WEB PROGRAMMING LAB ASSESSMENT-6

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App.js

```
import React from 'react';import './index.css';
import Cart from './Cart.js';
import './Home.css'
import Header from './Header.js'
import Homepage from './Homepage.js'
import Footer from './footer.js'

const MyApp = () => {
  return (
      <div className="App">

          <Header />
          <Homepage/>
          <Cart/>
          <Footer />
        </div>

    );
  };

export default MyApp;
```

HomePage.js

```
import React from 'react';
import Category from './Category';
import { BarChart, Bar, XAxis, YAxis, Tooltip, Legend, CartesianGrid } from
'recharts';

function Homepage() {

    const categories = [
        {
            title: 'Footwears',
            products: [
                {
                    image: 'Screenshot 2024-01-18 003632.png',
                    name: 'Product-1',
                    price: 1000,
```

```
        rating: 2,
        reviews: [
            { source: 'Amazon', price: 1000, rating: 2 },
            { source: 'Flipcart', price: 1100, rating: 1 },
            { source: 'Myntra', price: 1050, rating: 3 },
            { source: 'Snapdeal', price: 1200, rating: 4 },
            { source: 'Ebay', price: 950, rating: 2 },
        ],
        offer: '10% off',
        source: 'Amazon'
    },
    {

        image: 'Screenshot 2024-01-18 003938.png',
        name: 'Product-2',
        price: 2000,
        rating: 4,
        reviews: [
            { source: 'Amazon', price: 2100, rating: 3 },
            { source: 'Flipcart', price: 2000, rating: 4 },
            { source: 'Myntra', price: 2050, rating: 5 },
            { source: 'Snapdeal', price: 2200, rating: 4 },
            { source: 'Ebay', price: 1900, rating: 3 },
        ],
        offer: '20% off',
        source: 'Flipcart'
    },
    // Add more products here
    {
        image: 'Screenshot 2024-01-18 201023.png',
        name: 'Product-3',
        price: 1500,
        rating: 3,
        reviews: [
            { source: 'Amazon', price: 1600, rating: 3 },
            { source: 'Flipcart', price: 1550, rating: 4 },
            { source: 'Myntra', price: 1500, rating: 3 },
            { source: 'Snapdeal', price: 1700, rating: 4 },
            { source: 'Ebay', price: 1450, rating: 5 },
        ],
        offer: '20% off',
        source: 'Myntra'
    },
    {

        image: 'Screenshot 2024-04-21 154453.png',
        name: 'Product-4',
        price: 3000,
        rating: 4,
        reviews: [
```

```
                { source: 'Amazon', price: 3100, rating: 4 },
                { source: 'Flipcart', price: 3200, rating: 2 },
                { source: 'Myntra', price: 3050, rating: 4 },
                { source: 'Snapdeal', price: 3000, rating: 4 },
                { source: 'Ebay', price: 2900, rating: 3 },
            ],
            offer: '20% off',
            source: 'Snapdeal'
        },
        {
            image: 'Screenshot 2024-04-21 154401.png',
            name: 'Product-5',
            price: 4000,
            rating: 5,
            reviews: [
                { source: 'Amazon', price: 4100, rating: 3 },
                { source: 'Flipcart', price: 3800, rating: 2 },
                { source: 'Myntra', price: 4050, rating: 1 },
                { source: 'Snapdeal', price: 4200, rating: 4 },
                { source: 'Ebay', price: 4000, rating: 5 },
            ],
            offer: '20% off',
            source: 'Ebay'
        },
        {
            image: 'Screenshot 2024-04-21 154917.png',
            name: 'Product-6',
            price: 5000,
            rating: 3,
            reviews: [
                { source: 'Amazon', price: 5000, rating: 3 },
                { source: 'Flipcart', price: 5400, rating: 2 },
                { source: 'Myntra', price: 5050, rating: 1 },
                { source: 'Snapdeal', price: 5200, rating: 2 },
                { source: 'Ebay', price: 4900, rating: 4 },
            ],
            offer: '20% off',
            source: 'Amazon'
        }
    ]
},
{
    title: 'Watches',
    products: [
        {
            image: 'Screenshot 2024-01-18 010645.png',
            name: 'Product-1',
            price: 500,
