E-COMMERCE

A PROJECT REPORT

Submitted By

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Submitted in partial fulfillment of the
Requirements for the Degree of

MASTER OF COMPUTER APPLICATIONS

Under the Supervision of
Dr. Amit Kumar Gupta
Assistant Professor of KIET Group Of Institutions, Ghaziabad

Submitted to

DEPARTMENT OF COMPUTER APPLICATIONS
KIET Group of Institutions, Ghaziabad
Uttar Pradesh-201206

(June , 2022)

DECLARATION

I hereby declare that the work presented in this report entitled “E-COMMERCE”,was carried out by me. I have not submitted the matter embodied in this report for the award of any other degree or diploma from any other University or Institute.

I have given due credit to the original authors/sources for all the words, ideas, diagrams, graphics, computer programs, experiments, and results, that are not my original contribution. I have used quotation marks to identify verbatim sentences and given credit to the original authors/sources.

I affirm that no portion of my work is plagiarized, and the experiments and results reported in the report are not manipulated. In the event of a complaint of plagiarism and the manipulation of the experiments and results, I shall be fully responsible and answerable.

Name: Abhishek Tiwari

Roll No: 2000290140007

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Name: Mayank Singh

Roll No: 2000290140069

(Candidate Signature)

Branch: MCA (4th Sem)

CERTIFICATE

Certified that **Abhishek Tiwari (2000290140007), Mayank Singh(2000290140069),** have carried out the project work having "E-COMMERCE" for Master of Computer Applications from Dr. A.P.J. Abdul Kalam Technical University (AKTU) (formerly UPTU), Technical University, Lucknow under my supervision. The project report embodies original work, and studies are carried out by the student himself and the contents of the project report do not form the basis for the award of any other degree to the candidate or to anybody else from this or any other University/Institution.

Date:28-05-2022

Abhishek Tiwari(2000290140007)

Mayank Singh (2000290140069))

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

Date:28-05-2022

Dr. Amit Kumar Gupta
Assistant Professor
Department of Computer Applications
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Signature of Internal Examiner **Signature of External Examiner**

Dr. Ajay Shrivastava
Head, Department of Computer Applications
KIET Group of Institutions, Ghaziabad

ABSTRACT

Our Project “E-COMMERCE” is an Online Shopping Website. The objective of this online shopping website is to improve the services of customers. The main features of this project are high accuracy, design flexibility, and easy availability. This website allows customers to shop and buy items online. This project is an attempt to provide the advantages of online shopping to customers.

This online shopping website allows users to shop from anywhere and anytime and it provides users to find more variety of products with fewer expenses. Users can compare multiple items at a time in this application. This application saves a lot of time and users can avoid crowds for shopping. This project is designed from a user point of view. The user-friendly design helps the users in accomplishing their tasks with ease. Attempts have been made to keep the design simple and understandable. Technologies like HTML, CSS, JavaScript, React-JS, and firebase have been used in this project.

The user module: The user should fill out the registration by submitting all the details like email and address. Users can make search for the product and add the item to the cart. Nowadays the lifestyle of the people is different. People feel uncomfortable and time- consuming going to crowded markets. So, E-Shopping is a boon as it saves a lot of time.

Online shopping is a process whereby consumers directly buy goods, services, etc. from a seller without an intermediary service over the Internet. Shoppers can visit web stores from the comfort of their house and shop by sitting in front of the computer. Online stores are usually available 24 hours a day and many consumers have internet access both at work and at home. So it is very convenient for them to shop online. One of the most enticing factors about online shopping, particularly during the holiday season is, that it alleviates the need to wait in long lines or search from a store for a particular item. A variety of goods are available online. So theresearcher wants to know the preference of the consumers. So fifty respondents were met and data were collected regarding their preference for shopping online.

ACKNOWLEDGEMENTS

Success in life is never attained single-handedly. My deepest gratitude goes to my thesis supervisor, **Dr. Amit Gupta** for his guidance, help, and encouragement throughout my research work. Their enlightening ideas, comments, and suggestions.

Words are not enough to express my gratitude to Dr. Ajay Kumar Shrivastava, Professor, and Head of, the Department of Computer Applications, for his insightful comments and administration help on various occasions.

Fortunately, I have many understanding friends, who have helped me a lot in many critical conditions.

Finally, my sincere thanks go to my family members and all those who have directly and indirectly provided me with moral support and other kinds of help. Without their support, completion of this work would not have been possible in time. They keep my life filled with enjoyment and happiness.

Abhishek Tiwari

Mayank Singh

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CHAPTER 1

1. INTRODUCTION

The over-project "E-COMMERCE" provides users to login into the project by entering their name, email, and other details and password link. The account verification link gets in the email, after clicking the link the account will get activated and the account and user can log in to their account and sees the products and order the items. The selected items are stored in the card where he /she sees all the products that he/ she ordered In the project. For ordering the project the user registered their Address and select the payment method to pay the price of that product. IF the user selects by Debit card/credit card then the customer must enter their card details for doing the online payment functionality we are using the stripe payment gateway Stripe was founded in 2011 and is **a payment gateway that lets you accept credit card payments (in person or online) by transferring money between your merchant account and a payment processor**.

With the advancement in technology and science, people can now do various things in the comfort of their homes and one such thing is online shopping. It has gained a lot of spotlight due to its ever- increasing demand and craze among people. Online shopping refers to the way of purchasing things online without actually going to the physical stores. People nowadays are busy earning their livelihood and they hardly get any time to go shopping, however, with the advent of online shopping, they can now order anything be it clothes, footwear, gadgets, appliances, and much more. There are numerous advantages of online shopping, let's take an insight into it. Online shopping is the best option for people who do not have much time and are busy in their office and business work. It is a convenient way for the people who cannot withstand crowded places and malls for shopping so they can sit at their home or office and can order anything anytime. Online shopping offers a vast variety of options which is not possible with physical shopping. You can browse through different websites and can choose the product according to your requirements.

Online shopping does not require physical cash and you can make payments through your debit or credit cards although you have an option of cash on delivery. Well, everything comes with some disadvantages as well. Although online shopping is easy and convenient, however sometimes it disappoints you as things ordered online may not seem the same when they arrive at your door, the color, the size, or something else can be different from the actual item. Also, there are some websites that are fake and provide you with great offers to tempt you and befool you in the end. So it is important that we should do online shopping wisely and with much care in order to avoid

1.1 PROJECT DESCRIPTION

The over-project "**E-COMMERCE**" provides users to login into the project by enter there name, email, and other details and password links. The account verification link gets in the email, after clicking the link the account will get activated and the account and user can log in to their account and sees the products and order the items. The selected items are stored in the card where he /she sees all the products that he/ she ordered In the project. For ordering the project the user registered their Address and select the payment method to pay the price of that product. IF the user selects by Debit card/credit card then the customer must enter their card details for doing the online paymentfunctionality we are using the stripe payment gateway

In this project, we give many modules that's make the website user friendly and easy to use theproject

1. Create Account: In this module, the user enters his /her name email id, and password and clicks the Continue button then the customer gets an account verification link in his emailaccount and confirms his account
2. Login Module: In this module after the creation of the account the user login with the help ofEmailid and password, if a customer forgot the password then he/she reset the password
3. Home Page: On the home, page user see the products, search the products and if he wants tobuy aproduct he/she adds the product to the card
4. AddToCart: On the AddToCart, page Customer see all products which he/she wants to buyIn Thispage, users can also remove the products
5. Address Module: In this module, customers fill the basic information about his address, contactnumber and pin code
6. Buy Module: On the Buy Page user can buy the product and select the payment method cashand by card, if he chooses by card method then the customer needs to enter his and her card details
7. Logout Module: On this module when the user clicks this he logs out from his account and hislogin session is got over

Language Used:

In this project we are used Html,CSS, JavaScript and ,ReactJs and for data base we user firebase

The Firebase Realtime Database lets you build rich, collaborative applications by allowing secure access to the database directly from client-side code**. Data ispersisted locally,and even while offline, realtime events continue to fire, givingthe end-user aresponsive experience**

The main features of this project are high accuracy, design flexibility, and easy availability.This website allows customers to shop and buy items online. This project is an attempt to provide the advantages of online shopping to customers. This online shopping website allows users to shop from anywhere and anytime and it provides users to find morevariety of products with fewer expenses. Users can compare multiple items at a time in this application. This application saves a lot of time and users can avoid crowds for shopping. Thisproject is designed from a user point of view. The user-friendly design helps the users in accomplishing their tasks with ease. Attempts have been made to keep the design s

1.2 PROJECT SCOPE

Purchasing and selling products and services over the internet without the need of going physically to the market was a time taking process. Online shopping is just like retail store shopping that we do by going to the market, but it is done through the internet. Online shopping has made shopping painless and added more fun. Online stores offer product descriptions, pictures, comparisons, prices, and much more. A few examples of these are Amazon.com, ebay.com, and framt.com and the benefits of online shopping is that by having direct access to consumer, the online stores can offer products that cater to the needs of the consumer, and cookies can be used for tracking the customer selection over the internet or what is of their interest when they visit the site again. Online shopping makes use of digital technology for managing the flow of information, products, and payment between consumers, site owners, and suppliers. Online shopping can be either B2B (business to business) or B2C (business to consumer).

A shopping cart is one of the important facilities provided in online shopping, this lets customers browse different goods and services, and once they select an item to purchase they can place the item in the shopping cart, and continue browsing till the final selection. Customers can even remove the items from the shopping cart that were selected earlier before they place the final order. It reminds us of the shopping basket that we carry in a departmental store.

- Sellers can increase and widen their reach to way beyond their cities – they can get customers from literally anywhere in the world, provided they are willing to ship.
- Even small businesses can increase their sales and grow by selling online
- They can enjoy massive savings in infrastructure, as they need not rent or purchasespace in pricey locations or spend on interiors, displays.
- As online stores can be operated with minimal staff, there are huge savings in salaries; sellers can also save on overheads like electricity and other utility bills.
- Online storefronts are open 24/7 to serve customers – no more worrying aboutmissing out because of holidays, strikes, or even lockdowns.
- They can respond quickly to market demands
- Sellers can deal in a wide range of products

They can analyze customer buying patterns and preferences and offer tailor-madeoffers, discounts, and services

1.3 HARDWARE & SOFTWARE REQUIREMENTS

1. Windows XP, Windows 7 (32/64 bit) or higher
2. Minimum 4 GB RAM and higher
3. 10 GB available space on the hard disk
4. At least one Internet Browser e.g. Chrome, Firefox, Microsoft Edge etc.
5. Node.js
6. Active internet connection minimum speed 512kbps and above.
7. At least one installed code Editor to test and debug your code e.g.
8. Visual studio code

CHAPTER 2

2. FEASIBILITY STUDY

A feasibility study assesses the operational, technical, and economic merits of the proposed project. The feasibility study is intended to be a preliminary review of the facts to see if it is worthy of proceeding to the analysis phase. From the systems analyst perspective, the feasibility analysis is the primary tool for recommending whether to proceed to the next phase or to discontinue the project.

The feasibility study is a management-oriented activity. The objective of a feasibility study is to find out if an information system project can be done and to suggest possible alternative solutions.

Projects are initiated for two broad reasons:

Problems that lend themselves to systems solutions

1. Opportunities for improving through (a) upgrading systems (b) altering systems (c) installing new systems A feasibility study should provide management with enough information to decide: Whether the project can be done Whether the final product will benefit its intended users and organization What are the alternatives among which a solution will be chosen Is there a preferred alternative

2.1 TECHNICAL FEASIBILITY

A large part of determining resources has to do with assessing technical feasibility. It considers the technical requirements of the proposed project. The technical requirements are then compared to the technical capability of the organization. The systems project is considered technically feasible if the internal technical capability is sufficient to support the project requirements. The analyst must find out whether current technical resources can be upgraded or added to in a manner that fulfills the request under consideration. This is where the expertise of system analysts is beneficial, since using their own experience and their contact with vendors they will be able to answer the question of technical feasibility. The essential questions that help in testing the operational feasibility of a system include the following:

Is the project feasible within the limits of current technology? Does the technology exist at all?Is it available within given resource constraints? Is it a practical proposition?
Manpower- programmers, testers & debuggers Software and hardware

Are the current technical resources sufficient for the new system?

