COURSE PROJECT REPORT

AY: 2021-22 semester I

Subject: Web Technology

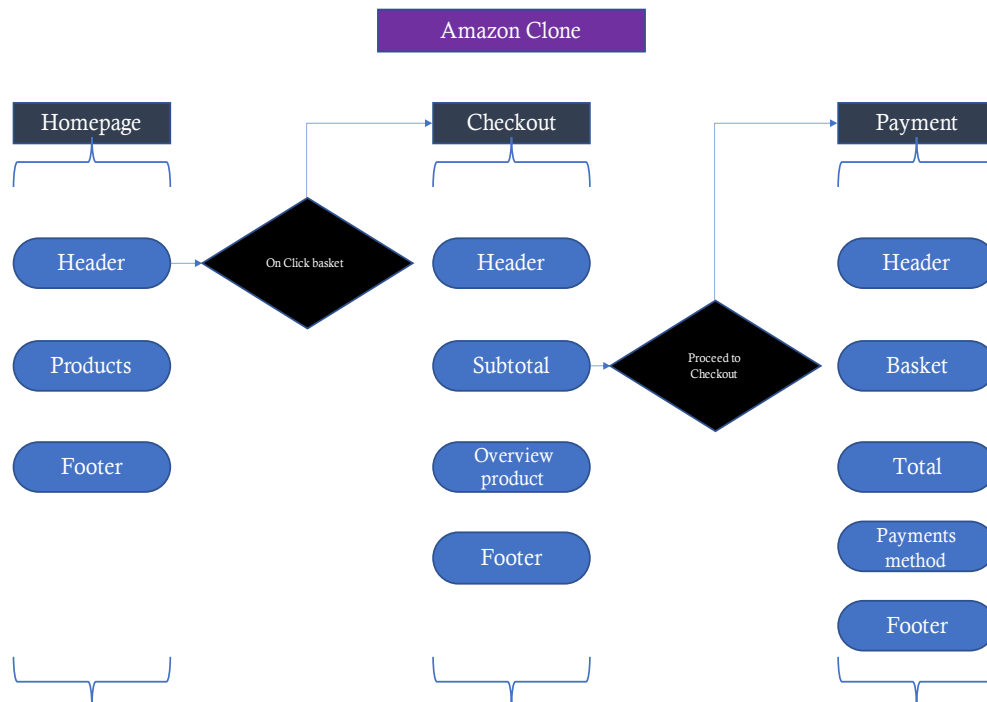**Subject code:** ET3273

Prepared by:

Division	Roll no:	GR No:	Name :
C	52	11910241	Amitesh Patil
C	54	11910706	Pranit Patil
C	56	11911215	Kshitij Patil
C	77	11910860	Vivek Pundkar

Project Title: Amazon Clone

Proposed system:

- Block diagram

- Description:

It's a great idea to start your own ecommerce platform. But it required a lot of manpower, enough time as well as capital to develop it from scratch. Amazon is a vast Internet-based enterprise that sells books, music, movies, housewares, electronics, toys, and many other goods. Amazon is the self-styled "Greatest Store on Earth". It's been said that Amazon aim is to sell everything to everyone as buyers differ in their need, wants, their buying behavior and attitude. Amazon take care of all these by providing over 80 million products, which are categorized into 35 departments. OVER; 6 million Clothing department, 20 million Sports & outdoors, 4 million office products, 20 million Electronic, 25 million books services.

We aim - to make an amazon clone which is similar to the original amazon web, we will focus more on the look and feel as it is clone application, i.e., it should be more similar to https://www.amazon.in/. In here we also aimed to create virtual card transactions and purchase listed items. Our clone will allow users to register, login, add products to the shopping cart, remove product from the shopping cart. Our clone will permit only an authenticated user to access the home page.

We will also be using Firebase for Authentication, Database, Functions and Hosting. Firebase is a great tool to get started with projects quickly. We will also be using HTML, CSS and React Context API. Please keep in mind, you need to have Visual Studio Code and NodeJS installed.

1. Setting up the React Router

   A very important thing to consider in a React app is the navigation (moving from one page to another) of the users. Since React is a single page application, it doesn't support multiple routes by default. But the node packages come to our save. There's a package named react-router-dom which allows us to create routes for our React project. Not a lot complicated. Setting up is one time, and then whenever you add a new page, you just need to inform the Router.

   - Our motive is to have Home component to be rendered on the default route that is "/".
   - To use the Home component, we need to import it, so we imported it at the top.
   - We need to wrap the entire app into the Router component, so that every component is a part of Router and has access to the Router.
   - The switch specifies that the components beneath it are to be rendered only under certain routes. So if a route is meant for "/", you cannot see the information on "/hello" route.
   - The Route component is used under the Switch component. The Route component specifies the rules of the Routes and components to render at specific route. For example in this case we have the Home component render at "/" route. We will be adding more routes to this.

2. The Navbar

   This component has functionalities like- on clicking amazon user will be redirected to Homepage, the login features and basket.

   We are going to use a package for icons, and we need Material Icons to use them. So open your terminal and write the following command. `npm install @material-ui/core @material-ui/icons`

   Once you installed the dependencies, you can use it to display SVG icons which are provided by Material UI. Material UI is a very popular UI library for React which has a lot of prebuilt components just as icons which makes life easier. Now let's make a new component called Header.js and let's make a new file and call it Header.css just as we did with the home component.
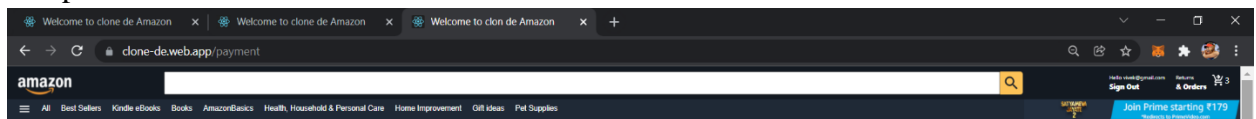
3. Creating the Amazon Homepage

   We already made the Home component which is rendered by default because we configured it to be rendered it on default route "/" in the React Router. Now let's go and do something creative in the Home component. We will start with the image which Amazon shows at the top of its landing page.

   - We are passing some props through the component, which can be used by the components to render. These props are — Product ID, Title, Price, Image, Ratings.

- These props are usually variables and objects that are passed by parent components. We can render props on the screen in this case because all of the props here are viewable. So, we render the data on the screen by enclosing the variables with { } at appropriate places.
- To render the ratings, we use a bit different way here. We create an array of length of the ratings passed and loop through them and render out the star emoji the number of times the ratings passed through the props.
- The reducer is a place where you declare all the application level states which can be used later by the application.
- In initialState, we declare the states we are going to use. In this case, basket and user. We would cover them in future sections.
- The actual reducer function takes in a state and action. The state and action is provided so that the reducer can perform operations on the state.
- We export the reducer.
- The reducer is a place where you declare all the application level states which can be used later by the application.
- In initialState, we declare the states we are going to use. In this case, basket and user. We would cover them in future sections.
- The actual reducer function takes in a state and action. The state and action is provided so that the reducer can perform operations on the state.
- We export the reducer.