```

```javascript
        rating: 3,
        reviews: [
            { source: 'Amazon', price: 500, rating: 3 },
            { source: 'Flipcart', price: 550, rating: 5 },
            { source: 'Myntra', price: 525, rating: 2 },
            { source: 'Snapdeal', price: 600, rating: 3 },
            { source: 'Ebay', price: 480, rating: 4 },
        ],
        offer: '20% off',
        source: 'Amazon'
},
{

        image: 'Screenshot 2024-01-18 201521.png',
        name: 'Product-2',
        price: 4000,
        rating: 4,
        reviews: [
            { source: 'Amazon', price: 4200, rating: 3 },
            { source: 'Flipcart', price: 4000, rating: 4 },
            { source: 'Myntra', price: 4050, rating: 5 },
            { source: 'Snapdeal', price: 4300, rating: 4 },
            { source: 'Ebay', price: 3800, rating: 3 },
        ],
        offer: '15% off',
        source: 'Flipcart'
},
// Add more products here
{
        image: 'Screenshot 2024-04-21 190049.png',
        name: 'Product-3',
        price: 6000,
        rating: 4,
        reviews: [
            { source: 'Amazon', price: 6100, rating: 3 },
            { source: 'Flipcart', price: 6050, rating: 2 },
            { source: 'Myntra', price: 6000, rating: 4 },
            { source: 'Snapdeal', price: 6200, rating: 1 },
            { source: 'Ebay', price: 5900, rating: 3 },
        ],
        offer: '20% off',
        source: 'Myntra'
},
{

        image: 'Screenshot 2024-04-21 190147.png',
        name: 'Product-4',
        price: 12000,
        rating: 3,
        reviews: [
```

```javascript
            { source: 'Amazon', price: 12100, rating: 2 },
            { source: 'Flipcart', price: 12300, rating: 3 },
            { source: 'Myntra', price: 12050, rating: 4 },
            { source: 'Snapdeal', price: 12000, rating: 3 },
            { source: 'Ebay', price: 11800, rating: 2 },
        ],
        offer: '20% off',
        source: 'snapdeal'
    },
    {
        image: 'Screenshot 2024-04-21 190218.png',
        name: 'Product-5',
        price: 5500,
        rating: 3,
        reviews: [
            { source: 'Amazon', price: 5600, rating: 4 },
            { source: 'Flipcart', price: 5400, rating: 5 },
            { source: 'Myntra', price: 5550, rating: 4 },
            { source: 'Snapdeal', price: 5700, rating: 5 },
            { source: 'Ebay', price: 5500, rating: 3 },
        ],
        offer: '20% off',
        source: 'Ebay'
    },
    {
        image: 'Screenshot 2024-01-18 201714.png',
        name: 'Product-6',
        price: 9000,
        rating: 3,
        reviews: [
            { source: 'Amazon', price: 9000, rating: 3 },
            { source: 'Flipcart', price: 9300, rating: 2 },
            { source: 'Myntra', price: 9050, rating: 3 },
            { source: 'Snapdeal', price: 9200, rating: 2 },
            { source: 'Ebay', price: 8900, rating: 1 },
        ],
        offer: '20% off',
        source: 'amazon'
    }
    ]
},
{
    title: 'Electronic-products',
    products: [
        {
            image: 'Screenshot 2024-01-19 084905.png',
            name: 'Product-1',
            price: 80000,
```

```
            rating: 5,
            reviews: [
                { source: 'Amazon', price: 80000, rating: 5 },
                { source: 'Flipcart', price: 81000, rating: 1 },
                { source: 'Myntra', price: 80500, rating: 3 },
                { source: 'Snapdeal', price: 82000, rating: 2 },
                { source: 'Ebay', price: 78000, rating: 4 },
            ],
            offer: '10% off',
            source: 'Amazon'
        },
        {
            image: 'Screenshot 2024-01-19 085820.png',
            name: 'Product-2',
            price: 90000,
            rating: 3,
            reviews: [
                { source: 'Amazon', price: 91000, rating: 2 },
                { source: 'Flipcart', price: 90000, rating: 3 },
                { source: 'Myntra', price: 90500, rating: 4 },
                { source: 'Snapdeal', price: 92000, rating: 3 },
                { source: 'Ebay', price: 89000, rating: 2 },
            ],
            offer: '15% off',
            source: 'Flipcart'
        },

        {
