

PROFESSIONAL TRAINING- I REPORT

at

**Sathyabama Institute of Science and Technology (Deemed to be
University)**

Submitted in partial fulfillment of the requirements for the award of Bachelor of
Technology in Information Technology

By

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DEPARTMENT OF INFORMATION TECHNOLOGY

SCHOOL OF COMPUTING

SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY

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CHENNAI – 600119, TAMILNADU

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SATHYABAMA
INSTITUTE OF SCIENCE AND
TECHNOLOGY
(DEEMED TO BE UNIVERSITY)



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DEPARTMENT OF INFORMATION TECHNOLOGY

BONAFIDE CERTIFICATE

This is to certify that this Project Report is the Bonafide work of **SAKTHIVEL.R** (Reg. No: 39120100) who carried out the project entitled "TO-DO LISTS USING REACT JS" under my supervision from June 2021 to November 2021.

Internal Guide

Dr.N.Nirmalrani

Head of the Department

Submitted for Viva voce Examination held on

Internal Examiner

External Examiner

DECLARATION

I, **SAKTHIVEL.R** hereby declare that the project report entitled **To-do lists using react JS done** by me under the guidance of **Dr.V.Nirmalrani** is submitted in partial fulfillment of the requirements for the award of Bachelor of Technology Degree in Information Technology.

DATE:

PLACE:

SIGNATURE OF THE STUDENT

ACKNOWLEDGEMENT

I am pleased to acknowledge my sincere thanks to **Board of Management of SATHYABAMA** for their kind encouragement in doing this project and for completing it successfully. I am grateful to them.

I convey my thanks to **Dr. T. Sasikala M.E., Ph.D., Dean, School of Computing, Dr. R. Subhashini, M.E., Ph.D. Head of the Department of Information Technology** for providing me necessary support and details at the right time during the progressive reviews.

I would like to express my sincere and deep sense of gratitude to my Project Guide **Dr.V.Nirmalrani** for her valuable guidance, suggestions and constant encouragement paved way for the successful completion of my project work.

I wish to express my thanks to all Teaching and Non-teaching staff members of the **Department of Information Technology** who were helpful in many ways for the completion of the project

TRAINING CERTIFICATE



LIST OF ABBREVIATIONS

HTML - Hypertext Markup Language

CSS - Cascading Style Sheet

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1.1 HTML:

HTML is an acronym which stands for **Hyper Text Markup Language** which is used for creating web pages and web applications. Let's see what is meant by Hypertext Markup Language, and Web page.

Hyper Text: Hypertext simply means "Text within Text." A text has a link within it, is a hypertext. Whenever you click on a link which brings you to a new webpage, you have clicked on a hypertext. Hypertext is a way to link two or more web pages (HTML documents) with each other.

Markup language: A markup language is a computer language that is used to apply layout and formatting conventions to a text document. Markup language makes text more interactive and dynamic. It can turn text into images, tables, links, etc.

Web Page: A web page is a document which is commonly written in HTML and translated by a web browser. A web page can be identified by entering an URL. A Web page can be of the static or dynamic type. **With the help of HTML only, we can create static web pages**

Features of HTML

- 1) It is a very **easy and simple language**. It can be easily understood and modified.
- 2) It is very easy to make an **effective presentation** with HTML because it has a lot of formatting tags.
- 3) It is a **markup language**, so it provides a flexible way to design web pages along with the text.

- 4) It facilitates programmers to add a **link** on the web pages (by html anchor tag), so it enhances the interest of browsing of the user.
- 5) It is **platform-independent** because it can be displayed on any platform like Windows, Linux, and Macintosh, etc.
- 6) It facilitates the programmer to add **Graphics, Videos, and Sound** to the web pages which makes it more attractive and interactive.
- 7) HTML is a case-insensitive language, which means we can use tags either in lower-case or upper-case.

1.2 CSS

CSS stands for Cascading Style Sheets. It is a style sheet language which is used to describe the look and formatting of a document written in markup language. It provides an additional feature to HTML. It is generally used with HTML to change the style of web pages and user interfaces. It can also be used with any kind of XML documents including plain XML, SVG and XUL.

CSS is used along with HTML and JavaScript in most websites to create user interfaces for web applications and user interfaces for many mobile applications.