Amazon Fashion
Winterfest
UP TO 60% OFF
on your winter wardrobe

HP Pavilion Gaming 15.6-inch(39.62 cms) FHD Gaming Laptop (Ryzen 5-3550H/8GB/1TB HDD/M.2 Slot/Windows 10/NVIDIA GTX 1650 4GB/Shadow Black/2.25 kg), 15-ec0100AX

₹79,999
★★★★

Collective Identities and Post-War Violence in Europe, 1944–48: Reshaping the Nation (World Histories of Crime, Culture and Violence) Hardcover – Import, 28 November 2021

₹300
★★★
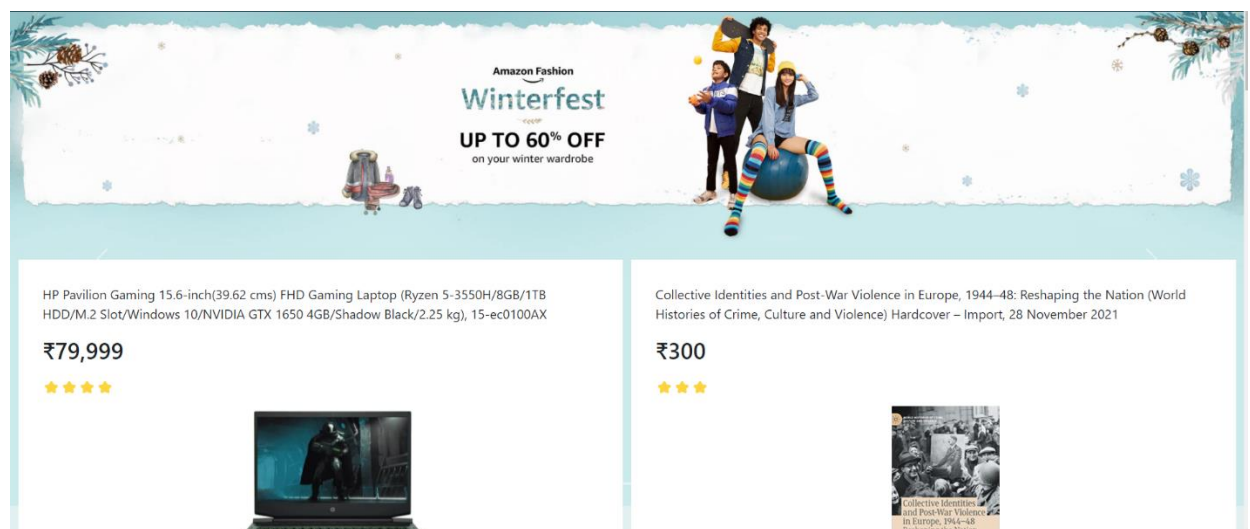
4. Adding the Basket functionality
So basically, we need to import the state whenever we feel the need and we can dispatch events. We will go in depth about that in this section. To start with things, let's add the Add to Basket functionality to our Product.js. First of all, we import the state and dispatch using

useStateValue() hook and then it's all easy to work with stuff, so we imported it. Add this to the top of Product.js

5. Setting up Firebase

To set up firebase we first need to add a project in firebase https://firebase.google.com. After this we need to add API keys in firebase.js file inside our source folder.
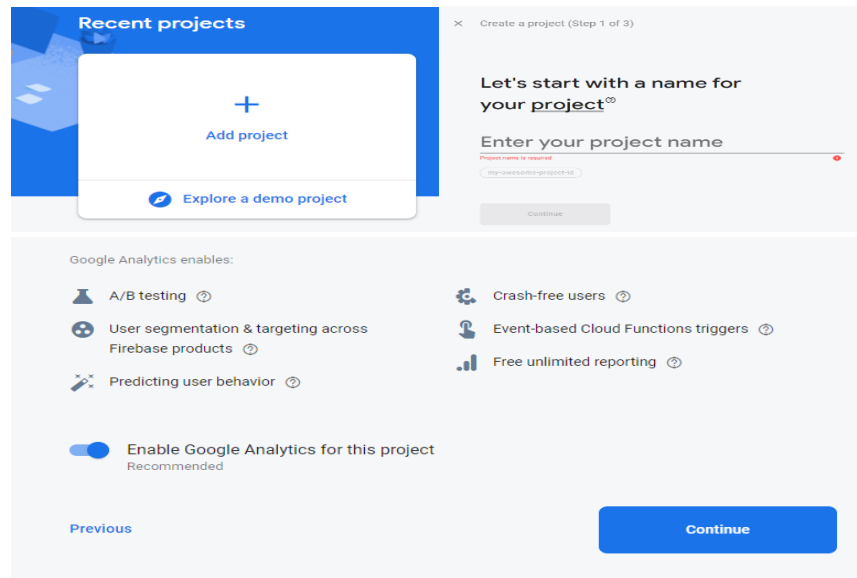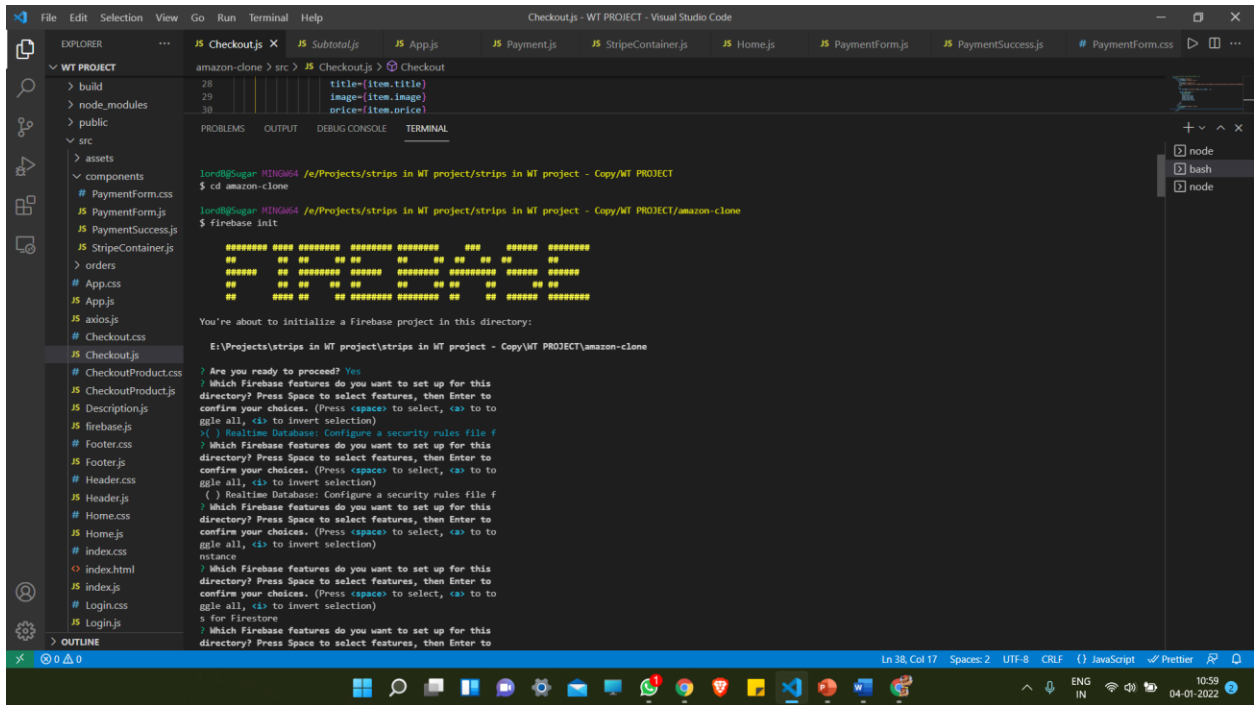

6. Setting up Authentication

For authentication we used firebase auth. First we enabled the email authentication and all the authentication will be done on basis of email provided by user. If one doesnt have a account he can create account on same page. This authentication parameter is useful before payment and checkout product functionalities.