            image: 'Screenshot 2024-01-19 194502.png',
            name: 'Product-3',
            price: 1499,
            rating: 2,
            reviews: [
                { source: 'Amazon', price: 1480, rating: 2 },
                { source: 'Flipcart', price: 1500, rating: 3 },
                { source: 'Myntra', price: 1499, rating: 2 },
                { source: 'Snapdeal', price: 1520, rating: 3 },
                { source: 'Ebay', price: 1475, rating: 2 },
            ],
            offer: '20% off',
            source: 'Myntra'
        },
        {
            image: 'Screenshot 2024-04-21 191010.png',
            name: 'Product-4',
            price: 3000,
            rating: 5,
            reviews: [
```

```
                    { source: 'Amazon', price: 3200, rating: 1 },
                    { source: 'Flipcart', price: 3100, rating: 2 },
                    { source: 'Myntra', price: 3050, rating: 3 },
                    { source: 'Snapdeal', price: 3000, rating: 5 },
                    { source: 'Ebay', price: 2900, rating: 1 },
                ],
                offer: '20% off',
                source: 'Snapdeal'
            },
            {

                image: 'Screenshot 2024-04-21 191050.png',
                name: 'Product-5',
                price: 7500,
                rating: 3,
                reviews: [
                    { source: 'Amazon', price: 7600, rating: 4 },
                    { source: 'Flipcart', price: 7300, rating: 5 },
                    { source: 'Myntra', price: 7550, rating: 4 },
                    { source: 'Snapdeal', price: 7700, rating: 5 },
                    { source: 'Ebay', price: 7500, rating: 3 },
                ],
                offer: '20% off',
                source: 'Ebay'
            },
            {

                image: 'Screenshot 2024-04-21 191305.png',
                name: 'Product-6',
                price: 9000,
                rating: 4,
                reviews: [
                    { source: 'Amazon', price: 9000, rating: 4 },
                    { source: 'Flipcart', price: 9240, rating: 2 },
                    { source: 'Myntra', price: 9050, rating: 3 },
                    { source: 'Snapdeal', price: 9200, rating: 2 },
                    { source: 'Ebay', price: 8900, rating: 1 },
                ],
                offer: '20% off',
                source: 'Amazon'
            }
        ]
    }
];
const findBestProduct = (products) => {
    let bestProduct = null;
    let bestAveragePrice = Infinity;

    products.forEach(product => {
        let totalPrices = 0;
```

```
            let totalRatings = 0;
            product.reviews.forEach(review => {
                totalPrices += review.price;
                totalRatings += review.rating;
            });
            const averagePrice = totalPrices / product.reviews.length;
            const averageRating = totalRatings / product.reviews.length;

            if (averagePrice < bestAveragePrice) {
                bestAveragePrice = averagePrice;
                bestProduct = product;
                bestProduct.averageRating = averageRating;
            }
        });

        return bestProduct;
    };

    const prepareChartData = () => {
        const data = [];
        categories.forEach(category => {
            const bestProduct = findBestProduct(category.products);
            if (bestProduct) {
                data.push({ category: category.title, rating:
bestProduct.averageRating, price: bestProduct.price });
            }
        });
        return data;
    };

    return (
        <div style={{ backgroundColor: '#f3f4f6', padding: '20px' }}>
            {categories.map((category, index) => (
                <div key={index}>
                    <Category title={category.title}
products={category.products} />

                    <div style={{ marginTop: '20px' }}>
                        <h3>Best {category.title}</h3>
                        {findBestProduct(category.products) && (
                            <div>
                                <p>{findBestProduct(category.products).name}
from {findBestProduct(category.products).source} is the best choice!</p>
                                <p>Average Rating: <span style={{ color:
'black' }}>{findBestProduct(category.products).averageRating}</span></p>
                                <p>Average Price:
${findBestProduct(category.products).price}</p>
                            </div>
```

```jsx
                    )}
                </div>
            </div>
        ))}

        <h2 style={{ marginTop: '40px' }}>Best Products Comparison</h2>
        <BarChart width={800} height={400} data={prepareChartData()}
margin={{ top: 20, right: 30, left: 20, bottom: 5 }}>
                <CartesianGrid strokeDasharray="3 3" />
                <XAxis dataKey="category" />
                <YAxis />
                <Tooltip />
                <Legend />
                <Bar dataKey="rating" fill="#8884d8" />
                <Bar dataKey="price" fill="#82ca9d" />
        </BarChart>
    </div>
    );
}

export default Homepage;
```

Home.css

```css
*{
    margin: 0;
    padding: 0;
}
.main{
    width: 100%;
    background-color: bisque;
    background-position: center;
    height: 110vh;
    display: flex;
    align-items: center;
    flex-wrap: wrap;
    justify-content: space-around;
}
body {
    background-color: bisque;
}
.nav-bar{
    width: 1200px;
    height: 73px;
    margin: auto;
    display: flex;
}
.icon{
    width: 150px;
```

```css
        float: left;
        height: 60px;

    }
    .image-container {
        float: left;
        padding: 17px 0 0 0px;
    }
    .logo{
        color: #ff7200;
        font-size: 40px;
        font-family: Helvetica;
        padding-left: 0px;
        float: left;
        padding-top: 9px;
        margin-left: 0px;

    }
    .menu{
        width: 400px;
        float: left;
        height: 70px;
    }
    ul{
        float: left;
        display: flex;
        justify-content: center;
        align-items: center;
    }
    ul li{
        list-style: none;
        margin-left: 50px;
        margin-top: 27px;
        font-size: 17px;
    }
    ul li a{
        text-decoration: none;
        color: brown;
        font-family: Arial;
        font-weight: bold;
        transition: 0.4s;
    }
    ul li a:hover{
        color: blue;
    }
    .search{
        width: 330px;
        float: right;
```

```css
        margin-left: auto;
        padding-top: 10px;
        display: flex;
        align-items: center;
}
.srch{
        font-family: 'Times New Roman';
        width: 200px;
        height: 40px;
        background: transparent;
        border: 2px solid #ff7200;
        margin-top: 13px;
        color: black;
        border-right: none;
        float: left;
        padding: 10px;
        border-bottom-left-radius: 5px;
        border-top-left-radius: 5px;


}
.button{
        width: 100px;
        height: 40px;
        display: inline-block;
        background: #ff7200;
        border: 2px;
        margin-top: 13px;
        margin-bottom: 0;
        color: black;
        font-size: 15px;
        border-radius: 30px;
        margin-left: 2px;
}
.btn:focus{
        outline: none;
}
.srch:focus{
        outline: none;
}
.contact{
        text-align: center;
        margin: 0 auto;
}
.contact a{
        text-decoration: none;
        color: black;
        transition: 0.3s;
```

```css
}
.contact:hover{
    color: blue;
}
.photo{
    flex-basis: 50px;
    min-width: 300px;
}
.photo img{
    max-width: 100%;
    padding: 50px 0;
}
.categories{
    margin: 70px 0;
    text-align: center;
}
.categories h2{
    margin-bottom: 30px;
}
.watch-container h2{
    margin-bottom: 30px;
}
.col-1,.col-2,.col-3{
    display: inline-block;
    vertical-align: top;
    width: 30%;
    margin: 0 10px;
}

.container {
    display: flex;
    flex-wrap: wrap;
    justify-content: space-between;
    align-items: flex-start;
  }

.container .col-1 img, .container .col-2 img, .container .col-3 img {
    max-width: 100%;

    display: block;
    margin: 0 auto;
}
.container .col-1 img:hover,
.container .col-2 img:hover,
.container .col-3 img:hover {
    opacity: 0.7;
    transition: opacity 0.5s ease-in-out
}
```

```css
.watch-container .col-1 img:hover,
.watch-container .col-2 img:hover,
.watch-container .col-3 img:hover {
    opacity: 0.7;
    transition: opacity 0.5s ease-in-out
}
