1. **Create a React App**:

bash

Copy code

npx create-react-app ecommerce-frontend

cd ecommerce-frontend

2. **Install Dependencies**: Install libraries for styling and HTTP requests.

bash

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npm install axios react-router-dom

Step 2: Structure Your Project

Create a basic structure for your React app:

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src/

├── components/

│   ├── ProductCard.js

│   └── ProductList.js

├── pages/

│   └── HomePage.js

├── App.js

└── index.js

Step 3: Create Components

1. **ProductCard Component** (src/components/ProductCard.js):

jsx

Copy code

import React from 'react';

```jsx
const ProductCard = ({ product }) => {

  return (

    <div style={styles.card}>

      <img src={product.image} alt={product.name} style={styles.image} />

      <h3>{product.name}</h3>

      <p>${product.price}</p>

    </div>

  );

};


const styles = {

  card: {

    border: '1px solid #ccc',

    borderRadius: '8px',

    padding: '16px',

    textAlign: 'center',

    margin: '16px',

    width: '200px',

  },

  image: {

    width: '100%',

    height: '150px',

    objectFit: 'cover',

  },

};


export default ProductCard;
```

2. **ProductList Component** (src/components/ProductList.js):

jsx

Copy code

```jsx
import React from 'react';

import ProductCard from './ProductCard';


const ProductList = ({ products }) => {

  return (

    <div style={styles.container}>

      {products.map((product) => (

        <ProductCard key={product.id} product={product} />

      ))}

    </div>

  );

};


const styles = {

  container: {

    display: 'flex',

    flexWrap: 'wrap',

    justifyContent: 'center',

  },

};


export default ProductList;
```

Step 4: Create the Home Page

1. **HomePage Component** (src/pages/HomePage.js):

```jsx
Copy code
import React, { useState, useEffect } from 'react';
import ProductList from '../components/ProductList';

const HomePage = () => {
  const [products, setProducts] = useState([]);

  // Mock data
  useEffect(() => {
    const mockProducts = [
      {
        id: 1,
        name: 'Product 1',
        price: 100,
        image: 'https://via.placeholder.com/200',
      },
      {
        id: 2,
        name: 'Product 2',
        price: 150,
        image: 'https://via.placeholder.com/200',
      },
      {
        id: 3,
        name: 'Product 3',
        price: 200,
        image: 'https://via.placeholder.com/200',
```

```
      },
    ];
    setProducts(mockProducts);
  }, []);


  return (
    <div>
      <h1 style={{ textAlign: 'center' }}>Welcome to My E-commerce</h1>
      <ProductList products={products} />
    </div>
  );
};


export default HomePage;
```

Step 5: Configure App.js

Update src/App.js to include routing and render the HomePage:

jsx

Copy code

```
import React from 'react';

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

import HomePage from './pages/HomePage';


function App() {
  return (
    <Router>
      <Routes>
        <Route path="/" element={<HomePage />} />
```

```
      </Routes>

    </Router>

  );

}


export default App;
```

Step 6: Run the Application

1. Start the development server:

bash

Copy code

npm start

2. Open http://localhost:3000 in your browser.