7. Basket

Initially basket count is 0 and after adding product to cart the count will be incremented and after clicking on it we will be redirected to checkout page inside which the product overview will be visible along with product subtotal and payment options.

8. Deploy
To deploy we first initialize firebase inside our project folder by running firebase init and used the already created project in firebase and used it to deploy our react app. This are following step to intilize our firebase. Then the next step is run the deployed version of our react project. Using npm run deploy command

Software implementation:

- Flowchart

Amazon Clone

Homepage	Checkout	Payment
Header	Header	Header
Products	Subtotal	Basket
Footer	Overview product	Total
	Footer	Payments method
		Footer

On Click basket

Proceed to Checkout
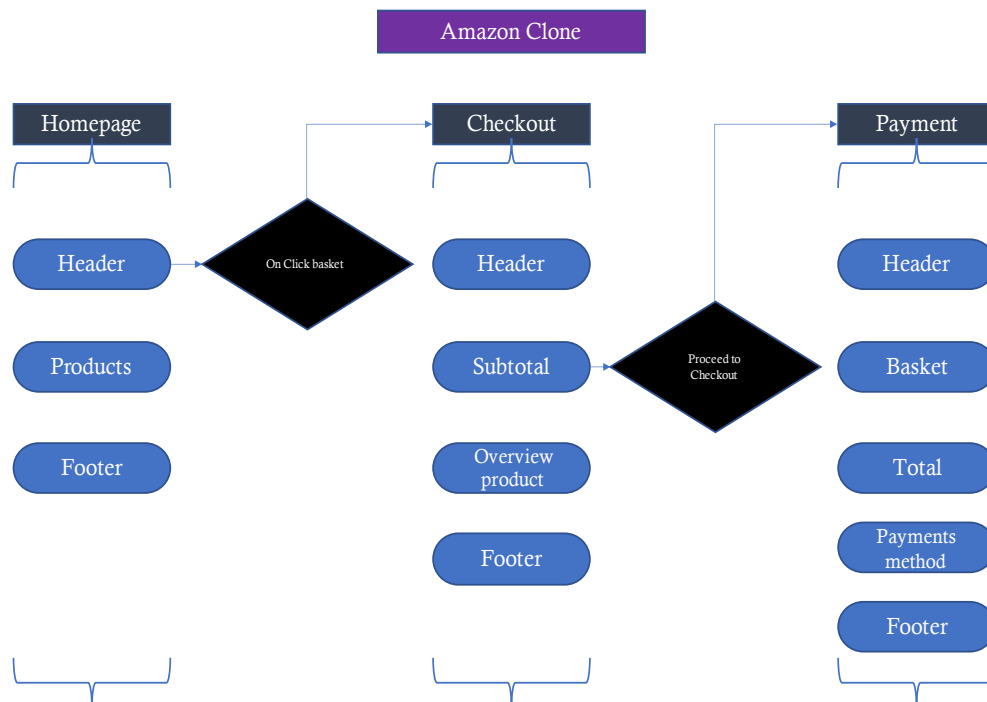
- App routes

```
<Router>
    <div className='apple'>
      <Switch>
```

```
        <Route path='/login'>
          <Login />
        </Route>

        <Route path='/checkout'>
          <Header />
          <Checkout />
          <Footer />
        </Route>

        <Route path='/payment'>
          <Header />
          <Elements stripe={promise}>
            <Payment />
          </Elements>
          <Footer />
        </Route>

        <Route path='/paymentViaStripe'>
          <StripeContainer />
        </Route>

        <Route path='/paymentSuccess'>
          <PaymentSuccess />
        </Route>

        <Route path='/description'>
          <Description />
        </Route>

        <Route path='/footer'>
          <Footer />
        </Route>

        <Route path='/'>
          <Header />
          <Home />
          <Footer />
        </Route>
      </Switch>
    </div>
  </Router>
```