What does CSS do

You can add new looks to your old HTML documents.

You can completely change the look of your website with only a few changes in CSS code.

Why use CSS

These are the three major benefits of CSS:

Before CSS, tags like font, color, background style, element alignments, border and size had to be repeated on every web page. This was a very long process.

For example: If you are developing a large website where fonts and color information are added on every single page, it will become a long and expensive process. CSS was created to solve this problem. It was a W3C recommendation.

2) Saves a lot of time

CSS style definitions are saved in external CSS files so it is possible to change the entire website by changing just one file.

3) Provide more attributes

CSS provides more detailed attributes than plain HTML to define the look and feel of the website.

1.3 React JS

ReactJS is a declarative, efficient, and flexible JavaScript library for building reusable UI components. It is an open-source, component-based front-end library responsible only for the view layer of the application. It was created by Jordan Walke, who was a software engineer at Facebook.

CHAPTER 2

AIM and SCOPE

Aim:

To show the users to experience a refreshing and creative website which is actually not normal.

Scope:

Unknowingly people are used to modern technologies and they are based on the customer interfaces. These days people are most likely to use tons of websites. Mostly every website they come across contains lite colors and more professional. Sometimes it gets bored to see that kind of websites. So, I have tried to implement a fully functional website which is also colorful and vibrant without any actual compromises.

2.2 PROJECT SCOPE:

- The programming technologies/languages used in the implementation of this project are follows:

@ CSS (Cascading Style Sheet)

@ HTML (Hypertext Markup Language)

- In web-based applications, Front end is the content rendered by the browser. The content may be static or generated dynamically with a scripting language. In this the content of the developed system is generated dynamically. The technologies used for the front-end are HTML, CSS.

CHAPTER 3

SYSTEM SPECIFICATIONS

3.1 HARDWARE SPECIFICATION

- 4GB RAM
- Processor Intel Core i3 and above

3.2 SOFTWARE SPECIFICATION

- Windows, Mac, Linux.
- Sublime Text Editor, Visual studio code.
- Language – HTML, CSS, JS.

Sublime Text 3 (ST3) is a lightweight, cross-platform code editor known for **its speed, ease of use, and strong community support**. It's an incredible editor right out of the box, but the real power comes from the ability to enhance its functionality using Package Control and creating custom settings.

CHAPTER 4

IMPLEMENTATION

The programming technologies/languages used in the implementation of this project are as follows: Cascading Style Sheet (CSS), JavaScript, Hypertext Markup Language (HTML), JavaScript.

In web-based application, Front End is the content rendered by the browser. The content may be static or generated dynamically with a scripting language. In this case, the Content of the developed system is generated dynamically. The technologies used for the front-end are HTML, JavaScript and CSS

