e-business. The business opportunities in the ecommerce sector is really high.



Goal Of Ecommerce

The goal of e-commerce is to:

Reduce management costs.

Provide a unique shopping experience

Increased brand awareness

Increased revenue.

Making digitalized world.

To replaced paper work as all transactions are through Internet today.



Benefits

lots of advantages, application and benefits of e-commerce are present .

Lower Cost than traditional shopping and selling.

Less time purchasing and faster consumer consumption.

Exciting offers and shopping deals notifications.

Transparent business system.

E-Commerce is not an IT issue but a whole business undertaking.

Companies that use it as a reason for completely re-designing their business processes are likely to reap the greatest benefits.

Moreover, E-Commerce is a helpful technology that gives the consumer access to business and companies all over the world.

Business opportunities in e-commerce sector is really high.



Conclusion

E-Commerce is a app where any customer can buy any product easily.

My app is less time purchasing and no need to go market.

In COVID situation, it is very helpful and convenient.

My app provides wider selection of products easily.

Customer can search products according to needs and buy it easily.



Thankyou!