Code of some components

❖ **Home**

```
❖  import React from 'react'
❖  import './Home.css'
❖  import Product from './Product'
❖  import 'bootstrap/dist/css/bootstrap.css'
❖  import Carousel from 'react-bootstrap/Carousel'
❖  import { width } from '@mui/system'
```

```jsx
function Home() {
  return (
    <div className='home'>
      <div className='home__container'>
        {/* <img className="home__image" src="https://m.media-
amazon.com/images/I/61FuWeCuGCL._SX3000_.jpg" alt="" /> */}
        <div className='fiximage' style={{ display: 'block', height: 300 }}>
          <Carousel>
            <Carousel.Item interval={2000}>
              <a
href='https://www.amazon.in/dp/B089MS7D9K/?pf_rd_r=ERD6HS4Q20V72Y44T990&pf_rd_p=796dd64
1-45ac-48db-b841-f55117618768&pd_rd_r=786c38bb-da73-4c68-8561-
bf73727d2474&pd_rd_w=iY6an&pd_rd_wg=AiOjK&ref_=pd_gw_unk'>
                <img
                  className='d-block w-100'
                  src='https://m.media-amazon.com/images/I/51M4eJebKJL._SX3000_.jpg'
                  alt='nord'
                />
              </a>
            </Carousel.Item>

            <Carousel.Item interval={2000}>
              <a
href='https://www.amazon.in/b/?_encoding=UTF8&node=27060357031&pf_rd_r=8FS9TSFBVKQASSFX
57E7&pf_rd_p=5ec08f28-110e-4d3c-8743-8c70f0b7dccb&pd_rd_r=c52cc694-3fc6-48bb-86e5-
7ab7c5eccff5&pd_rd_w=gsDMW&pd_rd_wg=YmaBn&ref_=pd_gw_unk'>
                {' '}
                <img
                  className='d-block w-100'
                  src='https://m.media-amazon.com/images/I/61qhAkFQjDL._SX3000_.jpg'
                  alt='winter'
                />
              </a>
            </Carousel.Item>
            <Carousel.Item interval={2000}>
              <img
                className='d-block w-100'
                src='https://m.media-amazon.com/images/I/71dirVX4WnL._SX3000_.jpg'
                alt='prime'
              />
            </Carousel.Item>
            <Carousel.Item interval={2000}>
              <img
                className='d-block w-100'
                src='https://m.media-amazon.com/images/I/61TY9UUdt7L._SX3000_.jpg'
                alt='cookware'
              />
            </Carousel.Item>

            <Carousel.Item interval={2000}>
              <img
                className='d-block w-100'
                src='https://m.media-amazon.com/images/I/61FzPgCT6nL._SX3000_.jpg'
                alt='note 10 S'
```

```jsx
                />
            </Carousel.Item>
        </Carousel>
    </div>

    <div className='home__row'>
        <Product
            id='123'
            title='HP Pavilion Gaming 15.6-inch(39.62 cms) FHD Gaming Laptop (Ryzen 5-
3550H/8GB/1TB HDD/M.2 Slot/Windows 10/NVIDIA GTX 1650 4GB/Shadow Black/2.25 kg), 15-
ec0100AX '
            price={79999}
            image='https://id-
media.apjonlinecdn.com/catalog/product/cache/b3b166914d87ce343d4dc5ec5117b502/c/0/c0644
0894_4.png'
            rating={4}
        />

        <Product
            id='224'
            title='Bharat Ka Sanvidhan HINDI + The Constitution of India ENGLISH (105th
Amendment Combo Pack Of 2 Books ) Product Bundle – 1 January 2021'
            price={1000}
            image='https://images-na.ssl-images-
amazon.com/images/I/51HArMsirdL._SY385_BO1,204,203,200_.jpg'
            rating={5}
        />

        <Product
            id='133'
            title='Collective Identities and Post-War Violence in Europe, 1944-48:
Reshaping the Nation (World Histories of Crime, Culture and Violence) Hardcover –
Import, 28 November 2021'
            price={300}
            image='https://images-na.ssl-images-
amazon.com/images/I/41kktGQcvuL._SX329_BO1,204,203,200_.jpg'
            rating={3}
        />
    </div>

    <div className='home__row'>
        <Product
            id='163'
            title='Real Madrid Mens Home Authentic Long Sleeve Shirt 21/22 White'
            price={5555}
            image='https://cdn.shopify.com/s/files/1/0408/3397/4432/products/GR3995-
RMCFMZ0042-01_240x.jpg?v=1621620215'
            rating={5}
        />

        <Product
            id='143'
            title='Mi 80 cm (32 inches) HD Ready Android Smart LED TV 4A PRO|L32M5-AL
(Black)'
```

```
                price={13999}
                image='https://images-na.ssl-images-
    amazon.com/images/I/71Z%2Bl05eSIS._SL1188_.jpg'
                rating={3}
            />
            <Product
                id='153'
                title='Echo Dot (3rd Gen) - #1 smart speaker brand in India with Alexa
    (Black)'
                price={2000}
                image='https://images-na.ssl-images-
    amazon.com/images/I/61WUqJd4dfS._SL1000_.jpg'
                rating={4}
            />
            <Product
                id='163'
                title='Real Madrid Mens Home Authentic Long Sleeve Shirt 21/22 White'
                price={5555}
                image='https://cdn.shopify.com/s/files/1/0408/3397/4432/products/GR3995-
    RMCFMZ0042-01_240x.jpg?v=1621620215'
                rating={5}
            />
        </div>

        <div className='home__row'>
            <Product
                id='173'
                title='LG 195 cms (77 inches) 4K Ultra HD Smart OLED TV OLED77C9PTA | With
    Built-in Alexa (Dark Meteo Titanium) (2019 Model)'
                price={124999}
                image='https://images-na.ssl-images-
    amazon.com/images/I/81s0JxBkzRL._SL1500_.jpg'
                rating={4}
            />
        </div>

        <div className='home__row'>
            <Product
                id='173'
                title='POCO X3 Pro (Graphite Black, 128 GB)  (8 GB RAM)#JustHere'
                price={20999}
                image='https://rukminim1.flixcart.com/image/416/416/kmthz0w0/mobile/j/c/p/x
    3-pro-mzb08ifin-poco-original-imagfn94amkm8wg3.jpeg?q=70'
                rating={4}
            />
            <Product
                id='183'
                title='Huawei Band 3 Pro Smart Band with Built-in GPS (Black)'
                price={4999}
                image='https://m.media-amazon.com/images/I/51b2DyBtUfL._SL1001_.jpg'
                rating={4}
            />
        </div>
        {/* add more */}
```

```jsx
            <div className='home__row'>
                <Product
                    id='193'
                    title='Atomberg Renesa 1200 mm BLDC Motor with Remote 3 Blade Ceiling
    Fan  (White and Black, Pack of 1)'
                    price={3396}
                    image='https://m.media-amazon.com/images/I/51COVye9sqL._SL1500_.jpg'
                    rating={4}
                />
                <Product
                    id='203'
                    title='Havells Instanio 3-Litre Instant Geyser (White/Blue)
                    Color name:White Blue
                    Style name:3 Litre 3kw'
                    price={3594}
                    image='https://m.media-amazon.com/images/I/51zfltcF4hL._SL1200_.jpg'
                    rating={4}
                />
                <Product
                    id='213'
                    title='
                    Samsung Galaxy A22 5G (Mint, 8GB RAM, 128GB Storage) with No Cost
    EMI/Additional Exchange Offers
                    Colour:Mint
                    Size name:8GB
                    Style name:With offer'
                    price={21999}
                    image='https://m.media-amazon.com/images/I/8153wY04+qS._SL1500_.jpg'
                    rating={3}
                />
            </div>

            <div className='home__row'>
                <Product
                    id='173'
                    title='LG 195 cms (77 inches) 4K Ultra HD Smart OLED TV OLED77C9PTA | With
    Built-in Alexa (Dark Meteo Titanium) (2019 Model)'
                    price={124999}
                    image='https://images-na.ssl-images-
    amazon.com/images/I/81s0JxBkzRL._SL1500_.jpg'
                    rating={4}
                />
            </div>

            <div className='home__row'>
                <Product
                    id='223'
                    title='Nerf Disruptor Elite Blaster 6-Dart Rotating Drum, Slam Fire,
    Includes 6 Official Elite Darts for Children, Teens, Adults - Multicolor'
                    price={999}
                    image='https://m.media-amazon.com/images/I/81-eDL-zIzL._SL1500_.jpg'
                    rating={1}
                />
                <Product
```

```
                  id='224'
                  title='Medohealthy 3 Ply Disposable Cotton Face Masks ( Pack of 100, Blue)
         for Unisex with Nose Pin BIS, (ISI) Certified Mask with Melt Blown Layer'
                  price={499}
                  image='https://m.media-amazon.com/images/I/81GFab0GhkL._SX385_.jpg'
                  rating={4}
              />
            </div>
          </div>
        </div>
      )
    }

    export default Home