CHAPTER 5

CONCLUSION

CONCLUSION

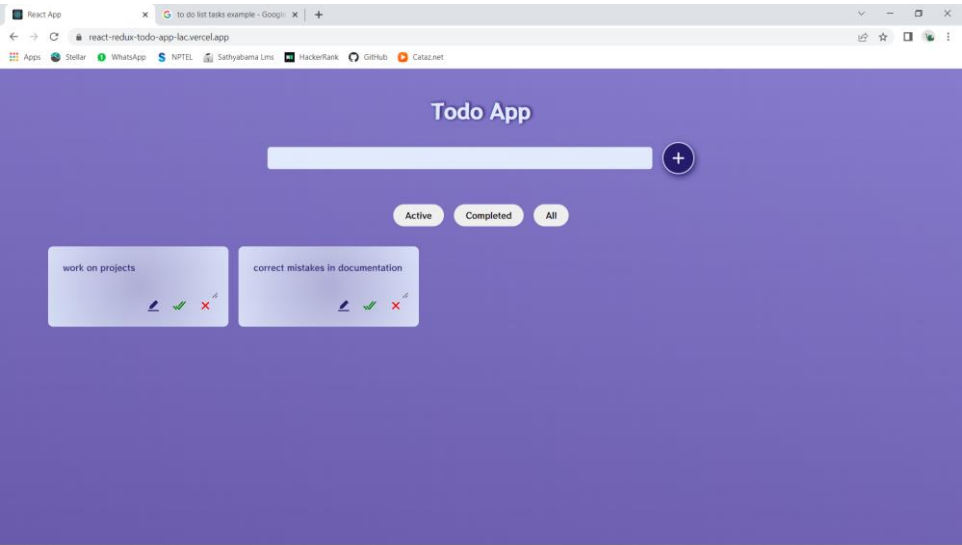
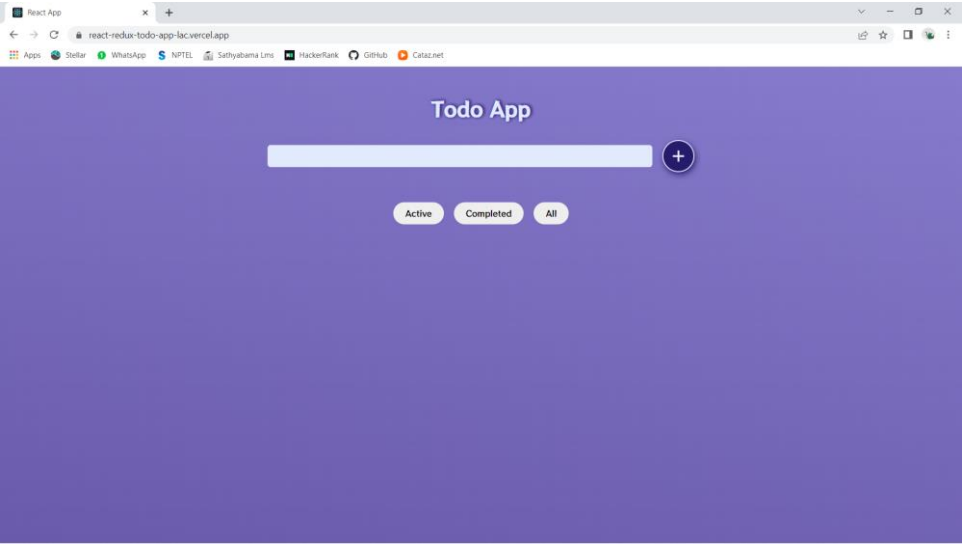
E-Commerce is not an IT issue but a whole business undertaking. Companies that use it as a reason for completely re-designing their business processes are likely to reap the greatest benefits. Moreover, E-Commerce is a helpful technology that gives the consumer access to business and companies all over the world.