.elctronic-items .col-1 img:hover,
.elctronic-items .col-2 img:hover,
.elctronic-items .col-3 img:hover {
    opacity: 0.7;
    transition: opacity 0.5s ease-in-out
}




.col-1 {
    margin-bottom: 20px;
}
.col-2,.col-3 {
    padding: 0 10px;
    margin-bottom: 20px;
}
.col {
    flex: 0 0 30%; /* Adjust the width of columns as needed */
    margin: 20px; /* Add margin for spacing */
    text-align: center;
  }
h2{
    text-align: center;
}
.banner{
    width: 100%;
    margin: auto;
    color: brown;
    position: relative;
}
.centered-button{
    text-align: center;
}
.centered-button .contact {
    width: 160px;
    height: 40px;
    background: #ff7200;
    border: none;
    margin-top: 10px;
    font-size: 18px;
    border-radius: 9px;
    cursor: pointer;
}
```

```css
.bu{
    width: 100px;
    height: 30px;
    background: #ff7200;
    border: none;
    font-size: 15px;
    border-radius: 9px;
    margin: 10px 5px 0 5px;
    cursor: pointer;
}
.bu:hover{
    background: brown;
}
.product-box {
    border: 1px solid #e1e1e1;
    border-radius: 5px;
    padding: 20px;
    margin-bottom: 20px;
    position:relative;
    display: flex;
    align-items: center;
    flex-direction: column;
    background-color: #f9f9f9;

}

.product-box:hover {
    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
  }

.product-image {
    width: 300px;
    height: 300px;
    margin-right: 20px;
    transition: transform 0.3s ease-in-out
}
.product-details{
    text-align:center;
}
.product-box:hover .product-image{
    transform: scale(1.1);
}

.product-details h3{
    margin-top: 0;
    margin-bottom: 5px;
}
```

```css
.product-details p{
    margin: 0;
    margin-bottom: 5px;
}

.button-container{
    margin-top: 10px;
}

.centered-button .contact a{
    text-decoration: none;
    color: black;
    transition: 0.3s;
}
.p {
    padding-left: 30px;
    padding-bottom: 20px;
    font-family: Arial;
    letter-spacing: 1.2px;
    line-height: 30px;
}
.banner h1 {
    font-family: 'Times New Roman';
    font-size: 50px;
    padding-left: 20px;
    margin-top: 9%;
    letter-spacing: 1px;
}
.banner .contact {
    width: 160px;
    height: 40px;
    background: #ff7200;
    border: none;
    margin-bottom: 10px;
    margin-left: 20px;
    font-size: 18px;
    border-radius: 9px;
    cursor: pointer;
}
.buy-now-btn {
    background-color: #ff7200; /* Orange color */
    color: white; /* White text color */
    border: none;
    padding: 10px 20px;
    margin-right: 10px; /* Add some margin between buttons */
    border-radius: 5px; /* Rounded corners */
    cursor: pointer;
    transition: background-color 0.3s ease; /* Smooth transition */
```

```css
  }

  .buy-now-btn:hover {
    background-color: #e65c00; /* Darker orange color on hover */
  }

  .add-to-cart-btn {
    background-color: #1e90ff; /* Dodger blue color */
    color: white; /* White text color */
    border: none;
    padding: 10px 20px;
    border-radius: 5px; /* Rounded corners */
    cursor: pointer;
    transition: background-color 0.3s ease; /* Smooth transition */
  }

  .add-to-cart-btn:hover {
    background-color: #0066cc; /* Darker blue color on hover */
  }
.banner .contact a{
    text-decoration: none;
    color: black;
    transition: 0.3s;
}
.search-container{
    display: flex;
    align-items:center;
}
.container{
    width: 100%;
    margin: auto;
    color: brown;
    position: relative;
}
.container h2 {
    text-align: center;
}
.container .col-2{
    width: 30%;
    text-align: center;
    margin: 0 10px;
}
.watch-container .col-2{
    flex: 0 0 30%;
    text-align: center;
    margin: 0 10px;
}
.watch-container{
```

```css
    display: flex;
    justify-content: space-around;
    align-items: center;
    flex-wrap: wrap;
}
.watch-container .col-2 img{
    max-width: 100%;

    display: block;
    margin: 0, auto;
}
.col-2{
    width: 30%;
    margin-bottom: 20px;
}

.col-2 img{
    max-width: 100%;

    display: block;
    margin: 0 auto;
}
.electronic-items{
    margin-top: 60px;
    text-align: center;
}

.col-1,.col-2,.col-3{
    display: inline-block;
    vertical-align: top;
    width: 30%;
    margin: 20px 10px;/*margin-top margin-bottom*/