```

❖ **Header**

```
import React from 'react'
import './Header.css'
import SearchIcon from '@material-ui/icons/Search'
import ShoppingCartCheckoutIcon from '@mui/icons-material/ShoppingCartCheckout'
import MenuIcon from '@mui/icons-material/Menu'
import { Link } from 'react-router-dom'
import { useStateValue } from './StateProvider'
import { auth } from './firebase'
import Carousel from 'react-bootstrap/Carousel'
import 'bootstrap/dist/css/bootstrap.css'
import Dropdown from 'react-dropdown'
import 'react-dropdown/style.css'

function Header() {
  const options = ['All', 'Two', 'Three']
  const defaultOption = options[0]

  const [{ basket, user }, dispatch] = useStateValue()
  const handleAuthentication = () => {
    if (user) {
      auth.signOut()
    }
  }
  return (
    <>
      <div className='header'>
        <Link to='/'>
          <img
            className='header__logo'
            src='http://pngimg.com/uploads/amazon/amazon_PNG11.png'
          />
        </Link>

        <div className='header__search'>
          {/* <div className='header__dropdown'>
```

```jsx
            <Dropdown
              options={options}
              //onChange={this._onSelect}
              value={defaultOption}
              placeholder='Select an option'
            />
          </div> */}
            <input className='header__searchInput' type='text' />
            <SearchIcon className='header__searchIcon' />
          </div>

        <div className='header__nav'>
          <Link to={!user && '/login'}>
            <div onClick={handleAuthentication} className='header__option'>
              <span className='header__optionLineOne'>
                Hello {!user ? 'Guest' : user.email}
              </span>
              <span className='header__optionLineTwo'>
                {' '}
                {user ? 'Sign Out' : 'Sign In'}
              </span>
            </div>
          </Link>

          <Link to='/order'>
            <div className='header__option'>
              <span className='header__optionLineOne'>Returns</span>
              <span className='header__optionLineTwo'>& Orders</span>
            </div>
          </Link>

          <Link to='/checkout'>
            <div className='header__optionBasket'>
              <ShoppingCartCheckoutIcon />
              <span className='header__optionLineTwoheader__basketCount'>
                {basket?.length}
              </span>
            </div>
          </Link>
        </div>
      </div>
      <div>
        <div className='header2'>
          <div className='h2image'>
            <MenuIcon className='header2menu' />

            <a href='clonedeAmazon.com' className='header2fields'>
              All
            </a>
            <a href='clonedeAmazon.com' className='header2fields'>
              Best Sellers
            </a>
            <a href='clonedeAmazon.com' className='header2fields'>
              Kindle eBooks
```

```jsx
              </a>
              <a href='clonedeAmazon.com' className='header2fields'>
                Books
              </a>
              <a href='clonedeAmazon.com' className='header2fields'>
                AmazonBasics
              </a>
              <a href='clonedeAmazon.com' className='header2fields'>
                Health, Household & Personal Care
              </a>
              <a href='clonedeAmazon.com' className='header2fields'>
                Home Improvement
              </a>
              <a href='clonedeAmazon.com' className='header2fields'>
                Gift ideas
              </a>
              <a href='clonedeAmazon.com' className='header2fields'>
                Pet Supplies
              </a>
            </div>

            {/* <div className='h2image'>
              <a href='https://www.primevideo.com/'>
                <img
                  className='d-block h-1 w-1'
                  src='https://images-eu.ssl-images-
  amazon.com/images/G/31/AmazonVideo/2021/X-
  site/SingleTitle/Satyamevjayate2/Launch/400x39-SWM_JPN._CB649182577_.jpg'
                  alt='nord'
                />
              </a>
            </div>
          </div>
          <div className='header2image'> */}
            {/* <Carousel>
              <Carousel.Item interval={10000}>
                <a href=''>
                  <img
                    className='d-block h-1 w-1'
                    src='https://images-eu.ssl-images-
  amazon.com/images/G/31/AmazonVideo/2021/X-
  site/SingleTitle/Satyamevjayate2/Launch/400x39-SWM_JPN._CB649182577_.jpg'
                    alt='nord'
                  />
                </a>
              </Carousel.Item>
              <Carousel.Item interval={10000}>
                <a href=''>
                  <img
                    className='d-block h-1 w-1'
                    src='https://images-eu.ssl-images-
  amazon.com/images/G/31/prime/Gateway/2020/June/gaming-swm._CB430661085_.jpg'
                    alt='nord'
                  />
```

```
                </a>
              </Carousel.Item>
            </Carousel> */}
          </div>
        </div>
      </ />
    )
  }

  export default Header
```

❖ **Product**

```
import React from 'react'
import './Product.css'
import { useStateValue } from './StateProvider'
import { Link } from 'react-router-dom'
import CurrencyFormat from 'react-currency-format'

function Product({ id, title, image, price, rating }) {
  const [basket, dispatch] = useStateValue()
  const addToBasket = () => {
    // dispatch the item into the data layer
    dispatch({
      type: 'ADD_TO_BASKET',
      item: {
        id: id,
        title: title,
        image: image,
        price: price,
        rating: rating,
      },
    })
  }
  const description = () => {
    // dispatch the item into the data layer
    dispatch({
      type: ' ',
      item: {
        id: id,
        title: title,
        image: image,
        price: price,
        rating: rating,
      },
    })
  }

  return (
    <div className='product'>
      <div className='product__info'>
```

```jsx
            <p>{title}</p>
            <p className='product__price'>
              {/* <small>₹ </small> */}
              <strong>
                {/* {price} */}
                <CurrencyFormat
                  renderText={(value) => <h3>{value}</h3>}
                  decimalScale={2}
                  value={price}
                  displayType={'text'}
                  thousandSeparator={true}
                  prefix={'₹'}
                />
              </strong>
            </p>
            <div className='product__rating'>
              {Array(rating)
                .fill()
                .map((_, i) => (
                  <p>⭐</p>
                ))}
            </div>
          </div>
        <Link to='/description'>
          <div className='productimg'>
            <img className='product__img' onClick={description} src={image} alt='' />
          </div>
        </Link>

        <button onClick={addToBasket}>Add to Basket</button>
      </div>
    )
  }

  export default Product
```