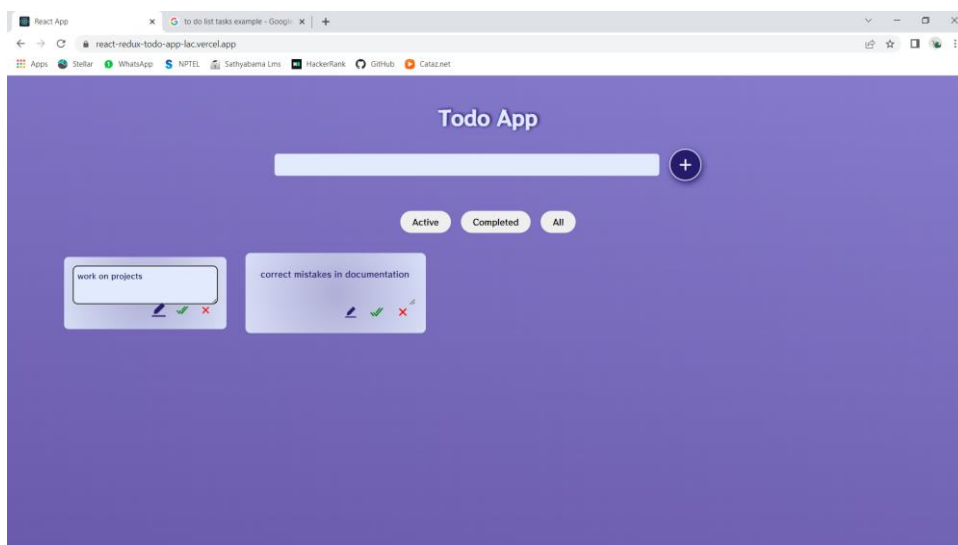
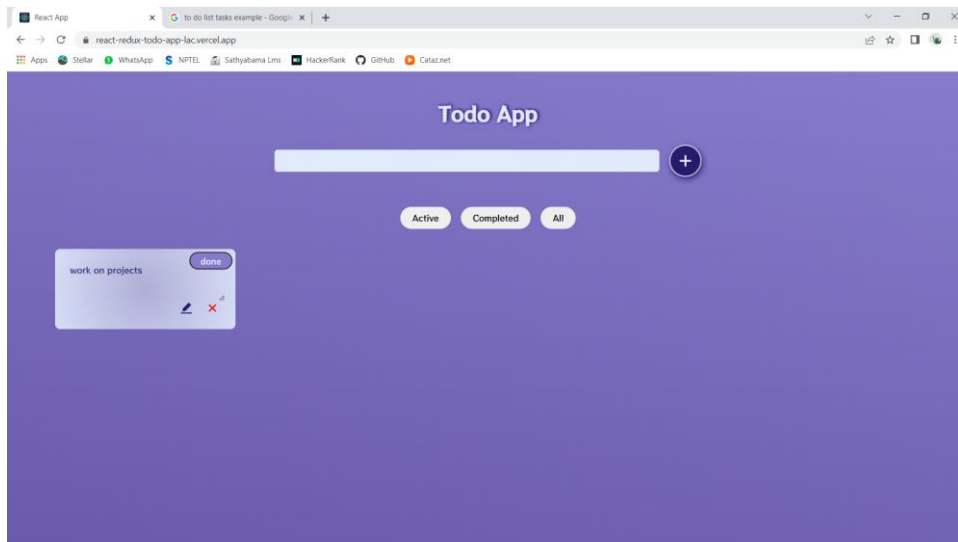
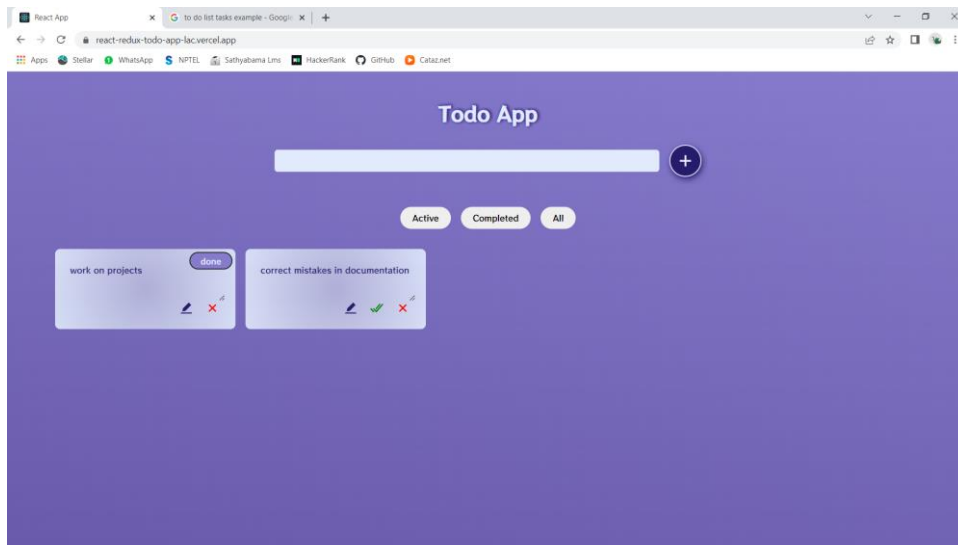
REFERENCES