    width: calc(30% - 6px); /* Adjusted width to accommodate margin */
    margin-bottom: 20px;
}
.categories, .watch-container{
    display: flex;
    justify-content: space-around;
    align-items: flex-start;/*aligning the objects from the starting of the
container*/
    flex-wrap: wrap;
}

.categories .col-1, .categories .col-2, .categories .col-3,
.watch-container .col-1,
.watch-container .col-2,
.watch-container .col-3{
```

```css
    text-align: center;
    flex: 0 0 30%;
    margin: 20px 10px; /*margin-top margin-bottom*/
}

.categories .col-1 img,
.categories .col-2 img,
.categories .col-3 img,
.watch-container .col-1 img,
.watch-container .col-2 img,
.watch-container .col-3 img{
    max-width: 100%;
    display: block;
    margin: 0 auto;
}
.categories h2::after{
    content:'';
    display: block;
    width: 100px;
    height: 1px;
    background-color: bisque;
    margin-bottom: 5px;
}

h1{
    font-size: 50px;
    text-align: center;
}
hr{
    width: 70%;
    padding: 15px;
}
.container .text{
    float: right;
    margin-top: 8px;
    flex: container;
}
.reviews {
    margin-top: 20px;
  }

  .review-container {
    display: flex;
    flex-direction: column;
  }

  .review {
    border-bottom: 1px solid #ccc;
```

```css
      padding-bottom: 10px;
  }

  .customer-info {
    display: flex;
    align-items: center;
    margin-bottom: 5px;
  }

  .customer-image {
    width: 30px;
    height: 30px;
    border-radius: 50%;
    margin-right: 10px;
  }

  .customer-name {
    font-weight: bold;
    margin: 0;
  }

  .customer-comment {
    margin: 0;
  }
.footer{
    background-color: #24262b;
    color: #ffffff;
    padding: 30px 0;
    display: flex;
    flex-direction: column;
    align-items: center;
}
.footer .container{
    display: flex;
    flex-wrap: wrap;
    justify-content: space-around;
    max-width: 1200px;
}
.footer .footer-col{
    flex: 1 1 25%;
    padding: 0 15px;
    margin-bottom: 30px;
}
.footer .footer-col h4{
    font-size: 18px;
    color: #ffffff;
    text-transform: capitalize;
    margin-bottom: 15px;
```

```css
    font-weight: 500;
    position: relative;
}
.footer .footer-col h4::before{
    content: '';
    position: absolute;
    left: 0;
    bottom: -10px;
    background-color: #ff7200;
    height: 2px;
    box-sizing: border-box;
    width: 50px;
}
.footer .footer-col ul{
    list-style: none;
    padding: 0;
}
.footer .footer-col ul li:not(:last-child){
    margin-bottom: 10px;
}
.footer .footer-col ul li a{
    font-size: 16px;
    text-transform: capitalize;
    color: #ffffff;
    text-decoration: none;
    font-weight: 300;
    color: #bbbbbb;
    display: block;
    transition: all 0.3s ease;
}
.footer .footer-col ul li a:hover{
    color: #ffffff;
    padding-left: 8px;
}
.footer .footer-col .social-links a{
    display: inline-block;
    height: 40px;
    width: 40px;
    background-color: rgba(255, 255, 255, 0.2);
    margin-right: 10px;
    text-align: center;
    line-height: 40px;
    border-radius: 50%;
    color: #ffffff;
    transition: all 0.5s ease;
}
.footer .footer-col .social-links a:last-child{
    margin-right: 0;
```

```css
    }
.footer .footer-col .social-links a:hover{
    color: #24262b;
    background-color: #ffffff;
}
.footer-bottom{
    text-align: center;
    margin-top: 30px
}
.footer-bottom p{
        font-size: 14px;
}
.offer {
    display: inline-block;
    background-color: '#4caf50';
    padding: 5px 10px;
    border-radius: 4px;
    margin-bottom: 4px;
}
.offer p {
    color: white;
    font-size:14px;
}
.rating i {
    color: yellow;
}
.price-comparison-table {
    margin-top: 10px;
}
.price-comparison-table table {
    width: 100%;
    border-collapse: collapse;
}
.price-comparison-table th, .price-comparison-table td {
    border: 1px solid #ddd;
    padding: 8px;
    text-align: left;
}

.price-comparison-table th {
    background-color: #f2f2f2;
}
.price-comparison-table tr:nth-child(even) {
    background-color: #f2f2f2;
}
.price-comparison-btn{
    background-color: #ff7200;
    color: white;
```

```css
    border: none;
    padding: 10px 20px;
    margin-right: 10px;
    border-radius: 5px;
    cursor: pointer;
    transition: background-color 0.3s ease;
}
```

Header.js

```jsx