❖ **Payment**

```jsx
import { useElements, useStripe, CardElement } from '@stripe/react-stripe-js'
import React, { useCallback, useEffect, useState } from 'react'
import { Link, useHistory } from 'react-router-dom'
import CheckoutProduct from './CheckoutProduct'
import './Payment.css'
import { useStateValue } from './StateProvider'
import CurrencyFormat from 'react-currency-format'
import { getBasketTotal } from './reducer'
import axios from './axios'
import StripeContainer from './components/StripeContainer'
import GooglePayButton from '@google-pay/button-react'
import { PayPalButton } from 'react-paypal-button-v2'
import { ApplePayButton } from 'react-apple-pay-button'
import Login from './Login'
```

```
function Payment() {
  const [showItem, setShowItem] = useState(false)
  const [{ basket, user }, dispatch] = useStateValue()
  const history = useHistory()
  const stripe = useStripe()
  const element = useElements()

  const [succeeded, setSucceeded] = useState(false)
  const [processing, setProcessing] = useState('')
  const [error, setError] = useState(null)
  const [disabled, setDisabled] = useState(true)
  const [clientSecret, setClientSecret] = useState(true)

  // useEffect(() => {
  //   //generate the special stripe secret which allows us to charge a customer
  //   const getClientSecret = async () => {
  //     const response = await axios({
  //       method: 'post',
  //       url: `/payment/create?total=${getBasketTotal(basket) * 100}`,
  //     })
  //     setClientSecret(response.data.clientSecret)
  //   }
  //   getClientSecret()
  // }, [basket])

  // console.log('The secret is >>>', clientSecret)

  // const handleSubmit = async (Event) => {
  //   // do all fancy stripe stuff
  //   Event.preventDefault()
  //   setProcessing(true)

  //   const payload = await stripe
  //     .confirmCardPayment(clientSecret, {
  //       payment_method: {
  //         card: element.getElement(CardElement),
  //       },
  //     })
  //     .then(({ paymentIntent }) => {
  //       //paymentIntent = payment confirmation

  //       setSucceeded(true)
  //       setError(null)
  //       setProcessing(false)

  //       history.replace('/orders')
  //     })
  // }
  // const handleChange = (e) => {
  //   //Listen for changes in the CardElement
  //   // and display
  //   //setDisabled(event.empty);
  //   setDisabled(Event.disabled)
  //   //setError(event.error ? event.error.message: "");
```

```
//     setError(Event.error ? Event.error.message : '')
// }
const onRequestApplePay = useCallback(() => /* TODO */ [])
return (
  <>
    {/* using ternary conditional operator */}
    {basket.length ? (
      <div className='payment'>
        <div className='payment__container'>
          <h1 className='black'>
            Checkout (<Link to='/checkout'>{basket?.length} items </Link>)
          </h1>
          {/* Payment section - delivery address */}
          <div className='payment__section'>
            <div className='payment__title'>
              <h3>Delivery Address</h3>
            </div>
            <div className='payment__address'>
              <p>{user?.email}</p>
              <p>123 Vikas Nagar</p>
              <p>Akola, Maharastra, India 444101 </p>
            </div>
          </div>
          {/* Payment section - Review items */}
          <div className='payment__section'>
            <div className='payment__title'>
              <h3>Review items and delivery</h3>
            </div>
            <div className='payment__items'>
              {basket.map((item) => (
                <CheckoutProduct
                  id={item.id}
                  title={item.title}
                  image={item.image}
                  price={item.price}
                  rating={item.rating}
                />
