Ex No:05	**CREATION OF ECOMMERCE WEBSITE**
Date:	

Aim:

To create ecommerce website using react.js.

Components:

In 'src' folder create the following components:

1. App.js

2. App.css

3.Navbar.js

4.Home.js

Pages :

5.ShopContext.js

6.LoginSignup.js

7.Product.js

8.ShopCategory.js

1.App.js :

```
import './App.css';

import Navbar from './components/Navbar/Navbar';

import {BrowserRouter , Routes,Route}from 'react-router-dom';

import Shop from './pages/Shop';

import ShopCategory from './pages/ShopCategory';

import Product from './pages/Product';

import Cart from './pages/Cart';
```

```jsx
import LoginSignup from './pages/LoginSignup';

import Footer from './components/Footer/Footer';

import men_banner from './components/Assets/banner_mens.png'

import women_banner from './components/Assets/banner_women.png'

import kid_banner from './components/Assets/banner_kids.png'




function App() {

  return (

    <div>

      <BrowserRouter>

      <Navbar />

      <Routes>

        <Route path='/' element={<Shop/>}/>

        <Route path='/mens' element={<ShopCategory banner = {men_banner} category="men"/>}/>

        <Route path='/womens' element={<ShopCategory banner = {women_banner} category="women"/>}/>

        <Route path='/kids' element={<ShopCategory banner={kid_banner} category="kid"/>}/>

        <Route path="product" element={<Product/>}>

          <Route path=':productId' element={<Product/>}/>

        </Route>

        <Route path='/cart' element={<Cart/>}/>

        <Route path='/login' element={<LoginSignup/>}/>

      </Routes>

      <Footer />

      </BrowserRouter>

    </div>

  );

}
```

```
export default App;
```

2.App.CSS :

```css
.App {
  text-align: center;
}


.App-logo {
  height: 40vmin;
  pointer-events: none;
}


@media (prefers-reduced-motion: no-preference) {
  .App-logo {
    animation: App-logo-spin infinite 20s linear;
  }
}


.App-header {
  background-color: #282c34;
  min-height: 100vh;
  display: flex;
  flex-direction: column;
  align-items: center;
  justify-content: center;
  font-size: calc(10px + 2vmin);
  color: white;
```

```css
}

.App-link {
  color: #61dafb;
}


@keyframes App-logo-spin {
  from {
    transform: rotate(0deg);
  }
  to {
    transform: rotate(360deg);
  }
}
```

3.Navbar.js :

```javascript
import React, { useContext, useState } from 'react'
import './Navbar.css'
import logo from '../Assets/logo.png';
import cart_icon from '../Assets/cart_icon.png'
import { Link } from 'react-router-dom';
import { ShopContext } from '../../context/ShopContent';


const Navbar = () => {


const [ menu,setMenu] = useState("shop");

const { getTotalCartItems }= useContext(ShopContext)
```

```jsx
  return (
    <div className='navbar'>
      <div className='nav-logo'>
        <img src={logo} alt=""/>
        <p>MY FASHION</p>
      </div>
      <ul className='nav-menu'>
        <li onClick={()=>{setMenu("shop")}}><Link to='/'>Shop</Link>{menu === "shop"?<hr/>:<></>}</li>
        <li onClick={()=>{setMenu("mens")}}><Link to='/mens'>Men</Link>{menu === "mens"?<hr/>:<></>}</li>
        <li onClick={()=>{setMenu("womens")}}><Link to='/womens'>Women</Link>{menu === "womens"?<hr/>:<></>}</li>
        <li onClick={()=>{setMenu("kids")}}><Link to='/kids'>Kids</Link>{menu === "kids"?<hr/>:<></>}</li>
      </ul>
      <div className="nav-login-cart">
        <Link to='/login'><button>login</button></Link>
        <Link to='/cart'><img src={cart_icon} alt=''/></Link>
        <div className='nav-cart-count'>{getTotalCartItems()}</div>
      </div>
    </div>
  )
}

export default Navbar
```

4.Home.js :

```jsx
import React from 'react'
```

```
import Hero from '../components/Hero/Hero';

import Popular from '../components/Popular/Popular';

import Offer from '../components/Offers/Offer';

import Newcollection from '../components/Newcollection/Newcollection';

import NewsLetter from '../components/NewsLetter/NewsLetter';


const Shop = () => {

  return (

    <div>

      <Hero/>

      <Popular />

      <Offer />

      <Newcollection />

      <NewsLetter />

    </div>

  )

}


export default Shop
```

5.ShopContext.js :

```
import React, { createContext, useState } from "react";

import all_product from "../components/Assets/all_product";

export const ShopContext = createContext(null);

const getDefaultcart = ()=>{

    let cart = {};

    for(let index =0 ; index < all_product.length+1; index ++){
```

```javascript
            cart[index] = 0;

        }

        return cart;


}


const ShopContextProvider = (props) => {
    const [cartItem, setcartItem] = useState(getDefaultcart());
    const addToCart = (itemId) =>{
        setcartItem((prev)=>({...prev,[itemId]:prev[itemId]+1}))
        console.log(cartItem);

    }


    const removeFromCart = (itemId) =>{
      setcartItem((prev)=>({...prev,[itemId]:prev[itemId]-1}))
    }


    const getTotalCartAmount = () => {
        let totalAmount = 0;
        for(const item in cartItem){
            if(cartItem[item]>0){
                let itemInfo = all_product.find((product) =>product.id===Number(item));
                totalAmount += itemInfo.new_price * cartItem[item];
            }


        }
        return totalAmount;
    }


    const getTotalCartItems = () =>{
```

```
      let totalItem = 0;

      for(const item in cartItem){

        if(cartItem[item]>0){

          totalItem +=cartItem[item];

        }

      }

      return totalItem;

    }

 Const                              contextvalue                              =
{getTotalCartItems,getTotalCartAmount,all_product,cartItem,addToCart,removeFromCart};

    return(

      <ShopContext.Provider value={contextvalue}>

        {props.children}

      </ShopContext.Provider>

    )

}


export default ShopContextProvider;
```