Can they be upgraded to provide the level of technology necessary for the new system?Do we possess the necessary technical expertise, and is the schedule reasonable?

Can the technology be easily applied to current problems? Does the technology have the capacity to handle the solution?

React website slow

Often, web app performance issues are not related to React. **Analytics tracking libraries, excessive CSS animations, non-optimized images, frames, and many more factors can contribute to poor performance**. You can use the Chrome DevTools Performance tab to debug these issues

2.2 OPERATIONAL FEASIBILITY:

Reactjs is an open-source JavaScript library widely known for creating dynamic and highly responsive user interfaces. With a component-based architecture, Reactjs emerges as a very efficientsolution for developing fast & scalable front-end for web and mobile applications. It primarily focuses on building natural, interactive and appealing applications. Reactjs demands a minimal coding effort on the part of developers and offers best rendering performance.

Operational feasibility is dependent on human resources available for the project and involves projecting whether the system will be used if it is developed and implemented.

Operational feasibility is a measure of how well a proposed system solves the problems, and takes advantage of the opportunities identified during scope definition and how it satisfies the requirements identified in the requirements analysis phase of system development.

Operational feasibility reviews the willingness of the organization to support the proposed system. This is probably the most difficult of the feasibilities to gauge. In order to determine this feasibility, it is important to understand the management commitment to the proposed project. If the request was initiated by management, it is likely that there is management support and the system will be accepted and used. However, it is also important that the employee base will be accepting of the change. The essential questions that help in testing the operational feasibility of a system include the following:

- Does current mode of operation provide adequate throughput and response time?
- Does current mode provide end users and managers with timely, pertinent, accurateand usefulformatted information?
- Does current mode of operation provide cost-effective information services to thebusiness?
- Could there be a reduction in cost and or an increase in benefits?
- Does current mode of operation offer effective controls to protect against fraud andto guaranteeaccuracy and security of data and information?
- Does current mode of operation make maximum use of available resources, includingpeople, time,and flow of forms?
- Does the current mode of operation provide reliable services
- Are the services flexible and expandable?
- Are the current work practices and procedures adequate to support the new system?
- If the system is developed, will it be used

2.3 ECONOMICAL FEASIBILITY

Economic analysis could also be referred to as cost/benefit analysis. It is the most frequently used method for evaluating the effectiveness of a new system. In economic analysis the procedure is to determine the benefits and savings that are expected from a candidate system and compare them with costs. If benefits outweigh costs, then the decision is made to design and implement the system. An entrepreneur must accurately weigh the cost versus benefits before taking an action. Possible questions raised in economic analysis are:

- Is the system cost-effective?
- Do benefits outweigh costs?
- The cost of doing a full system study
- The cost of business employee time
- Estimated cost of hardware
- Estimated cost of software/software development
- Is the project possible, given the resource constraints?
- What are the savings that will result from the system?
- Cost of employees' time for study
- Cost of packaged software/software development
- Selection among alternative financing arrangements (rent/lease/purchase)

The concerned business must be able to see the value of the investment it is pondering before committing to an entire system study. If short-term costs are not overshadowed by long-term gains or produce no immediate reduction in operating costs, then the system is not economically feasible, and the project should not proceed any further. If the expected benefits equal or exceed costs, the system can be judged to be economically feasible. Economic analysis is used for evaluating the effectiveness of the proposed system. The economical feasibility will review the expected costs to see if they are in line with the projected budget or if the project has an acceptable return on investment. At this point, the projected costs will only be a rough estimate. The exact costs are not required to determine economic feasibility. It is only required to determine if it is feasible that the project costs will fall within the target budget or return on investment. A rough estimate of the project schedule is required to determine if it would be feasible to complete the systems project within the required timeframe. The required timeframewould need to be set by the organization.

CHAPTER 3
DATABASE DESIGN

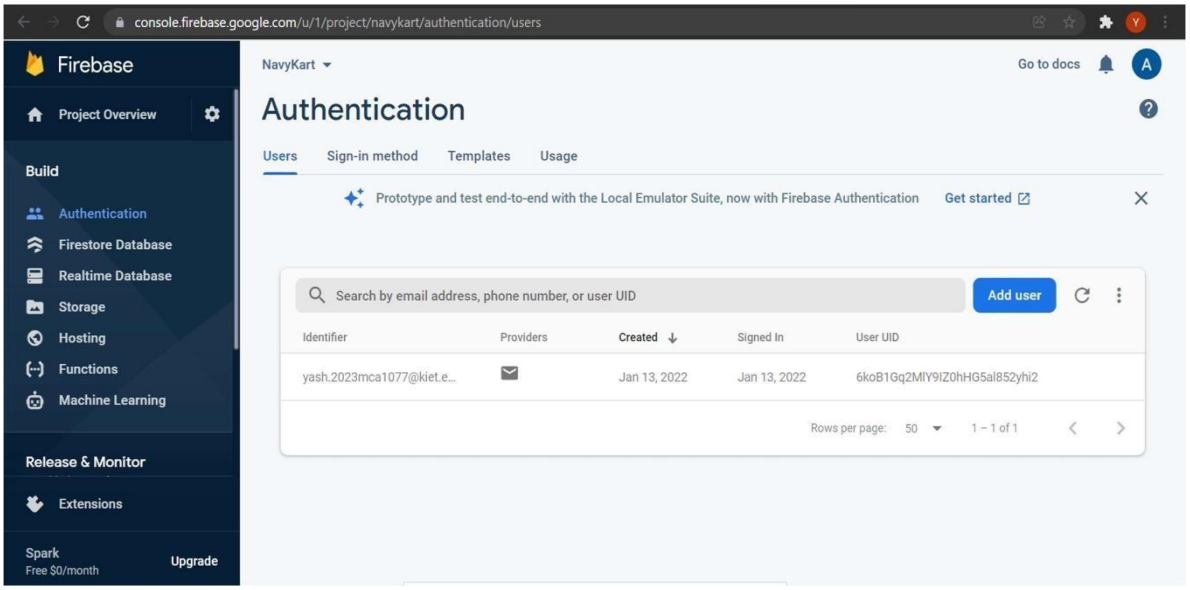
3.1DATA BAE TABLE

Firebase Realtime Database Store and sync data with our NoSQL cloud database. Data is synced across all clients in realtime, and remains available when your app goes offline. The Firebase Realtime Database is a cloud-hosted database. Data is stored as JSON and synchronized in realtime to every connected client. When you build cross-platform apps with our Apple platforms, Android, and JavaScript SDKs, all of your clients share one Realtime Database instance and automatically receive updates with the newest data.

The Firebase Realtime Database lets you build rich, collaborative applications by allowing secure access to the database directly from client-side code. Data is persisted locally, and even while offline, real-time events continue to fire, giving the end-user a responsive experience. When the device regains connection, the Realtime Database synchronizes the local data changes with the remote updates that occurred while the client was offline, merging any conflicts automatically.

The Realtime Database provides a flexible, expression-based rules language, called Firebase Realtime Database Security Rules, to define how your data should be structured and when data can be read from or written to. When integrated with Firebase Authentication, developers can define who has access to what data, and how they can access it.

The Realtime Database is a NoSQL database and as such has different optimizations and functionality compared to a relational database. The Realtime Database API is designed to only allow operations that can be executed quickly. This enables you to build a great real-time experience that can serve millions of users without compromising on responsiveness. Because of this, it is important to think about how users need to access your data and then structure it accordingly.