import React from 'react'
const Header=()=>{

  return(

    <div style={{ backgroundColor: 'bisque' }}>
      <div className="main">
          <div className="nav-bar">
            <div className="image-container">
                <img src="jyo.png" width="60px" height="60px" alt='logo'
/>
              </div>
              <div className="icon">
                  <h1 className="logo">Online Shop</h1>
              </div>

              <div className="menu">
                  <nav>
                      <ul>
                          <li><a href="#">Home</a></li>
                          <li><a href="#">Cart</a></li>
                          <li><a href="#">Orders</a></li>
                          <li><a href="#">Profile</a></li>
                          <li><a
href="file:///C:/Users/91789/OneDrive/Desktop/Documents/Desktop/OneDrive/Deskt
op/_website/contact.html">Contact</a></li>
                      </ul>

                  </nav>
              </div>
              <div className="search">
                  <input className="srch" name="text" placeholder="type
here" value=""/>
                  <a href="#"><button className="button">search</button></a>

              </div>
          </div>
          <div className="banner">
```

```jsx
            <h1 align="center">Welcome to Online Shopping</h1>
            <p align="center" className="p">The trend of online shopping
has increased in recent times with the increase<br/> of e-commerce and digital
technology. With just a single click,<br/> you can shop for everything by
sitting at your home<br/> as per your choice, convenience and budget.</p>
            <div className="centered-button">
                <button className="contact"><a href="#">Join Us
&#8594;</a></button>
            </div>
        </div>
        <div className="photo">
            <img src="Screenshot 2024-01-14 230523.png" />
        </div>
      </div>
    </div>
  )
}
export default Header
```

Category.js

```jsx
import React from "react";
import Product from "./Product";

function Category({ title, products }) {
  return (
    <div className="categories">
      <h2 style={{ textAlign: "center", fontSize: "35px", color: title ===
'Footwears' ? 'brown' : 'brown' }}>
        <b>{title}</b>
      </h2>
      <div className="container">
        {products.map((product, index) => (
          <div key={index} className="key">
            <Product
              image={product.image}
              name={product.name}
              price={product.price}
              offer={product.offer}
              source={product.source}
              rating={product.reviews ? product.reviews : 0}
              reviews={product.reviews ? product.reviews : []} // Pass reviews
prop here
            />
          </div>
        ))}
      </div>
    </div>
```

```
    );
}
export default Category;
```

Product.js

```javascript
import React, { useState } from "react";
import StarRating from "./StarRating";
import { LineChart, Line, Tooltip, XAxis, YAxis, CartesianGrid,
ResponsiveContainer } from 'recharts';

const sourceLogos = {
  "Amazon": "amazon_logo_url",
  "Flipcart": "flipcart_logo_url",
  "Myntra": "myntra_logo_url",
  "Snapdeal": "snapdeal_logo_url",
  "Ebay": "ebay_logo_url",
};

const Product = ({ image, name, price, offer, source, rating, reviews }) => {
  const [showPriceComparison, setShowPriceComparison] = useState(false);

  const calculateAverageRating = (reviews) => {
    if (reviews.length === 0) {
      return 0;
    }
    const totalRating = reviews.reduce((acc, review) => acc + review.rating,
0);
    return Math.round(totalRating / reviews.length);
  };

  const averageRating = calculateAverageRating(reviews);

  const getSourceLogo = () =>{
    return sourceLogos[source];
  };

  const dynamicPriceChart = (
    <ResponsiveContainer width="100%" height={200}>
      <LineChart data={reviews}>
        <CartesianGrid strokeDasharray="3 3" />
        <XAxis dataKey="source" />
        <YAxis />
        <Tooltip />
        <Line type="monotone" dataKey="price" stroke="#8884d8" />
      </LineChart>
    </ResponsiveContainer>
  );
```

```jsx
  const userReviews = reviews.map((review, index) => (
    <div key={index}>