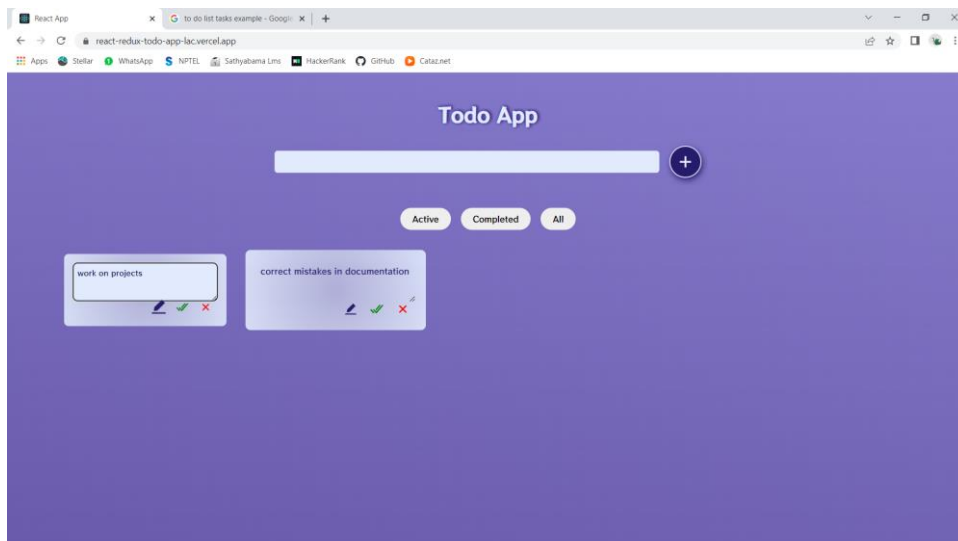
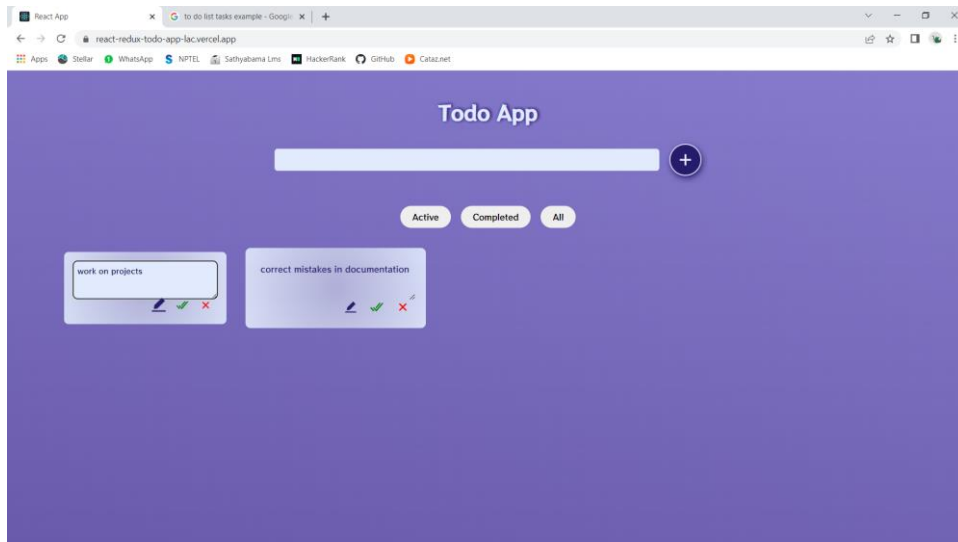
1.www.w3schools.com

2.www.javatpoint.com

APPLICATION SNAPSHOTS:







SOURCE CODE:

Src folder files:

Home.jsx:

import Products from "./Products";

```

const Home = () => {
  return (
    <div className="hero">
      <div className="card bg-dark text-white border-0">
        
        <div className="card-img-overlay d-flex flex-column justify-
content-center">
          <div className="container">
            <h5 className="card-title display-3 fw-bolder mb-
0">NEW SEASON ARRIVALS</h5>
            <p className="card-text lead fs-2">
              CHECK OUT ALL THE TREND
            </p>
          </div>
        </div>
      </div>
    </div>
  );
};

```

```

export default Home;

```

Navbar.jsx:

```

import React from "react";