3.2 FLOW CHART

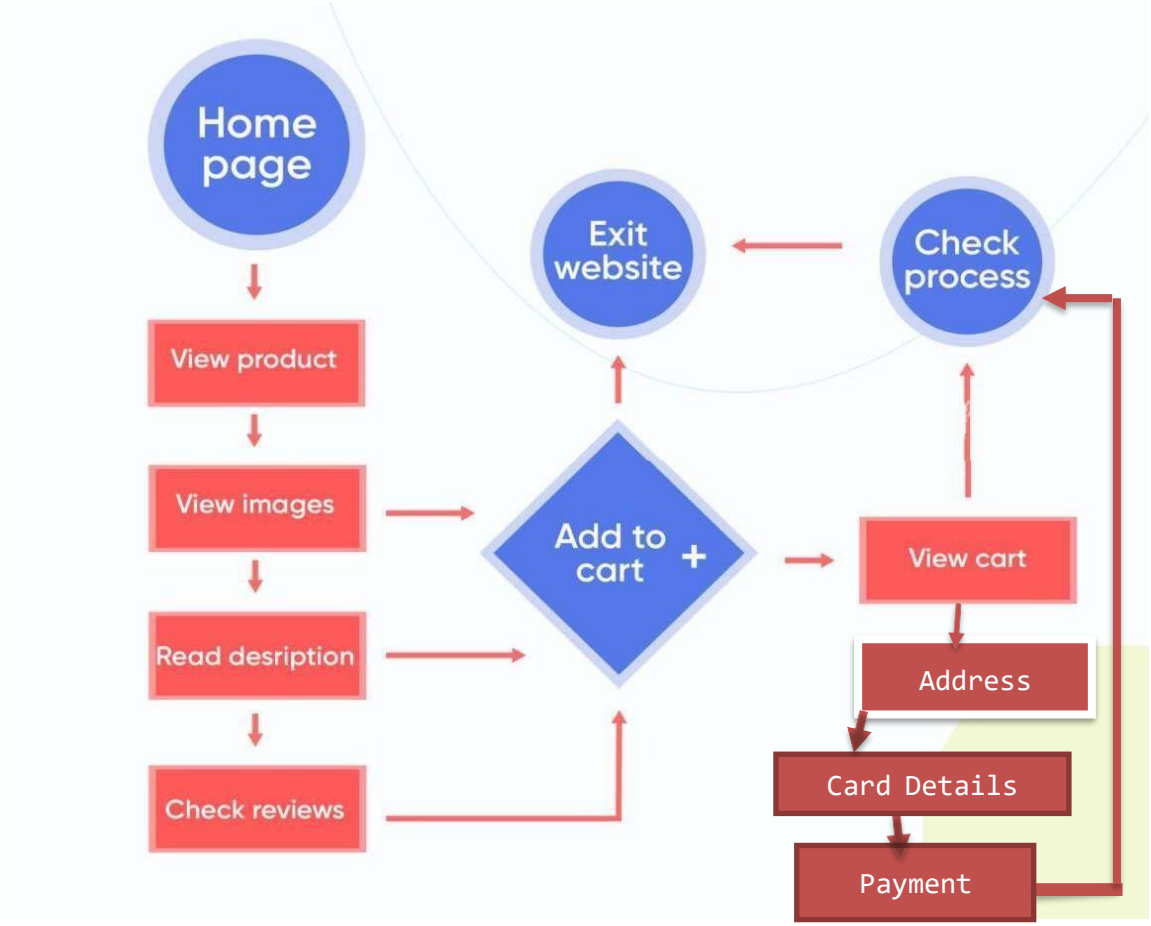
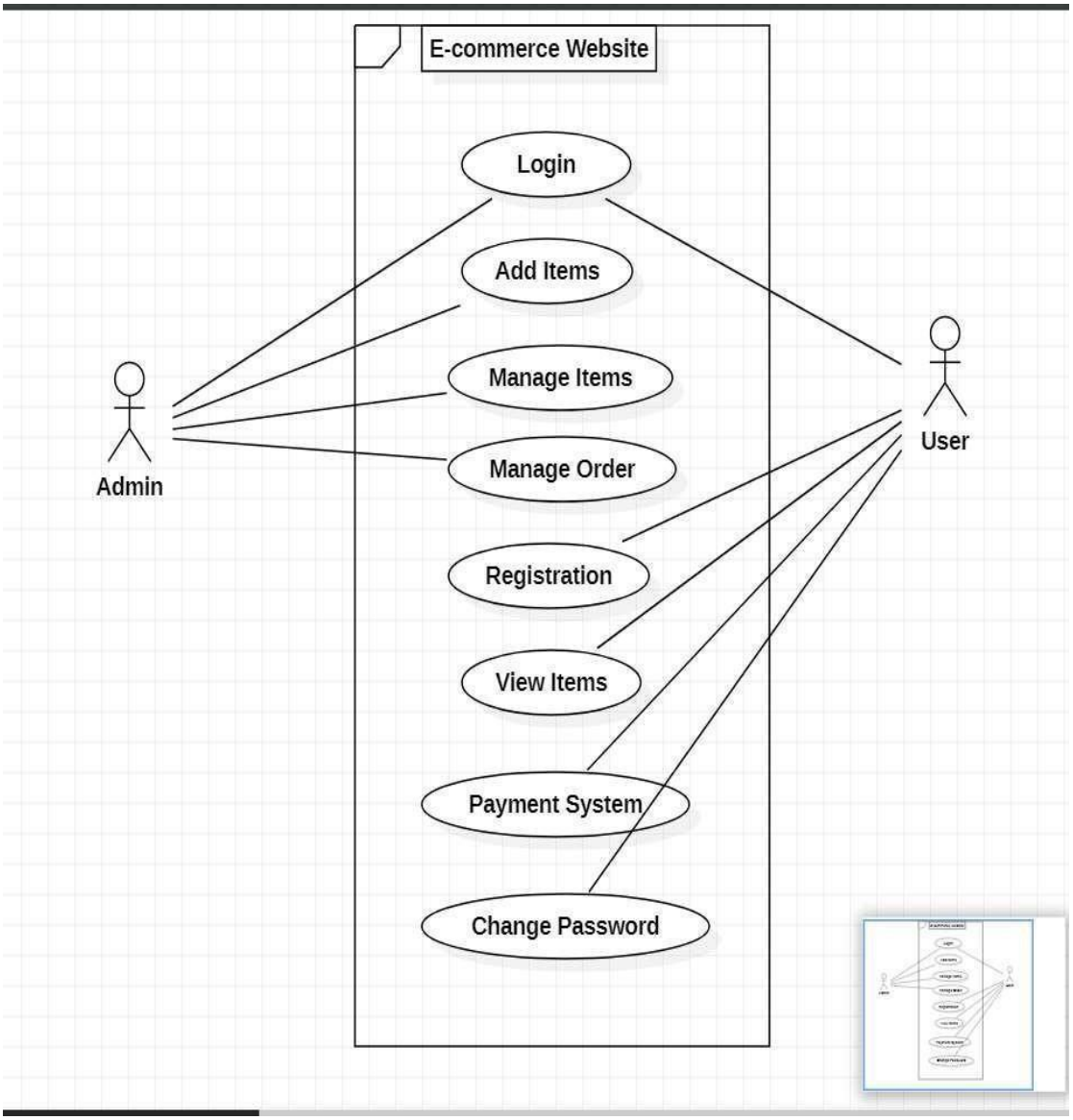
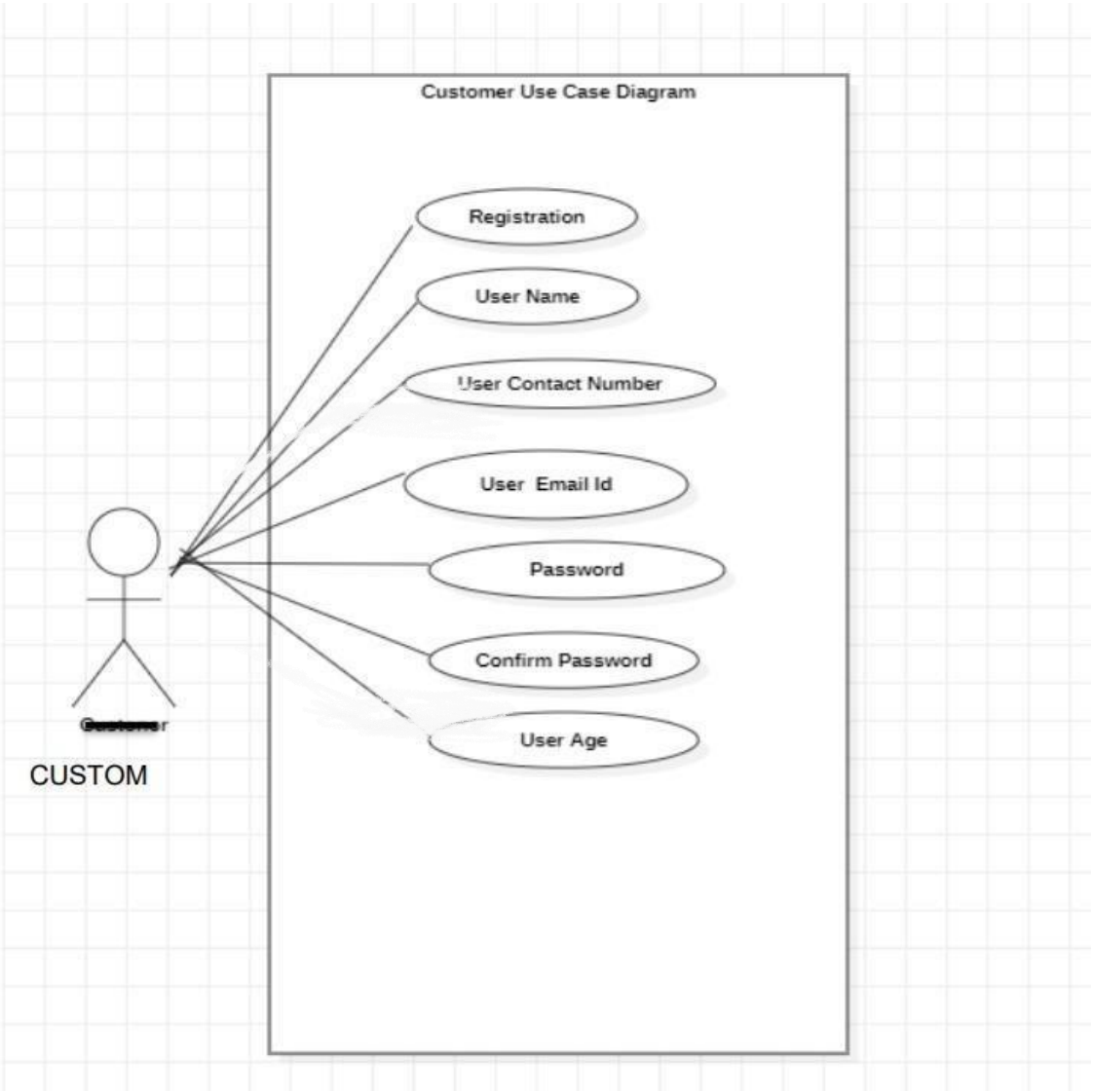


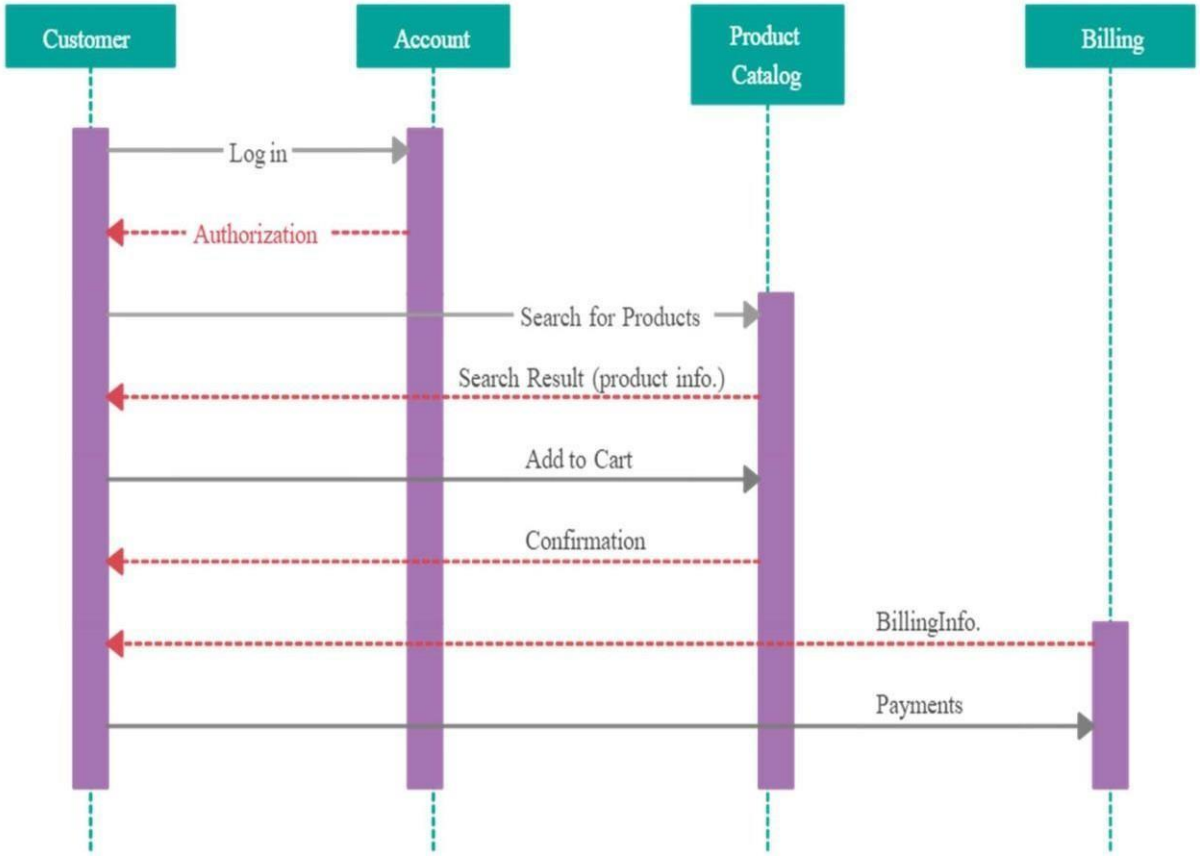
Figure 1: *Flow Chart*

3.3USE CASE DIAGRAM

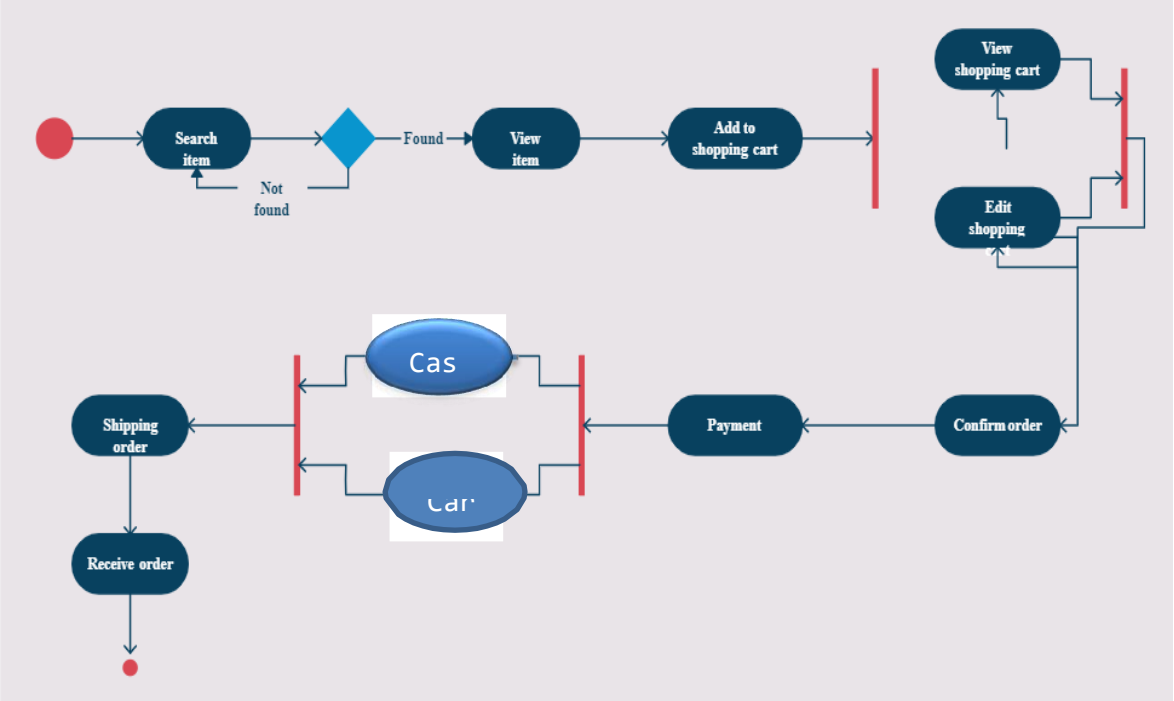



Customer Use Case Diagram
Registration
User Name
User Contact Number
User Email Id
Password
Confirm Password
User Age
CUSTOM