6.LoginSignup.js

```
import React from 'react'

import './css/LoginSignup.css'


const LoginSignup = () => {

 return (

   <div className='loginsignup'>

     <div className="loginsignup-container">

       <h1>
```

```jsx
         Sign Up
      </h1>
      <div className="loginsignup-fields">
        <input type='text' placeholder='your Name' />
        <input type="email" placeholder='Email Address'/>
        <input type="password" placeholder='password'/>
      </div>
      <button>Continue</button>
      <p className="loginsignup-login">Already have an account? <span>Login  here </span></p>
      <div className="loginsignup-agree">
        <input type='checkbox' name='' id='' />
        <p>By Continuing ,  i agree to the terms of use & privacy policy.</p>
      </div>
    </div>
  </div>
 )
}


export default LoginSignup
```

7.Product.js

```jsx
import React, { useContext } from 'react'

import { ShopContext } from '../context/ShopContent';

import { useParams } from 'react-router-dom';

import Breadcrum from '../components/Breadcrums/Breadcrums';

import ProductDisplay from '../components/ProductDisplay/ProductDisplay';

import Description from '../components/DescriptionBox/Description';

import Related from '../components/Related Products/Related';
```

```
const Product = () => {
  const {all_product} = useContext(ShopContext);

  const {productId} = useParams();

  const product = all_product.find((e)=>e.id === Number(productId));

  return (

   <div>

   <Breadcrum product = {product}/>

   <ProductDisplay product={product}/>

   <Description />

   <Related />

   </div>

  )

}


export default Product
```

8.ShopCategory.js

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

import './css/Shoopcategory.css'

import { ShopContext } from '../context/ShopContent'

import dropdown_icon from '../components/Assets/dropdown_icon.png'

import Item from '../components/xxx/xxx'


const ShopCategory = (props) => {
 const {all_product } = useContext(ShopContext);
 return (
  <div className='shop-category'>
    <img className='shopcategory-banner' src={props.banner} alt=''/>
```

```jsx
        <div className='shopcategory-indexsort'>
          <p>
            <span>Showing 1-12</span>out of 36 products
          </p>
          <div className="shopcategory-sort">
            sort by <img src={dropdown_icon} alt=" "/>
          </div>


        </div>
        <div className="shopcategory-products">
          {all_product.map((item,i)=>{
            if (props.category === item.category){
              return <Item    key={i}   id={item.id}   name={item.name}   image={item.image}
new_price={item.new_price} old_price={item.old_price} />
            }
            else{
              return null;
            }
          })}
        </div>
        <div className="shopcategory-load">
          Explore More
        </div>
        </div>
  )
}


export default ShopCategory
```
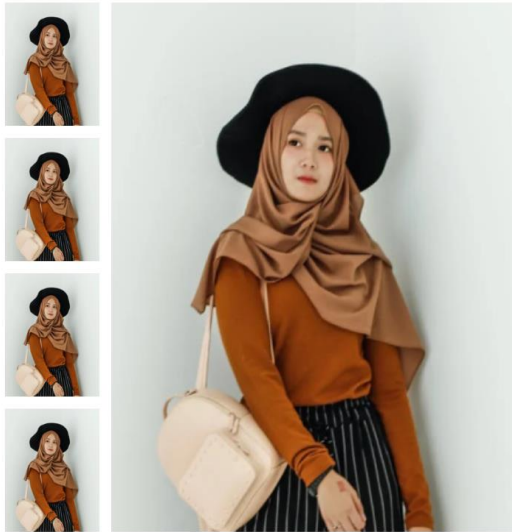
OUTPUT:

HOME › SHOP › Women › Striped Flutter Sleeve Overlap Collar Peplum Hem Blouse

Striped Flutter Sleeve Overlap Collar Peplum Hem Blouse

★★★★☆
(122)

~~Rs120.5~~   **Rs85**

A lightweight,usually knitted , pullover shirt , close - fitting

Select Size
S
M
L
XL
XXL

ADD TO CART

Category : Women, T-shirt,Crop Top
Tags : Modern,Latest

MY FASHION

Shop   Men   Women   Kids

login   🛒 ³

Sign Up

your Name

Email Address

password

Continue

Already have an account? Login here

☐ By Continuing , i agree to the terms of use & privacy policy.

Products	Title	Price	Quantity	Total	Remove
	Striped Flutter Sleeve Overlap Collar Peplum Hem Blouse	Rs.85	1	Rs.85	✕
	Boys Orange Colourblocked Hooded Sweatshirt	Rs.85	1	Rs.85	✕

cart totals

Subtotal	Rs.170
Shippping Fees	Free
Total	**Rs.170**

PROCEED TO CHECKOUT

If You have a promo code ,Enter It here

promo code   Submit

🛍 SHOPPER

Result:

Thus the creation of Ecommerce Website using react.js is successfully completed and the output is verified