```

```
import { NavLink } from "react-router-dom";
import { useSelector } from "react-redux";

const Navbar = () => {
  const state = useSelector((state) => state.handleCart)
  return (
    <div>
      <nav className="navbar navbar-expand-lg navbar-light bg-
light bg-white py-3 shadow-sm">
        <div className="container">
          <NavLink className="navbar-brand fw-bold fs-4" to="/">
            TRENDY COLLECTION
          </NavLink>
          <button
            className="navbar-toggler"
            type="button"
            data-bs-toggle="collapse"
            data-bs-target="#navbarSupportedContent"
            aria-controls="navbarSupportedContent"
            aria-expanded="false"
            aria-label="Toggle navigation"
          >
            <span className="navbar-toggler-icon"></span>
          </button>
          <div className="collapse navbar-collapse"
            id="navbarSupportedContent">
            <ul className="navbar-nav mx-auto mb-2 mb-lg-0">
              <li className="nav-item">
```

```
        <NavLink className="nav-link active" aria-
current="page" to="/">
            Home
        </NavLink>
    </li>
    <li className="nav-item">
        <NavLink className="nav-link" to="/products">
            Products
        </NavLink>
    </li>
    <li className="nav-item">
        <NavLink className="nav-link" to="/about">
            About
        </NavLink>
    </li>
    <li className="nav-item">
        <NavLink className="nav-link" to="/contact">
            Contact
        </NavLink>
    </li>

</ul>

<div className="buttons">
    <NavLink to="/login" className="btn btn-outline-
dark">
        <i className="fa fa-sign-in me-
1"></i>Login</NavLink>
    <NavLink to="/register" className="btn btn-outline-
dark ms-2">
```

```

        <i className="fa fa-user-plus me-1"></i>Register</NavLink>
        <NavLink to="/cart" className="btn btn-outline-dark ms-2">
            <i className="fa fa-shopping-cart me-1"></i>Cart
            ({state.length})</NavLink>
        </div>
    </div>
</div>
</nav>
</div>
);
};

```

export default Navbar;

Product.jsx:

```

import React,{useState, useEffect} from 'react';
import { useDispatch } from 'react-redux';
import { addCart } from '../redux/action';
import { useParams } from 'react-router';
import { NavLink } from 'react-router-dom';
import Skeleton from 'react-loading-skeleton';
const Product = () => {
    const {id}=useParams();
    const [product,setProduct] =useState([]);
    const [loading,setLoading] = useState(false);

```

```

const dispatch = useDispatch();
const addProduct =(product) => {
  dispatch(addCart(product));
}

useEffect(() => {
  const getProduct = async () => {
    setLoading(true);
    const response = await
fetch('https://fakestoreapi.com/products/${id}');
    setProduct(await response.json());
    setLoading(false);

  }
  getProduct();
},[]);
const Loading =() => {
  return(
    <>
    <div className="col-md-6">
      <Skeleton height={400}/>
    </div>
    <div className="col-md-6" style={{lineHeight:2}}>
      <Skeleton height={50} width={300}/>
      <Skeleton height={75}/>
      <Skeleton height={25} width={150}/>
      <Skeleton height={50}/>
    </div>
  )
}

```

```

        <Skeleton height={150}/>
        <Skeleton height={50} width={100}/>
        <Skeleton height={50} width={100}
style={marginLeft}/>
      </div>
    </>
  )
}
const ShowProduct = () => {
  return(
    <>
      <div className="col-md-6">
        <img src={product.img} alt={product.title}
height="400px" width="400px"/>
      </div>
      <div className="col-md-6">
        <h4 className='text-uppercase text-black-50'>
          {product.category}
        </h4>
        <h1 className="display-5">{product.title}</h1>
        <p className="lead fw-bolder">
          Rating{product.rating} && product.rating.rate}
          <i className="fa fa-star"></i>
        </p>
        <h3 className="display-6 fw-bold my-4">
          $ {product.price}
        </h3>
        <p className="lead">{product.description}</p>
      </div>
    </>
  )
}

```

```

        <button className="btn btn-outline-dark px-4 py-2"
onClick={()=>addProduct(product)}>
            Add to Cart
        </button>

        <NavLink to="/cart" className="btn btn-dark ms-2
px-3 py-2">
            Go to Cart
        </NavLink>
    </div>
</>
)
}
return(
    <div>
        <div className="container">
            <div className="row py-4">
                {loading ? <Loading/> : <ShowProduct/>}
            </div>
        </div>
    </div>
);
}

```

export default Product;

Products.jsx:

```

import React, { useState, useEffect, Component } from "react";
import { NavLink } from "react-router-dom";

```

```
import Skeleton from "react-loading-skeleton";
```

```
const Products = () => {  
  const [data, setData] = useState([]);  
  const [filter, setFilter] = useState(data);  
  const [loading, setLoading] = useState(false);  
  let componentMounted = true;
```

```
  useEffect(() => {  
    const getProducts = async () => {  
      setLoading(true);  
      const response = await  
fetch("https://fakestoreapi.com/products");  
      if (componentMounted) {  
        setData(await response.clone().json());  
        setFilter(await response.json());  
        setLoading(false);  
        console.log(filter);  
      }  
    }  
  });
```

```
  return () => {  
    componentMounted = false;  
  };  
};  
getProducts();  
, []);  
const Loading = () => {  
  return(  