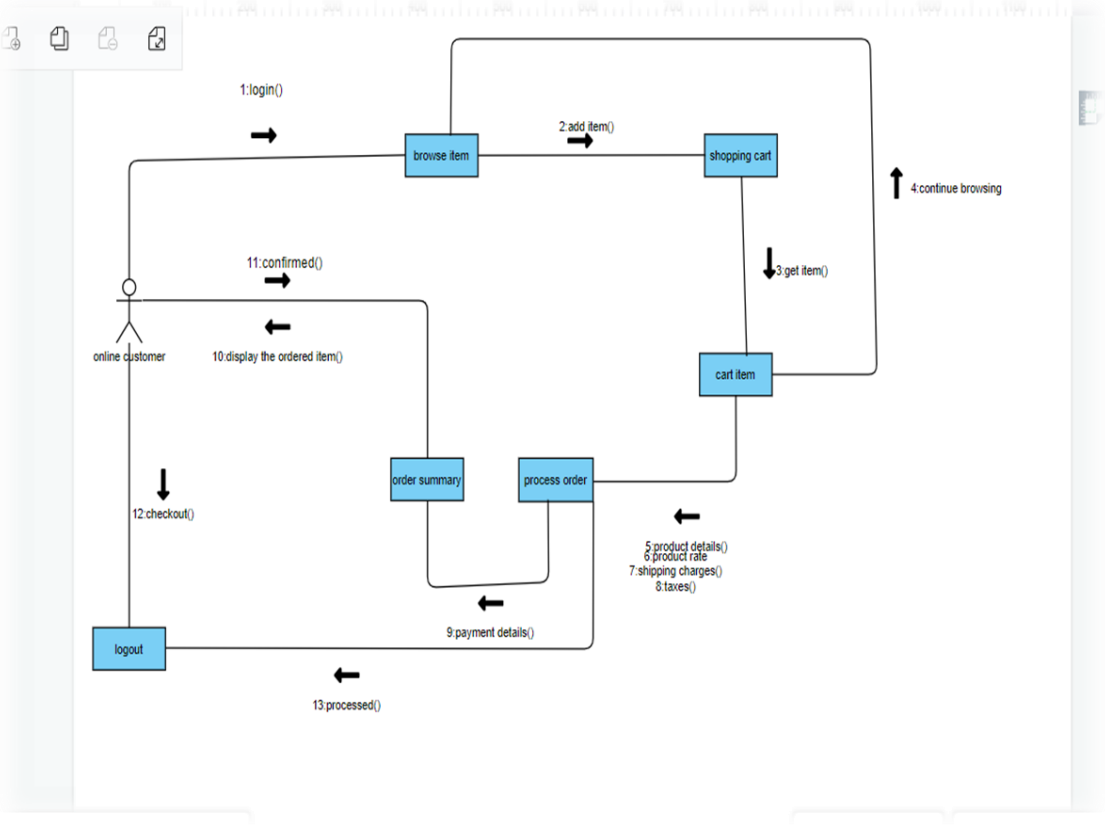
3.4 Sequence Diagram



3.5 ACTIVITY DIAGRAM:



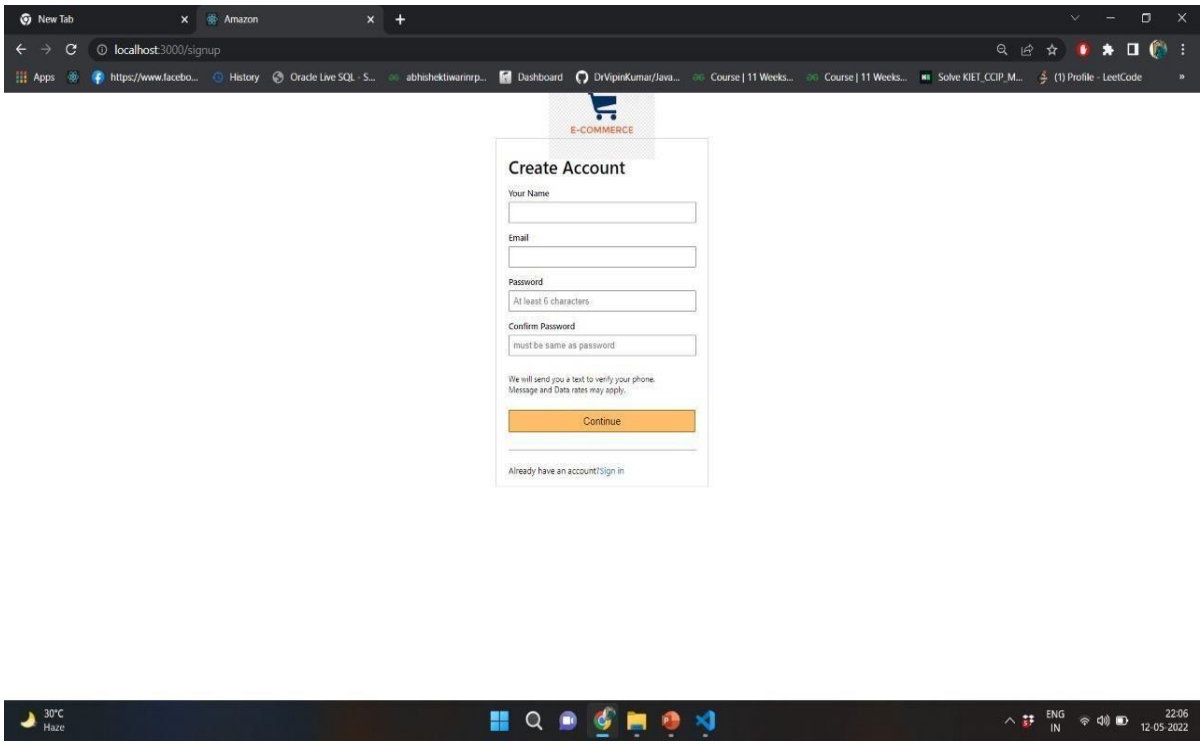
3.6 COLLABORATIVE DIAGRAM

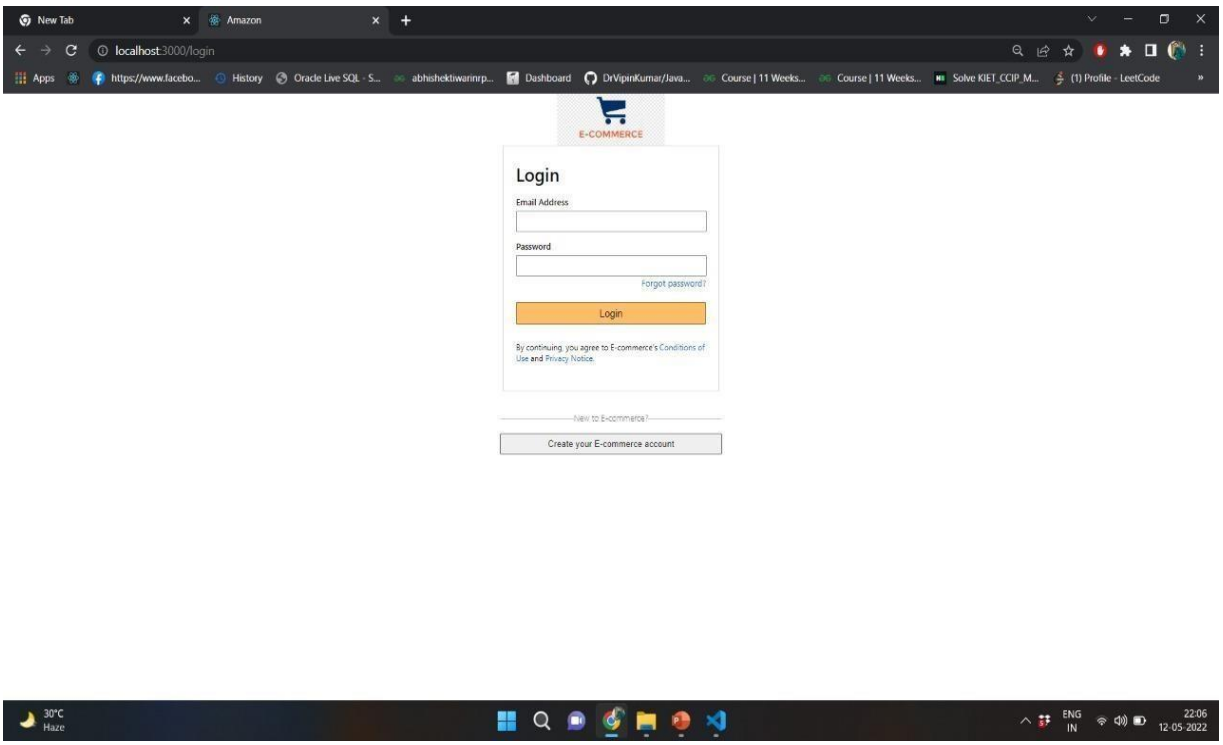


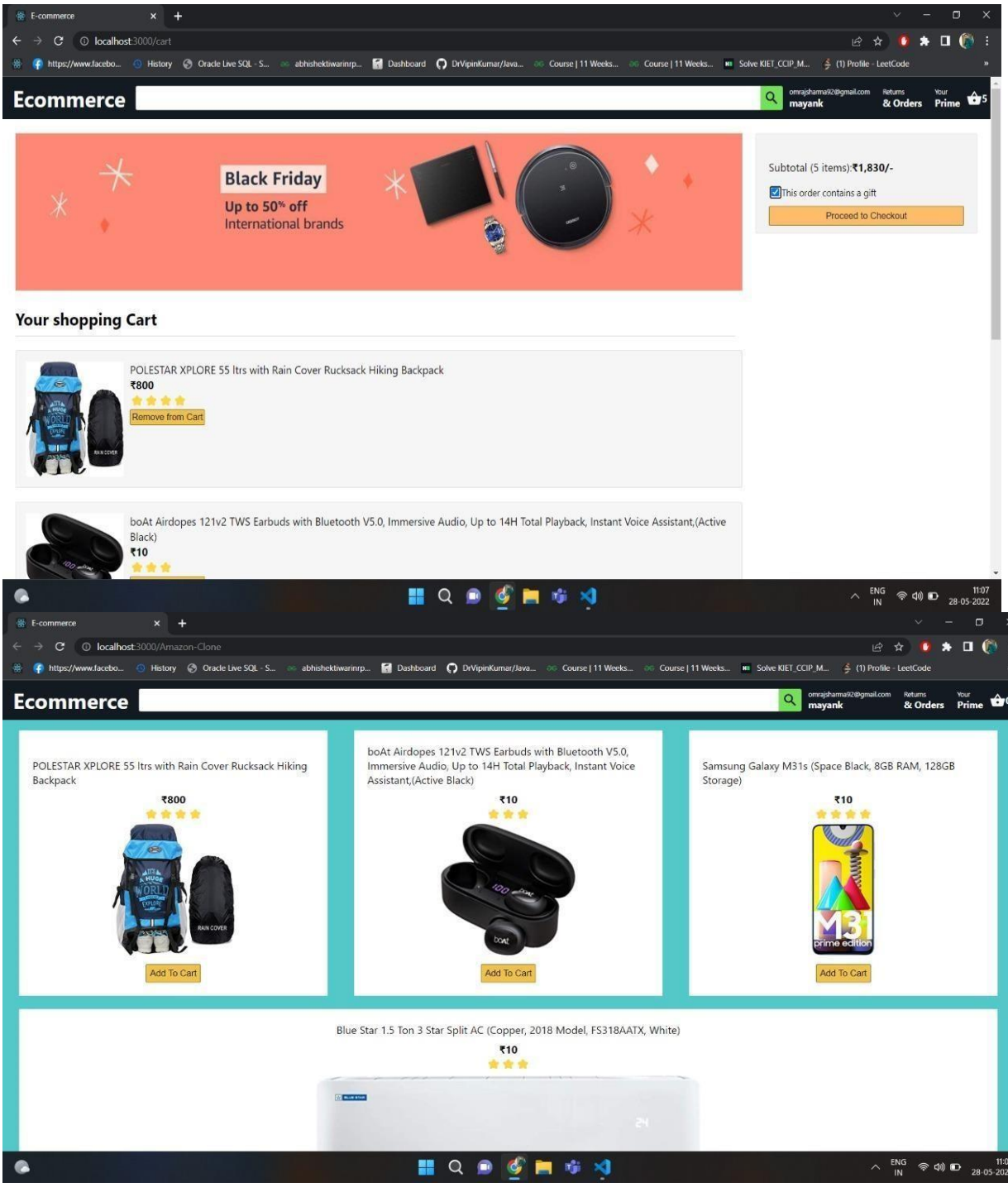
CHAPTER 4

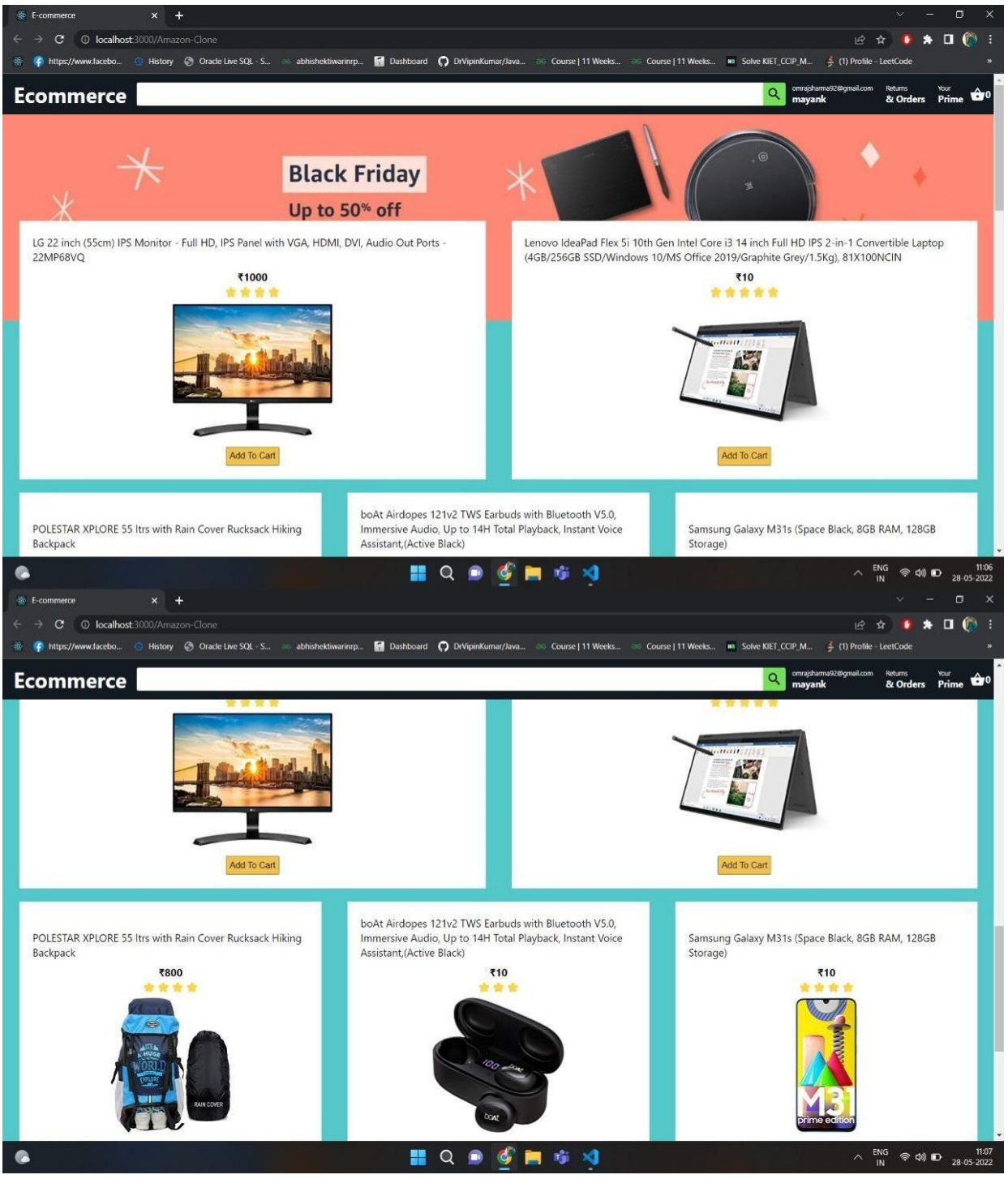
FORM DESIGN

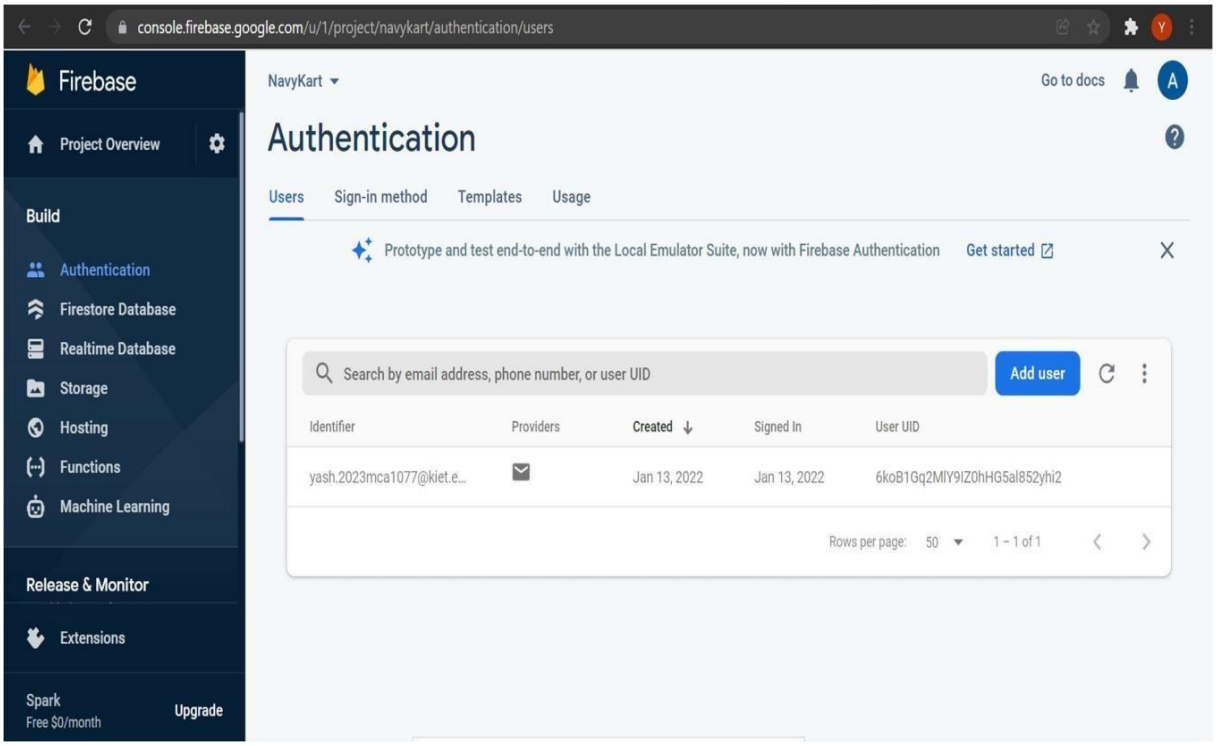
4.1 INPUT / OUTPUT FORM (SCREENSHOT)




New Tab
Amazon
localhost:3000/login
E-COMMERCE
Login
Email Address
Password
Forgot password?
Login
By continuing, you agree to E-commerce's Conditions of Use and Privacy Notice.
New to E-commerce?
Create your E-commerce account


E-commerce
localhost:3000/cart
Ecommerce
omrajsharma92@gmail.com
mayank
Returns
& Orders
Your
Prime
Black Friday
Up to 50% off
International brands
Subtotal (5 items):₹1,830/-
This order contains a gift
Proceed to Checkout
Your shopping Cart
POLESTAR XPLORE 55 ltrs with Rain Cover Rucksack Hiking Backpack
₹800
Remove from Cart
boAt Airdopes 121v2 TWS Earbuds with Bluetooth V5.0, Immersive Audio, Up to 14H Total Playback, Instant Voice Assistant,(Active Black)
₹10
E-commerce