              ))}
            </div>
          </div>
          {/* <div className='payment__total'></div> */}
        </div>
        <div className='payment__total'>
          <CurrencyFormat
            renderText={(value) => <h3>Order Total: {value}</h3>}
            decimalScale={2}
            value={getBasketTotal(basket)}
            displayType={'text'}
            thousandSeparator={true}
            prefix={'₹'}
          />
          {/* STRIPEEEEEEEEEEEEEEEEEEEEEEEE */}
          <Link to='paymentViaStripe'>
            {showItem ? (
```

```jsx
                    <StripeContainer />
                ) : (
                    <>
                        <button
                            className='payment__button'
                            onClick={() => setShowItem(true)}
                        >
                            STRIPE
                        </button>
                    </>
                )}
            </Link>
            {/* <Link to='paymentViaStripe'>
    {showItem ? (
        <StripeContainer />
    ) : (
        <>
            <button
                className='payment__button'
                onClick={() => setShowItem(true)}
            >
                PAYPAL{' '}
            </button>
        </>
    )}
</Link> */}
                <PayPalButton
                    amount='0.01'
                    // shippingPreference="NO_SHIPPING" // default is "GET_FROM_FILE"
                    onSuccess={(details, data) => {
                        alert(
                            'Transaction completed by ' + details.payer.name.given_name
                        )

                        // OPTIONAL: Call your server to save the transaction
                        return fetch('/paypal-transaction-complete', {
                            method: 'post',
                            body: JSON.stringify({
                                orderID: data.orderID,
                            }),
                        })
                    }}
                />
                <GooglePayButton
                    environment='TEST'
                    paymentRequest={{
                        apiVersion: 2,
                        apiVersionMinor: 0,
                        allowedPaymentMethods: [
                            {
                                type: 'CARD',
                                parameters: {
                                    allowedAuthMethods: ['PAN_ONLY', 'CRYPTOGRAM_3DS'],
                                    allowedCardNetworks: ['MASTERCARD', 'VISA'],
```

```jsx
            },
            tokenizationSpecification: {
              type: 'PAYMENT_GATEWAY',
              parameters: {
                gateway: 'example',
                gatewayMerchantId: 'exampleGatewayMerchantId',
              },
            },
          },
        ],
        merchantInfo: {
          merchantId: '12345678901234567890',
          merchantName: 'Demo Merchant',
        },
        transactionInfo: {
          totalPriceStatus: 'FINAL',
          totalPriceLabel: 'Total',
          totalPrice: '100.00',
          currencyCode: 'USD',
          countryCode: 'US',
        },
      }}
      onLoadPaymentData={(paymentRequest) => {
        console.log('load payment data', paymentRequest)
      }}
    />
    {/* <ApplePayButton className="payment__button" onClick={onRequestApplePay}
theme='light'>
      {'Subscribe with'}
    </ApplePayButton> */}
        </div>
      </div>
    ) : (
      <div className='notloggedin'> ◊ You have no items to proceed. ◊ </div>
    )}
  </>
  )
}

export default Payment
```
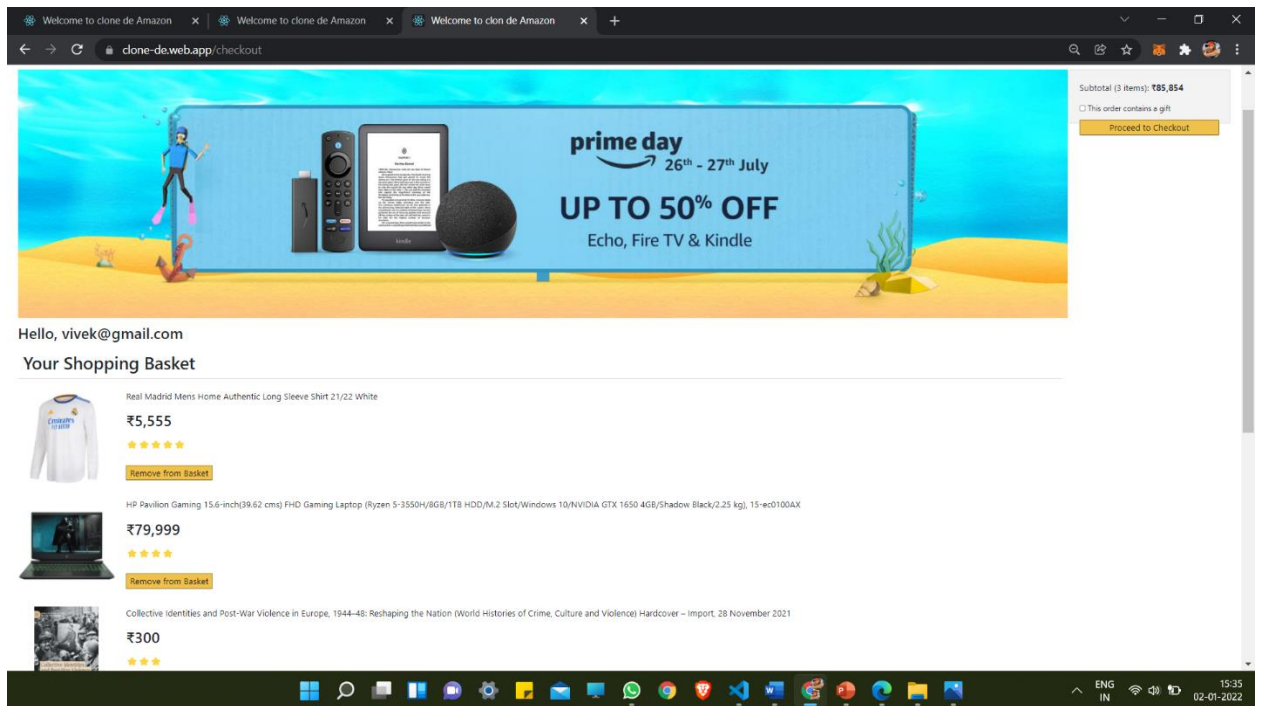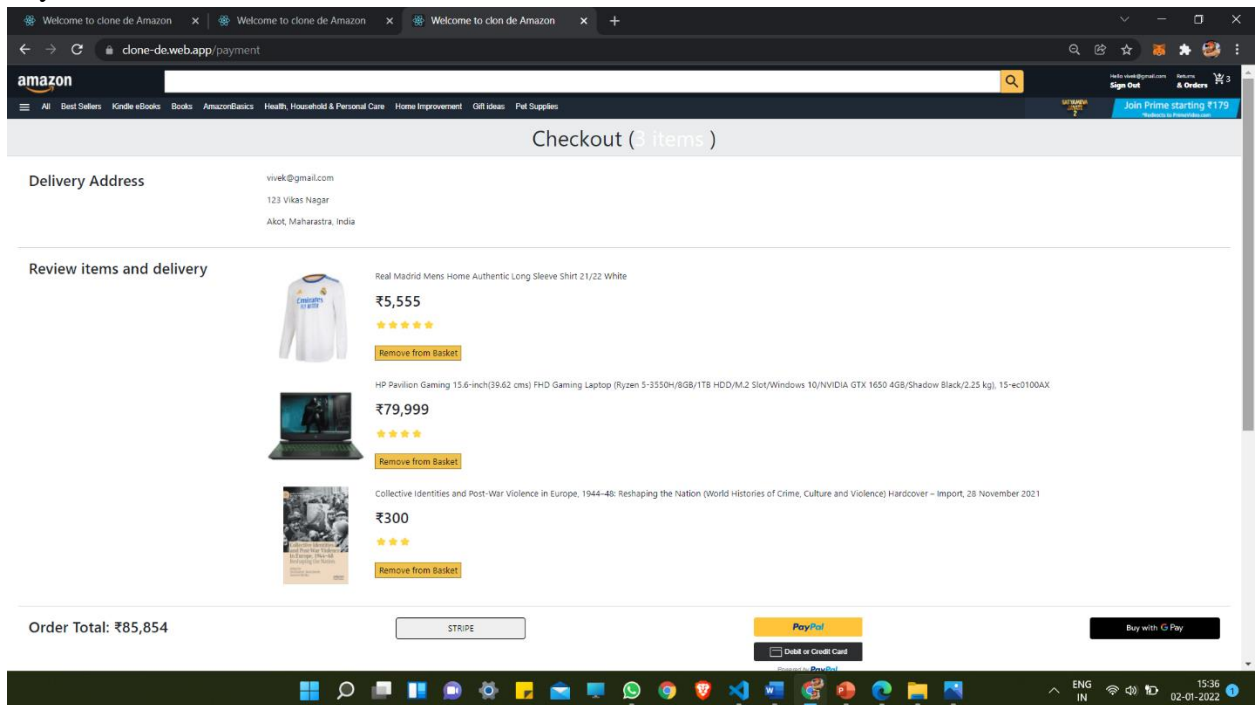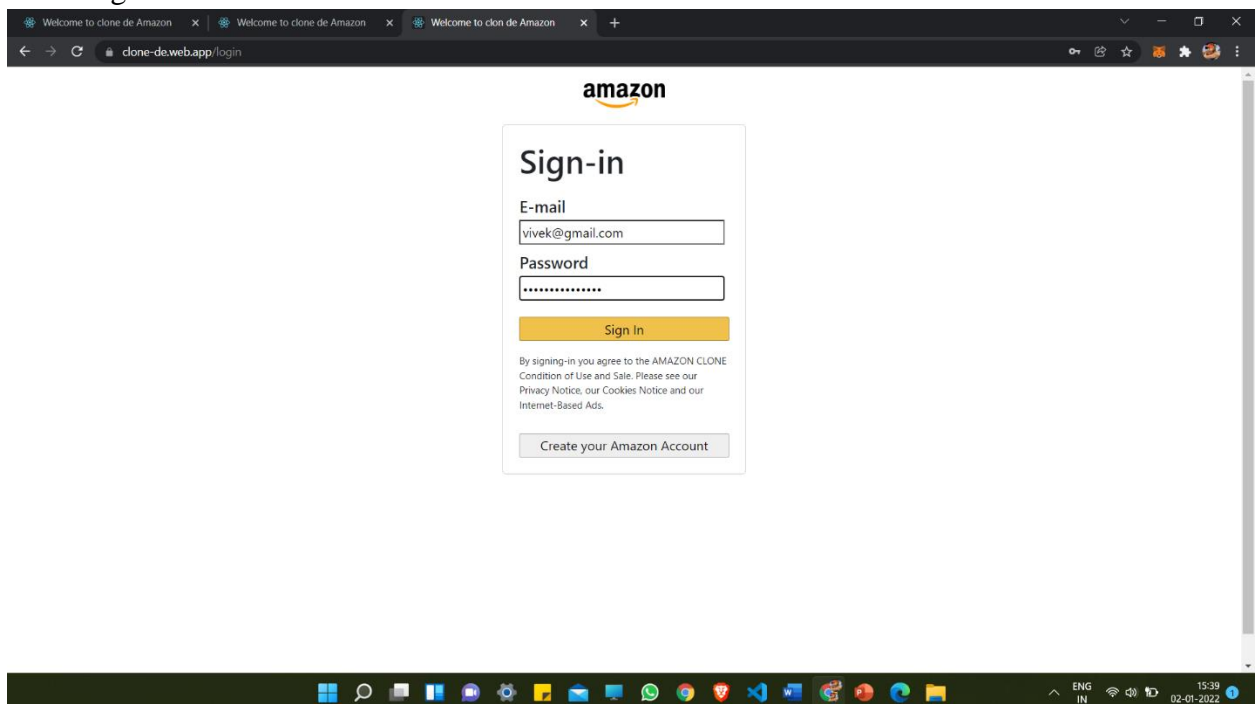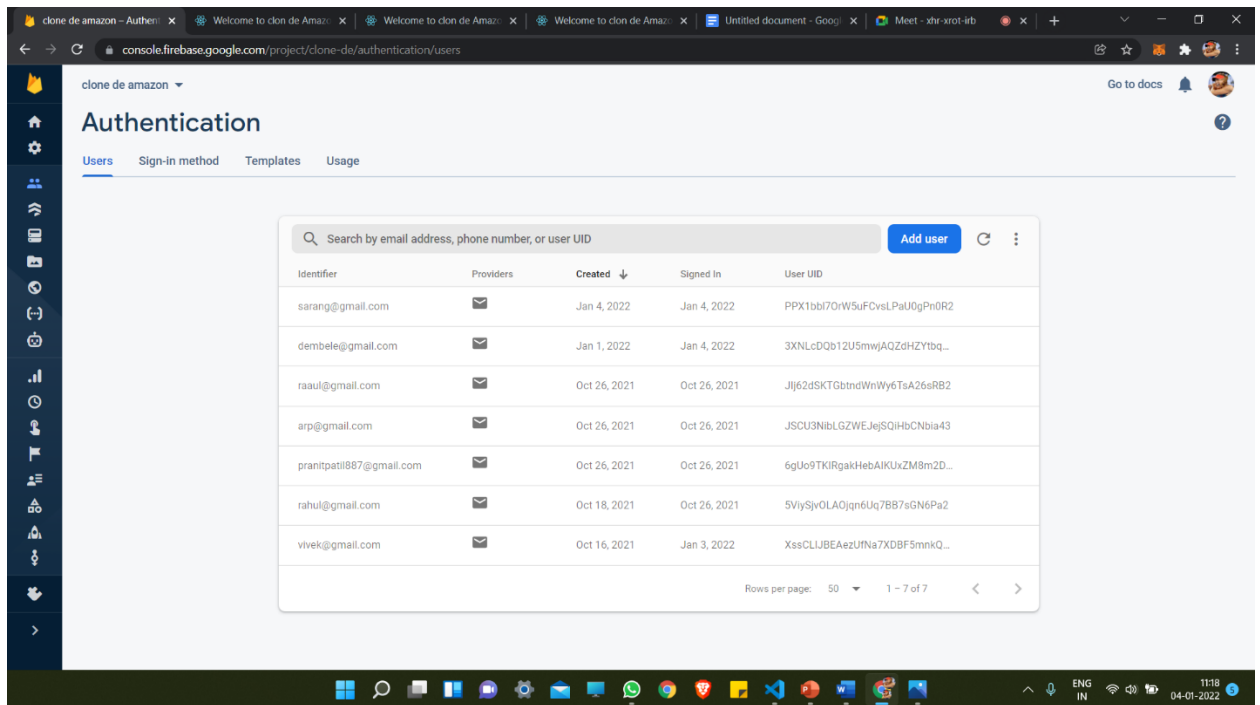
Result:

- Home
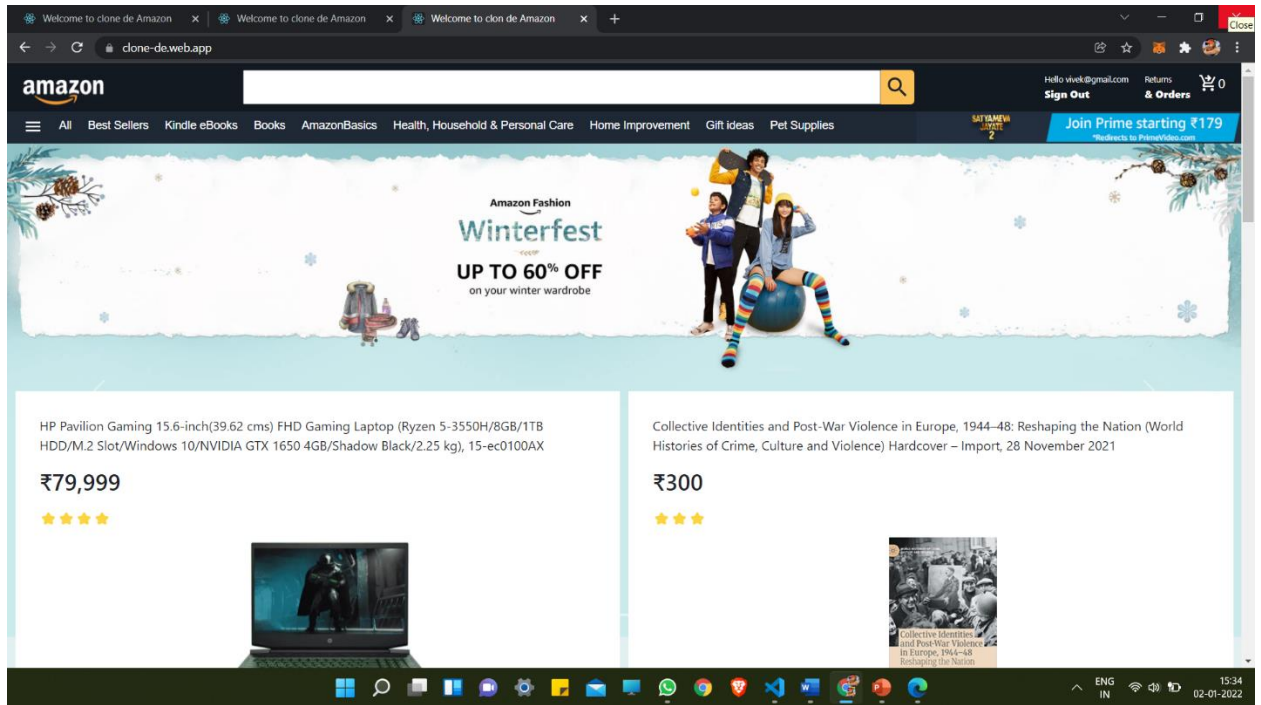
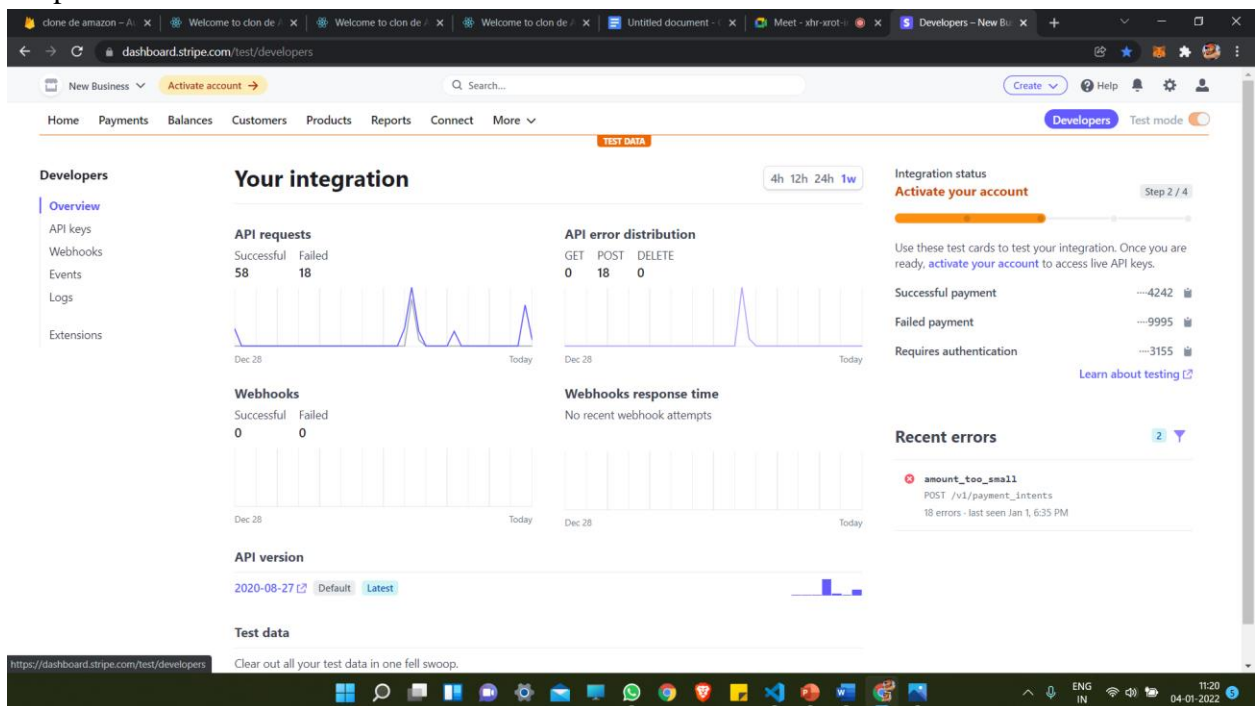- Checkout

- Payment

- User Registration

- Authentication

- Stripe

Conclusion:

- All the functionalities are working properly. Deployed an Amazon Clone react JS app on firebase. We learned about different components of React and also learned about different CSS syntax.

- This project helped us in developing our skills in domain of web development. We got to know about various features of firebase.