```

```

<>
  <div className="col-md-3">
    <Skeleton height={350}/>
  </div>
  <div className="col-md-3">
    <Skeleton height={350}/>
  </div>
  <div className="col-md-3">
    <Skeleton height={350}/>
  </div>
  <div className="col-md-3">
    <Skeleton height={350}/>
  </div>
</>
);
};
const filterProduct = (cat) => {
  const updatedList = data.filter((x)=>x.category === cat);
  setFilter(updatedList);
}
const ShowProducts = () => {
  return (
    <>
      <div className="buttons d-flex justify-content-center mb-5 pb-5">
        <button className="btn btn-outline-dark me-2"
onClick={()=>setFilter(data)}>All</button>

```

```
    <button className="btn btn-outline-dark me-2"
onClick={()=>filterProduct("men's clothing")}>Men's
Clothing</button>
```

```
    <button className="btn btn-outline-dark me-2"
onClick={()=>filterProduct("women's clothing")}>
```

```
        Women's Clothing
```

```
    </button>
```

```
    <button className="btn btn-outline-dark me-2"
onClick={()=>filterProduct("jewelery")}>Jewelery</button>
```

```
    <button className="btn btn-outline-dark me-2"
onClick={()=>filterProduct("electronics")}>Electronics</button>
```

```
</div>
```

```
{filter.map((product) => {
```

```
    return (
```

```
        <>
```

```
        <div className="col-md-3 mb-4">
```

```
            <div class="card h-100 text-center p-4"
key={product.id}>
```

```
                <img src={product.image} class="card-img-top"
alt={product.title} height="250px" />
```

```
                <div class="card-body">
```

```
                    <h5 class="card-title mb-
0">{product.title.substring(0,12)}...</h5>
```

```
                    <p class="card-text lead fw-bold">
```

```
                        ${product.price}
```

```
                    </p>
```

```
                    <NavLink to={` /products/${product.id}`} class="btn
btn-outline-dark">
```

```
                        Buy Now
```

```
                    </NavLink>
```

```

        </div>
      </div>
    </div>
  </>
);
}}
</>
);
};
return (
  <div>
    <div className="container my-5 py-5">
      <div className="row">
        <div className="col-12 mb-5">
          <h1 className="display-6 fw-bolder text-center">Latest
Products</h1>
          <hr />
        </div>
      </div>
      <div className="row justify-content-center">
        {loading ? <Loading /> : <ShowProducts />}
      </div>
    </div>
  </div>
);
};
export default Products;

```

App.js:

```
import './App.css';
import Home from './component/Home';
import Navbar from './component/Navbar';
import {Switch, Route} from 'react-router-dom';
import Products from './component/Products';
import Signup from './component/Signup';
import { Provider } from 'react-router-dom';

function App(){
  return(
    <>
      <Navbar/>

      <Switch>
        <Route exact path="/" component={Home} />
        <Route exact path="/products" component={Products} />
        <Route exact path="/products/:id" component={Products} />
      </Switch>
    </>
  );
}

export default App;
```

Index.js:

```
import React from 'react';  
import ReactDOM from 'react-dom';  
import './index.css';  
import App from './App';  
import reportWebVitals from './reportWebVitals';  
import './node_modules/bootstrap/dist/css/bootstrap.min.css';  
import './node_modules/font-awesome/css/font-awesome.min.css';  
import {BrowserRouter} from "react-router-dom";  
import {Provider} from "react-redux";  
import store from './redux/store'
```

```
ReactDOM.render(  
  <BrowserRouter>  
    <Provider store={store}>  
      <App />  
    </Provider>  
  </BrowserRouter>,  
  document.getElementById('root')  
);
```

// If you want to start measuring performance in your app, pass a function

// to log results (for example: reportWebVitals(console.log))

// or send to an analytics endpoint. Learn more: <https://bit.ly/CRA-vitals>

```
reportWebVitals();
```

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;  
}
```