localhost:3000/Amazon-Clone
Ecommerce
POLESTAR XPLORE 55 ltrs with Rain Cover Rucksack Hiking Backpack
₹800
Add To Cart
boAt Airdopes 121v2 TWS Earbuds with Bluetooth V5.0, Immersive Audio, Up to 14H Total Playback, Instant Voice Assistant,(Active Black)
₹10
Add To Cart
Samsung Galaxy M31s (Space Black, 8GB RAM, 128GB Storage)
₹10
Add To Cart
Blue Star 1.5 Ton 3 Star Split AC (Copper, 2018 Model, FS318AATX, White)
₹10


E-commerce
localhost:3000/Amazon-Clone
Ecommerce
mayank
Returns
& Orders
Your
Prime
Black Friday
Up to 50% off
LG 22 inch (55cm) IPS Monitor - Full HD, IPS Panel with VGA, HDMI, DVI, Audio Out Ports - 22MP68VQ
₹1000
Add To Cart
Lenovo IdeaPad Flex 5i 10th Gen Intel Core i3 14 inch Full HD IPS 2-in-1 Convertible Laptop (4GB/256GB SSD/Windows 10/MS Office 2019/Graphite Grey/1.5Kg), 81X100NCIN
₹10
Add To Cart
POLESTAR XPLORE 55 ltrs with Rain Cover Rucksack Hiking Backpack
boAt Airdopes 121v2 TWS Earbuds with Bluetooth V5.0, Immersive Audio, Up to 14H Total Playback, Instant Voice Assistant,(Active Black)
Samsung Galaxy M31s (Space Black, 8GB RAM, 128GB Storage)
₹800
₹10
₹10


console.firebase.google.com/u/1/project/navykart/authentication/users
Firebase
Project Overview
Build
Authentication
Firestore Database
Realtime Database
Storage
Hosting
Functions
Machine Learning
Release & Monitor
Extensions
Spark
Free $0/month
Upgrade
NavyKart
Go to docs
Authentication
Users
Sign-in method
Templates
Usage
Prototype and test end-to-end with the Local Emulator Suite, now with Firebase Authentication
Get started
Search by email address, phone number, or user UID
Add user
Identifier
Providers
Created
Signed In
User UID
yash.2023mca1077@kiet.e...
Jan 13, 2022
Jan 13, 2022
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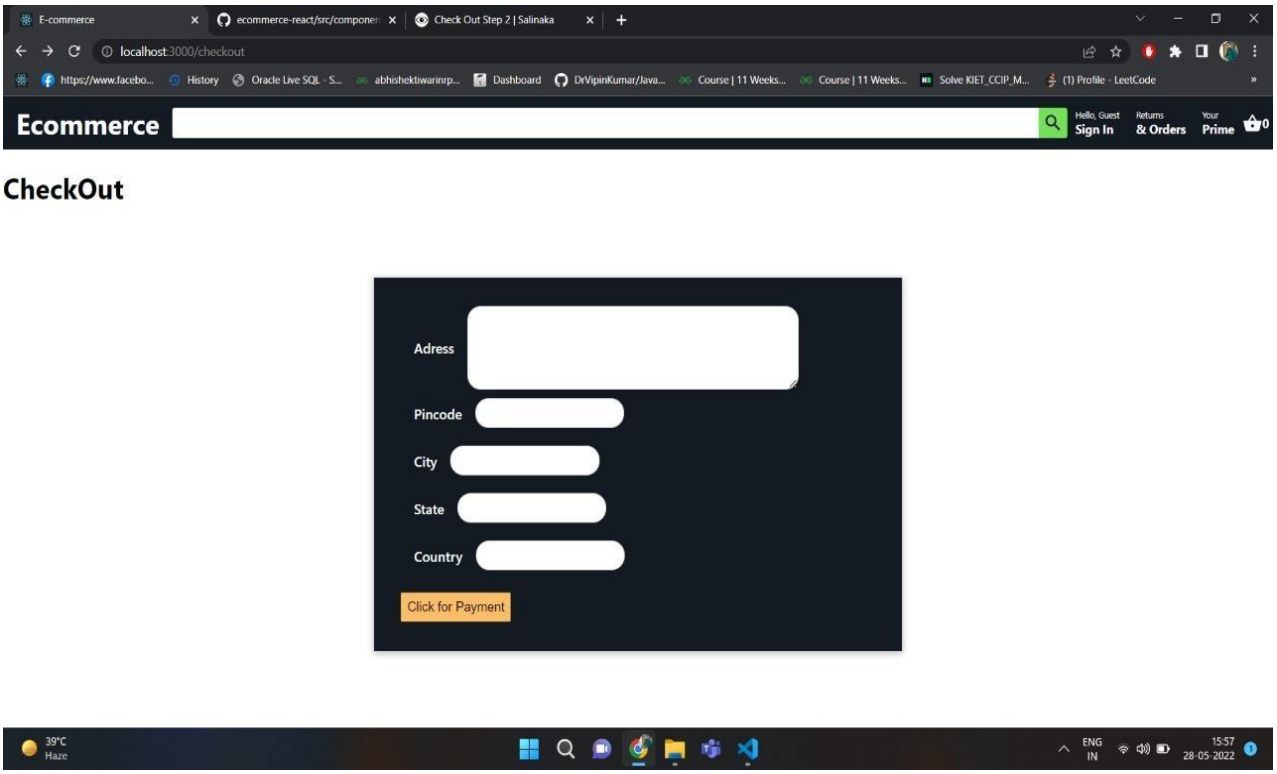
E-commerce
ecommerce-react/src/componen
Check Out Step 2 | Salinaka
localhost:3000/checkout
Ecommerce
Hello, Guest
Sign In
Returns
& Orders
Your
Prime
CheckOut
Adress
Pincode
City
State
Country
Click for Payment

CHAPTER 5

Coding

Index.html

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8" />
    <link rel="icon" href="%PUBLIC_URL%/favicon.ico" />
    <meta name="viewport" content="width=device-width, initial-scale=1" />
    <meta name="theme-color" content="#000000" />
    <meta
      name="description"
      content="Web site created using create-react-app"
    />
     <link rel="apple-touch-icon" href="%PUBLIC_URL%/logo192.png" />

    <link rel="manifest" href="%PUBLIC_URL%/manifest.json" />
    <title>NAVYkart</title>
  </head>
  <body>

    <noscript>You need to enable JavaScript to run this app.</noscript>
    <div id="root"></div>
      </body>
</html>
```

Cart.css

```
 .cart { display: flex;
    padding: 20px;
    height: fit-content;
  }

 .cart_left > img {
    width: 100%;
  }

 .cart_left > h2 {
    border-bottom: 1px solid lightgray;
    padding-bottom: 8px;
    margin-right: 10px;
  }

.cart_items {
   height: fit-content;display:
   flex;
   flex-direction: column;
}
```

Cart.js

```
import React from 'react'import './Cart.css'
import Ad from './Assets/Ad.jpg'import Subtotal from './Subtotal'
import { useStateValue } from './StateProvider'importCartProduct from './CartProduct'


function Cart() { const[{basket},dispatch]=useStateValue();

return (
<div className="cart">
                                                    <div  className="cart_left">
                                                    <img src={Ad} alt="" />
<h2>Your shopping Cart</h2>

<div  className="cart_items">
{ basket?.map(item=>(
<CartProduct img={item.image} description={item.Description}price={item.price}
rating={item.rating}
/>))
}
</div>
</div>

<div  className="cart_right">
<Subtotal/>
</div>
</div>
)
}

export default Cart
```

CartProduct.css

```
.cartProduct {
      display: flex;
      padding: 15px;
      border: 1px solid #dddddd;
      border-radius: 3px;
      background-color: #f6f6f6;
      margin-bottom: 20px;
}

.cartProduct > img {
   object-fit: contain;
   width: 150px;
}
.cartProduct > div {
   margin-left: 10px;
}
.cartProduct > div > button {
   cursor: pointer;
   color: #111;
   background-color: #f0c14b;
   border: 1px solid #846a29;
   border-radius: 2px;
   margin-top: 3px;
   padding: 2px;
}
```

CartProduct.js

```
import React from
'react'import
'./CartProduct.css'

function CartProduct(props) {

    const

    {img,description,price,rating}=propsconst

    removeFromBasket=()=>{

    }

    return (
        <div className="cartProduct">
            <img src={img} alt=""/>
            <div>
                <div>{description}</div>

                <strong>₹{price}</strong>
                <div>{Array(rating).fill().map((_,i)=>(
                    <span> ⭐ </span>))}
                </div>
                <button onClick={removeFromBasket}>Remove from Cart</button>
            </div>
        </div>
    )
}
```

CheckOut.js

```
import React from 'react'

function CheckOut() {
      return (
            <div>
                  <h1>CheckOut page</h1>
            </div>
      )
}

export default CheckOut
```

Header.css

```
.header { display:
   flex;
   align-items: center;height:
   60px;
   background-color: #131a22;
   position: sticky;
   top: 0px; /*learn Remember*/
   z-index: 100; /*learn Remember*/
   width: 100%;
}

/* logo */
.header_logo {
   object-fit: contain;
   width: 100px;
   margin: 0 20px;
   margin-top: 11px;
}
```

```
   /* search_bar */
.header_search { flex:1; /*learn */display:flex;
   align-items: center;
   }

.header_input  {width: 100%;
   border-radius: 3px 0px 0px 3px; padding: 10px;
   height: 14px;border: none;outline: none;
   }

.header_input[type="text"]  {font-size: 18px;
   }

   .header_icon {
   background-color: #febd69;
   padding: 5px; /*learn Remember //to increase the outer area of icon*/border-radius: 0px 3px
   3px 0px;
   }

   /* navigation */
.header_nav { display: flex;
   justify-content: space-evenly;align-items: center;

   text-decoration: none;
   }

.header_options {display: flex;
   flex-direction: column;margin-left: 10px; margin-right: 10px; color: white;
   }

.

   }

.header_lineOne {font-size: 10px;cursor: pointer;
   }

.header_lineTwo  {font-weight: 700;font-size: 14px; cursor: pointer;
   }

.header_optionCart {color: white; display: flex;
   align-items: center;margin-right: 5px;cursor: pointer;
   }
```

```
.header_optionCart:hover {outline: 1px solid white;outline-offset: 5px;
    }

    /* link text decoration */

.header_linkToLogin {text-decoration: none;
    }

.header_linkToCart { text-decoration: none;
    }

    /* sign in dropdown menu */

.header_signIn { position: relative;display: flex;
    flex-direction: column;
    }



    /* for the smaller triangle near sign in*/
.header_arrowup { display: none; position: absolute;top: 30px;
    height: 0px;width: 0px;
    border-bottom: 8px solid white; border-right: 8px solid transparent;border-left: 8px solid
    transparent;
    }
.header_signIn:hover .header_arrowup{display: block;
    }

.header_SignInMenu {display: none; position: absolute; top: 36px;
    background-color: #ffffff;width: 200px;
    height: 80px;
    }

.header_signIn:hover .header_SignInMenu {display:block;
    }

.header_signInmenuBtn { width: 100px; padding:5px;
    border-radius: 2px; background-color: #febd69;border: 1px solid #846a29;cursor: pointer;
    color: #111; font- size: 14px; outline: none; margin: 10px 0px;margin-left: 45p;
    .header_signInmenuBtn
    :hover {background-color: #eb9525;
    }

    .header_signInmenuBtn
    :focus {background-color: #eb9525;
```

```
}

.header_SignInMenuText {font- weight: 400; color: rgb(99, 95, 95);font- size: 12px;
  margin-left: 25px;
  }

.header_SignInMenu_signup {color: #0066c0;
  cursor: pointer;font- size: 12px;
  }

  .header_SignInMenu_signup:hover {

  color: red;
  text-decoration: underline;
  }

.header_SignInMenu_signupLink {text-decoration: none;
  }
```

Header.js

```
import React from 'react'import './Header.css'
import navykartLogo from './Assets/navykart-logo.jpg'importSearchIcon from '@material-ui/icons/Search';
import ShoppingBasketIcon from '@material-ui/icons/ShoppingBasket';import {Link} from 'react-router-dom'import fire from '../config'
import { useStateValue } from './StateProvider';function Header({user}) {

const [{basket},dispatch]=useStateValue();

const handleLogout=()=>{ if(user)fire.auth().signOut();
}

return (
<div className="header">
<Linkto="/">
<img className="header_logo" src={navykartLogo} alt="Logo" />
</Link>

<div className="header_search">
<input className="header_input" type="text" />
<SearchIcon className="header_icon" />
</div>
<div className="header_nav">
<div className="header_signIn">
{/* Conditional operator */}

<div className="header_signIn">
<Link to={!user && '/login'}className="header_linkToLogin">
<div className="header_options"
onClick={handleLogout} >
<span className="header_lineOne">{user ?
```

```
                                        <span className="header_lineTwo">{user ?
fire.auth().currentUser?.displayName : 'Sign In'}</span>
</div>
</Link>
                                {/*the '?' in "auth().currentUser.displayname" is becauseinitially
it willshow error that "display name can not be empty"
                                        while it have data but it takes times to fetch it so'?' makes it
async fuction which means wait for some time till it fetch the data.  }
</Link>
*/}
{user ?
<div className="header_SignInMenu">
                                        <button className="header_signInmenuBtn"
onClick={handleLogout}>Logout</button>
</div> :
<div className="header_SignInMenu">
<Link to="/login">
<button  className="header_signInmenuBtn">Sign
in
</                                      </Link>
bu                                      <div  className="header_SignInMenuText">New
tto
n>                                      <Linkto="/signup"


Cu
sto
me
r?
className="header_SignInMenu_signupLink">
                                                <span
className="header_SignInMenu_signup"> Start here.</span>
</Link>
</div>
</div>}
</div>


                <div  className="header_arrowup"></div>   {/* forlittletriangle near the
signin button*/}
</div>

<div className="header_options">
<span  className="header_lineOne">Returns</span>
<span  className="header_lineTwo">& Orders</span>
</div>
```

```
<div className="header_options">
<span  className="header_lineOne">Your</span>
<span  className="header_lineTwo">Prime</span>

<div className="home_product">
                    <Product id={3} Description="POLESTAR XPLORE 55 ltrs with Rain
Cover Rucksack Hiking Backpack" price={4999} rating={4} image={Bag}/>
                    <Product id={4} Description="boAt Airpodes 121v2 TWS Earbuds
                    withBluetoothV5.0, Immersive Audio, Up to 14H Total Playback, Instant
                    Voice Assistant,(Active Black)" price={1999} rating={3}
image={Earbud}/>
```

```
                    <div className="header_optionCart">
                        <ShoppingBasketIcon className="header_cartLogo" />
                        <span className="header_lineTwo
 header_cartCount">{basket?.length}</span>

                    </div>
                    </Link>
                </div>
            </div>
        )
}

export default Header
```

Home.css

```
import Keyboard from './Assets/Keyboard.jpg'import Product from './Product'

import Samsung from './product/Samsung.jpg'import Bag from './product/Bag.jpg'
import Laptop from './product/Laptop.jpg'import Earbud from './product/Earbud.jpg' import
AC from './product/AC.jpg'
import Display from './product/Display.jpg' function Home() {

return (
<div className="home">

<img className="home_banner" src={Keyboard} alt="Banner"/>

<div className="home_product">
                    <Product id={1} Description="LG 22 inch (55cm) IPS Monitor - FullHD,
IPS Panel with VGA, HDMI, DVI, Audio Out Ports - 22MP68VQ" price={24999}
rating={4} image={Display} />
                    <Product id={2} Description=" Lenovo IdeaPad Flex 5i 10th GenIntel
Core i3 14 inch Full HD IPS 2-in-1 Convertible Laptop (4GB/256GB SSD/Windows
10/MS Office 2019/Graphite Grey/1.5Kg), 81X100NCIN " price={59999}rating={5}
image={Laptop}/>
                </div>

                <div className="home_product">
                    <Product id={3} Description="POLESTAR XPLORE 55 ltrs with Rain
Cover Rucksack Hiking Backpack" price={4999} rating={4} image={Bag}/>
                    <Product id={4} Description="boAt Airpodes 121v2 TWS Earbuds
                    withBluetoothV5.0, Immersive Audio, Up to 14H Total Playback, Instant
                    Voice Assistant,(Active Black)" price={1999} rating={3}
image={Earbud}/>
                    <Product id={5} Description="Samsung Galaxy M31s (Space Black,
8GB RAM, 128GB Storage) " price={21999} rating={4} image={Samsung}/>
                </div>

                <div className="home_product">
                      <Product id={6} Description="Blue Star 1.5 Ton 3 Star Split AC
(Copper, 2018 Model, FS318AATX, White)" price={34999} rating={3} image={AC}/>
                </div>
```

```
        </div>
    )
 }

 export default Home
```

```
    rgba(0, 0, 0, 1),
    rgba(0, 0, 0, 1),
    rgba(0, 0, 0, 0)
```

```
  );
  z-index: -1;
  margin-bottom: -150px;
}

.home_product  {
  display: flex;
  z-index: 1;
  justify-content: center;
  margin-left: 5px;
  margin-right: 5px;
  margin-bottom: 20px;
}

@media only screen and (max-width: 550px) {
  .home_product {
    flex-direction: column;
  }
}
import React from 'react'
import './Home.css'
```

Login.css

```
.login_form{ margin-top: 50px;
  }
  .login_img {
  object-fit:  contain;width:170px;
  margin-top: -30px; margin-bottom: -30px;
  }

.login { display:flex;
  flex-direction: column;align-items: center;
  }

.login_form { display:flex;
  flex-direction: column;width:300px;
  height: fit-content; border: 1pxsolid lightgray;padding: 0px 20px; background-color: white;
  }

.login_form > h2 { font-weight: 500; font-size: 27px; margin-bottom: 7px;
  }

.login_formOption { font-weight: 600; font-size: 13px; margin-top: 7px; margin-bottom: 5px;
  }

.login_formText {
```

```
border-radius: 2px; border: 1px solid gray;margin-bottom: 5px; border-radius: 2px; outline:
    none;
    }

.login_formText:focus { border:1px solid #febd69;outline: 2px solid #febd69;
    }

.login_formText[type="text"] {font-weight: lighter;
    font-size: 13px;
    }

.login_login { margin-top: 15px; padding:
    7px; border-radius:
    2px;
    background-color: #febd69; border: 1px solid #846a29;cursor: pointer;
    color: #111; font-size: 15px; outline: none; text-align: center;
    }

    .login_login:hover,
.login_login:focus { outline:2px solid #febd69; background-color: #eeb160;
    }

.login_form > p { font-size: 12px; font-weight: 400; margin: 25px 0px;
    margin-bottom: 40px;
    }
```

```
color: #0066c0; cursor:pointer;
    }

.login_form_pSpan:hover { text-decoration: underline;
    }

.login_line { margin-top: 40px;
    border-bottom: 1px solid rgb(192, 188, 188);width: 350px;
    margin-bottom: -11px;
    }

.login_linePara { font-size: small; font-weight: 300;
    background-color: white;margin-bottom: 15px; color: rgb(99, 95,95);
    }

.login_register {width: 350px; padding: 7px; text-align: center;border-radius: 2px;
    border: 1px solid rgb(71, 69, 69);
    color: rgb(31, 29, 29);outline:none;
    margin-bottom: 30px;
    }

    .login_register:hover,
    .login_register:focus {
    background-color: rgb(224, 218, 218);
    outline: 2px solid rgb(211, 204, 204);
    }

    /* forget pasword */
    .login_forgot:hover {
```

```css
.login_forgot {
    text-decoration: none;
    color: #0066c0;
}

.forgot {
    margin-top: -4px;
    align-self: flex-end;
    font-weight: 400;

}
```

Login.js

```
import React ,{useState} from 'react'
import logo from './Assets/navykart-logo.jpg'import
'./Login.css'
import {Link , useHistory} from 'react-router-dom'
import fire from '../config'

function Login() {
```

```
    const [email,setEmail]=useState("")
    const  [password,setPassword]=useState("")const history = useHistory();

const handleLogin=(e)=>{e.preventDefault();
    fire.auth().signInWithEmailAndPassword(email,password)
.then((res)=>{ if(res.user.emailVerified){
    history.push("/")
    }else{
    fire.auth().currentUser.sendEmailVerification().catch(err=>
    aler
    t(er
    r))             alert("Email not verified, Check Your email to verify & Login")


    }
    })
    .catch((err)=> alert(err))
    }

                                        return (
                                    <div className="login">
                                        <Link to="/">
    <img className="login_img" src={logo} alt=""/>
    </Link>
    <div className="login_form" >
    <h2>Login</h2>
    <div className="login_formOption ">Email Address</div>
                    <input type="text" value={email} className="login_formText"
    onChange={(e)=> setEmail(e.target.value)} />

    <div  className="login_formOption">Password</div>
                    <input type="password" value={password}
    className="login_formText" onChange={(e)=> setPassword(e.target.value)} />

    <div className="login_formOption forgot">
    <Link to="/resetpassword" className="login_forgot">Forgot
    password?</Link>
    </div>

                    <button  className="login_login"
    onClick={handleLogin}>Login</button>

                    <p>By    continuing,    you    agree    to    Navykart's    <span
    className="login_form_pSpan">Conditions     of     Use</span>     and     <span
    className="login_form_pSpan">Privacy Notice.</span></p>
```

```
            <Link to="/signup">
            <button className="login_register">Create your Navykart
account</button>
            </Link>

        </div>
    )
}

export default Login
```

Product.css

```
.product {
  display:
  flex;
  flex-direction:
  column; justify-
  content: flex-end;
  align-items: center;
  background-color:
  white; z-index: 1;
  margin: 0px
  20px;
  padding:
  20px; width:
  100%;
  max-height:
  400px;min-
  width: 100px;
}

.product_descript
  ion  {  margin-
  bottom:    5px;
  overflow:
  hidden;
}

.product_image
  { max-height:
  200px;
  object-fit:
  contain;width:
  100%;
  margin-bottom:
  10px;margin-
  top: 5px;
```

```
  margin-top: 3px;
  padding: 5px;
}

@media only screen and (max-width: 550px) {
  .product {
    margin: 20px auto;
    margin-top:  20px;
    width: 80%;
  }
}
```

Product.js

```
import React from
'react'import
'./Product.css'
import { useStateValue } from './StateProvider';

function Product(props) {
    const {id,Description

    ,price,rating,image}=props ;const

    [{basket},dispatch]=useStateValue();

    const addToBasket=()=>{
        //dispatch the data item into data
        layerdispatch({
            type: 'ADD_TO_BASKET',
            item : {
                id:id,
                Description:Description
                ,price:price,
                rating:rating,
                image:image
            }
        })
    }

    return (
        <div className="product ">

            <div className="product_description">
                {Description}
            </div>

            <strong  className="product_price">
                ₹{price}
```

```
            <div  className="product_rating">
                {Array(rating).fill().map((_,i)=>(
                    <span>*</span>
                ))}
            </div>

            <img  className="product_image"  src={image} alt="product"/>

            <button onClick={addToBasket} >Add To Cart</button>
        </div>
    )
}

export default Product
```

Reducer.js

```
export const initialState ={
    basket : [],
}

const reducer = (state,action) => {
    switch(action.type){
        case 'ADD_TO_BASKET' :
            return {
                ...state,
                basket:[...state.basket,action.item],
            };
        case 'REMOVE_FROM_BASKET':
            return {

            }
        default :
            return state;
    }
};
export default reducer;
```

ResetPassword.css

```
.resetPassword_form{
  margin-top: 50px;
}
.resetPassword_img {
  object-fit: contain;
  width: 170px; margin-
  top: -35px;
  margin-bottom: -35px;

  .resetPassword_form
    > h2 {font-weight:
    500;
    font-size:
    27px; margin-
    bottom: 5px;
  }

  .resetPassword_p
    ara {font-
    size: 13px;
    font-weight:
    400; margin-
    top: 8px;
  }

  .resetPassword_formOpt
    ion {font-weight:
    600;
    font-size:
    13px; margin-
    top: 7px;
    margin-bottom:
    5px;
  }

  .resetPassword_formT
    ext {width: 95%;
    padding: 7px;
    border-radius:
    2px;
    border: 1px solid
    gray;margin-
    bottom: 5px;
    border-radius:
```

```
}

.resetPassword {
  display: flex;
  flex-direction: column;
  align-items: center;
}

.resetPassword_form {
  display: flex;
  flex-direction: column;
  width: 300px;
  height:  fit-content;
  border: 1px solid lightgray;
  padding: 0px 20px;
  background-color: white;
}

.resetPassword_form > h2 {
  font-weight: 500;
  font-size: 27px;
  margin-bottom: 5px;
}

.resetPassword_para {
  font-size: 13px;
  font-weight: 400;
  margin-top: 8px;
}

.resetPassword_formOption {
  font-weight: 600;
  font-size: 13px;
  margin-top: 7px;
  margin-bottom: 5px;
}

.resetPassword_formText {
  width: 95%;
  padding: 7px;
  border-radius: 2px;
  border: 1px solid gray;
  margin-bottom: 5px;
  border-radius: 2px;
  outline: none;
}

.resetPassword_formText:focus {
  border: 1px solid #febd69;
  outline: 2px solid #febd69;
```

```
}
.resetPassword_formText[type="email"] {
  font-weight: lighter;
  font-size: 13px;
}

.resetPassword_resetPassword {
  margin: 15px 0px;
  margin-bottom: 45px;
  padding: 7px;
  border-radius: 2px;
  background-color:  #febd69;
  border: 1px solid #846a29;
  cursor: pointer;
  color: #111;
  font-size: 15px;
  outline: none;
  text-align: center;
}

.resetPassword_resetPassword:hover,.resetPassword_resetPassword:focus {
  outline: 2px solid #febd69;
  background-color: #eeb160;
}
```

ResetPassword.js

```
import React ,{useState}from 'react'
import logo from './Assets/navykart-logo.jpg'
import './ResetPassword.css'
import {Link,useHistory} from 'react-router-dom'
import fire from '../config'

function ResetPassword() {

    const [email,setEmail]=useState('')
    const history =useHistory();

    const handleResetPassword=()=>{
        fire.auth().sendPasswordResetEmail(email).then
                    (()=>
                     alert("Check your email to reset password & Sign IN "),
                     history.push("/login")
                     )
                    .catch(err=> alert(err))
    }

    return (
        <div className="resetPassword">
            <Link to="/">
            <img className="resetPassword_img" src={logo} alt=""/>
```

```
            </Link>

            <div className="resetPassword_form" >
                <h2>Password assistance</h2>

                <p className="resetPassword_para">Enter the email address
associated with your Navykart account.</p>

                <div  className="resetPassword_formOption">Registered email</div>
                <input type="email" className="resetPassword_formText"
onChange={(e)=> setEmail(e.target.value)} />

                <button className="resetPassword_resetPassword"
onClick={handleResetPassword}>Continue</button>
            </div>

        </div>
    )
}

export default ResetPassword
```

signup.css

```css
.signup_form{
  margin-top: 50px;
}
.signup_img {
  object-fit: contain;
  width: 170px;
  margin-top: -35px;
  margin-bottom: -35px;
}

.signup {
  display: flex;
  flex-direction: column;
  align-items: center;
  background-color: white;
}

.signup_form {
  display: flex;
  flex-direction: column;
  width: 300px;
  height:  fit-content;
  border: 1px solid lightgray;
  padding: 0px 20px;
  margin-bottom: 30px;
}
```

```css
.signup_form > h2 {
  font-weight: 500;
  font-size: 27px;
  margin-bottom: 5px;
}

.signup_formOption {
  font-weight: 600;
  font-size: 13px;
  margin-top: 7px;
  margin-bottom: 5px;
}

.signup_formText {
  width: 95%;
  padding: 7px;
  border-radius: 2px;
  border: 1px solid gray;
  margin-bottom: 5px;
  border-radius: 2px;
  outline: none;
}

.signup_formText:focus {
  border: 1px solid #febd69;
  outline: 2px solid #febd69;
}

.signup_formText[type="text"] {
  font-weight: lighter;
  font-size: 13px;
}

.signup_signup {
  margin-top: 2px;
  padding: 7px;
  border-radius: 2px;
  background-color:  #febd69;
  border: 1px solid #846a29;
  cursor: pointer;
  color: #111;
  font-size: 15px;
  outline: none;
  text-align:  center;
}

.signup_signup:hover,
.signup_signup:focus {
  outline: 2px solid #febd69;
```

```css
.signup_para {
  margin: 20px 0px;
}

.signup_para > p {
  font-size:  12px;
  font-weight:  400;
  margin: 0px;
}

.signup_borderline {
  border: 1px solid rgb(202, 196, 196);
  width: 300px;
  margin-top: 25px;
}

.signup_login_line {
  margin-top: 20px;
  font-size: 13px;
  font-weight: 400;
  margin-bottom: 15px;
}

.signup_login {
  color: #0066c0;
  cursor: pointer;
}

.signup_login:hover {
  color: red;
  text-decoration: underline;
}

.signup_linkToLogin {
  text-decoration: none;
}
```

SignUp.js

```
import React ,{useState} from 'react'
import logo from './Assets/navykart-logo.jpg'
import './signup.css'
import {Link, useHistory} from 'react-router-dom'
import fire from '../config'

function SignUp() {

    const [name,setName]=useState('')
```

```
    const [email,setEmail]=useState('')
    const [password,setPassword]=useState('')
    const [confirmPassword,setConfirmPassword]=useState('')

    const history = useHistory();

    const handleSignUp=(e)=>{
        e.preventDefault();
        if(name!==''){
            if(password===confirmPassword){
                fire.auth().createUserWithEmailAndPassword(  email,password)
                    .then(() => {
                        const userData = fire.auth().currentUser;
                        userData.updateProfile({ displayName: name })     /*the
name we type in input tag can be passed to firebase user data*/
                        userData.sendEmailVerification().catch(err=>alert(err))
                        alert("Check Your email")
                        history.push("/login")
                    })
                    .catch((err)=> alert(err))
            }else{ alert("Password doesn't match")}
        }else{ alert("Please enter Name")}
    }

    return (
        <div className="signup">

            <Link to="/">
            <img className="signup_img" src={logo} alt=""/>
            </Link>

            <div className="signup_form" >
                <h2>Create Account</h2>

                <div  className="signup_formOption">Your Name</div>
                <input type="text" value={name} className="signup_formText"
onChange={(e)=> setName(e.target.value)} required/>

                <div  className="signup_formOption">Email</div>
                <input type="email" value={email} className="signup_formText"
onChange={(e)=> setEmail(e.target.value)} />

                <div  className="signup_formOption">Password</div>
                <input type="password" value={password} placeholder="At least 6
characters" className="signup_formText" onChange={(e)=>
setPassword(e.target.value)} />

                <div  className="signup_formOption">Confirm Password</div>
                <input type="password" value={confirmPassword} placeholder="must
be same as password" className="signup_formText" onChange={(e)=>
```

```
                <div  className="signup_para">
                    <p>We will send you a text to verify your phone.</p>
                    <p>Message and Data rates may apply.</p>
                </div>

                <button  className="signup_signup"
onClick={handleSignUp}>Continue</button>

                <div  className="signup_borderline"></div>

                <div className="signup_login_line">Already have an account?
                     <Link  to="/login"  className="signup_linkToLogin">
                         <span  className="signup_login">Sign  in</span>
                     </Link>
                </div>

            </div>

        </div>
    )
}

export default SignUp
```

StateProvide.js

```
import React,{createContext,useReducer,useContext} from 'react'

export const StateContext = createContext();    //prepares the dataLayer

//wrap our app and provide the data layer
export const StateProvider = ({ reducer, initialState,children})=> {
    return (
        <StateContext.Provider  value={useReducer(reducer,initialState)}>
            {children}
        </StateContext.Provider>
    )
}

//pull information from data layer
export const  useStateValue=()=> useContext(StateContext);
```

SubTotal.css

```
.subtotal {
  display: flex;
  flex-direction:  column;
```

```
  justify-content:  space-between;
  width: 300px;
  height: 100px;
  padding: 20px;
  background-color:  #f3f3f3;
  border: 1px solid #dddddd;
  border-radius: 3px;
  margin-left: 20px;
}

.subtotal > small {
  display: flex;
  align-items: center;
}
.subtotal > button {
  background-color:  #febd69;
  border: 1px solid #846a29;
  outline: none;
  color: #111;
  border-radius: 2px;
  padding: 5px;
  width: 100%;
  cursor: pointer;
  margin-top: 10px;
}
.subtotal > button:hover,
.subtotal > button:focus {
  outline: 2px solid #febd69;
  background-color: #eeb160;
}

@media only screen and (max-width: 550px) {
  .subtotal {
    width: 100px;
    height: 200px;
  }
}
```

SubTotal.js

```
import React from 'react'
import "./Subtotal.css";
import Currencyformat from 'react-currency-format'
import { useStateValue } from './StateProvider';
import {useHistory} from 'react-router-dom'

function Subtotal() {

    const [{basket}]=useStateValue();
```

```
    const history=useHistory();

    const getBasketTotal=(basket)=>{
        let sum=0;
        basket.map(item=>{
            sum=sum+item.price;
            })
        return sum;
    }

    return (
        <div className="subtotal">
            <Currencyformat
                renderText={(value)=>(
                    <>
                        <p>Subtotal ({basket?.length}
items):<strong>{value}</strong></p>
                        <small>
                            <input type="checkbox" />
                            This order contains a gift
                        </small>
                        <button onClick={(e)=> history.push("/checkout")}>Proceed
to Checkout</button>
                    </>
                )}
                decimalScale={2}
                value={getBasketTotal(basket)}
                displayType={"text"}
                thousandSeparator={true}
                prefix={"₹"}
                suffix={"/-"}
            />
        </div>
    )
}

export default Subtotal
```

```
.App {
  min-width: 550px;
}
```

App.js

```
import React ,{useState,useEffect} from 'react'
import "./App.css";
import Header from './components/Header'
import Home from './components/Home'
import Login from './components/Login'
import {BrowserRouter as Router, Route ,Switch} from "react-router-dom"
import SignUp from './components/SignUp'
import Cart from './components/Cart'
import fire from './config'
import ResetPassword from './components/ResetPassword'
import CheckOut from './components/CheckOut'

function App() {
const [user,setUser]=useState(null)

useEffect(() => {
  fire.auth().onAuthStateChanged(user=>{
    if(user){
      if(user?.emailVerified){
        setUser(user)
      }else{
        setUser(null)
      }
    }else{
      setUser(null)
    }
  })
}, [])

  return (

      <Router>
        <div className="App">
        <Switch >

          <Route path="/cart">
            <Header user={user}/>
            <Cart/>
          </Route>

          <Route path="/login">
            <Login />
          </Route>

          <Route path="/signup">
            <SignUp  />
          </Route>

          <Route path="/resetpassword">
            <ResetPassword/>
```

```
          <Route path="/checkout">
            <Header user={user}/>
            <CheckOut/>
          </Route>

          <Route path="/">
            <Header user={user}/>            {/* for sending the data to header
page*/}
            <Home />
          </Route>

        </Switch>

      </div>
      </Router>
  );
}

export default App;
```

Config.js

```
import firebase from 'firebase/app'
import 'firebase/auth'

const firebaseConfig = {
  apiKey: "AIzaSyDy_jAyI6LOiFBqCa11EOnhlJ0K_pc6TTk",
  authDomain: "navykart.firebaseapp.com",
  projectId: "navykart",
  storageBucket: "navykart.appspot.com",
  messagingSenderId: "698305334130",
  appId: "1:698305334130:web:bde026ef6457c994d72beb"
};

const fire = firebase.initializeApp(firebaseConfig);

export default fire;
```

Index.css

```
body {
  margin: 0;
  font-family: -apple-system, BlinkMacSystemFont, "Segoe UI", "Roboto", "Oxygen",
    "Ubuntu", "Cantarell", "Fira Sans", "Droid Sans", "Helvetica Neue",
    sans-serif;
  -webkit-font-smoothing: antialiased;
  -moz-osx-font-smoothing: grayscale;
```

```
}

code {
  font-family: source-code-pro, Menlo, Monaco, Consolas, "Courier New",
    monospace;
}
```

Index.js

```
import React from 'react';
import ReactDOM from 'react-dom';
import './index.css';
import App from './App';
//added for context api
import { StateProvider } from './components/StateProvider';
import reducer ,{initialState} from './components/Reducer'

ReactDOM.render(
  <React.StrictMode>
    <StateProvider initialState={initialState} reducer={reducer}>
      <App />
    </StateProvider>
  </React.StrictMode>,
  document.getElementById('root')
);
```

CHAPTER 6

Test Cases

6.1 TEST CASES FOR HOME PAGE:

- Verify that home page is displayed after login or not.
- Verify that User name is displayed on homepage or not.
- Verify that featured products are present on home page or not.
- Verify that Search functionality is present on home page or not.
- Verify the home page of application on different browsers.
- Verify the alignment on the home page.
- Verify that products displayed on home page are clickable or not.
- Verify that Products displayed on home page are categorised or not.

6.2 TEST CASES FOR PRODUCT SEARCH FUNCTIONALITY:

- Verify that the search field accepts alphabets numbers or symbols.
- Verify that after entering search text and clicking on search icon, the search should work.
- Verify that the search results should be as per the search query.
- Verify that user should be able to search based on product name, brand name or productspecification.

- Verify that filter should be present for filtering the search results bases on Brand, Price,reviewsor ratings

.

6.3 TEST CASES FOR PRODUCT DETAILS PAGE:

- Verify that the images of product are displayed correctly or not.
- Verify that the price of product is displayed or not.
- Verify that product reviews are mentioned or not.

6.3 TEST CASES FOR CART PAGE:

- Verify that when user clicks on Add to Cart, then the product should be moved to cart.
- Verify that user is able to continue shopping after adding items to cart.
- Verify that the quantity of item should be incremented if user adds same item in cartagain.
- Verify that the items in cart should be present if user logs out and logs in again.

Chapter 7

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