      <p><strong>{review.source}:</strong> {review.comment}</p>
      <StarRating rating={review.rating} />
    </div>
  ));

  const calculateSavings = () => {
    const prices = reviews.map(review => review.price);
    const minPrice = Math.min(...prices);
    const savings = Math.max(price - minPrice, 0);
    return savings;
  };

  return (
    <div className="product-box">
      <img src={image} alt={name} className="product-image" />
      <div className="product-details">
        <h3>{name}</h3>
        <p>Price: ${price}</p>
        <StarRating rating={averageRating} color="yellow"/>
        {offer && (
          <div className="offer" style={{backgroundColor: '#4caf50'}}>
            <p style={{ color: 'white' }}>Offer: {offer}</p>
          </div>
        )}
        <div className="source-logo">
          {source && (
            <img src={getSourceLogo()} alt={source} />
          )}
        </div>
        <div className="button-container">
          <button className="buy-now-btn">Buy Now</button>
          <button className="add-to-cart-btn">Add to Cart</button>
          <button className="price-comparison-btn" onClick={() =>
setShowPriceComparison(!showPriceComparison)}>Price Comparison</button>
        </div>
        {showPriceComparison && (
          <div className="price-comparison-table">
            <h4>Price Comparison:</h4>
            {dynamicPriceChart}
            <p>Savings: ${calculateSavings()}</p>
            <p>You could save ${calculateSavings()} by buying from the
cheapest source!</p>
          </div>
        )}
        <div className="user-reviews">
          <h4>User Reviews:</h4>
```

```
              {userReviews}
            </div>
          </div>
        </div>
      );
    };


    export default Product;
```

StarRating.js

```
import React from "react";

const StarRating = ({ rating }) => {
  const stars = [];
  for (let i = 0; i < 5; i++) {
    if (i < rating) {
      stars.push(<i key={i} className="fas fa-star" style={{ color: '#ffd700'
}}></i>);
    } else {
      stars.push(<i key={i} className="far fa-star"></i>);
    }
  }
  return <div>{stars}</div>;
};

export default StarRating;
```

Footer.js

```
import React from 'react';
const Footer = () => {
  return (
    <footer className="footer">
      <div className="container">
        <div className="footer-col">
        <link rel="stylesheet" type="text/css"
href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.15.1/css/all.min.css"/>

          <h4>Company</h4>
          <ul>
            <li><a href="#">About Us</a></li>
            <li><a href="#">Contact Us</a></li>
            <li><a href="#">Terms & Conditions</a></li>
            <li><a href="#">Privacy Policy</a></li>
          </ul>
        </div>
```

```jsx
        <div className="footer-col">
          <h4>Categories</h4>
          <ul>
            <li><a href="#">Footwear</a></li>
            <li><a href="#">Clothing</a></li>
            <li><a href="#">Accessories</a></li>
            <li><a href="#">Electronics</a></li>
          </ul>
        </div>
        <div className="footer-col">
          <h4>Help & Support</h4>
          <ul>
            <li><a href="#">FAQs</a></li>
            <li><a href="#">Shipping Information</a></li>
            <li><a href="#">Returns & Exchanges</a></li>
            <li><a href="#">Customer Service</a></li>
          </ul>
        </div>
        <div className="footer-col">
          <h4>Follow Us</h4>
          <div className="social-links">
            <a href="#"><i className="fab fa-facebook-f"></i></a>
            <a href="#"><i className="fab fa-twitter"></i></a>
            <a href="#"><i className="fab fa-instagram"></i></a>
            <a href="#"><i className="fab fa-linkedin-in"></i></a>
          </div>
        </div>
      </div>
      <div className="footer-bottom">
        <p>&copy; 2024 jyothsnahanumanthu12@gmail.com.All rights reserved.</p>
      </div>
    </footer>
  );
}

export default Footer;
```

OUTPUT

Welcome to Online Shopping

The trend of online shopping has increased in recent times with the increase
of e-commerce and digital technology. With just a single click,
you can shop for everything by sitting at your home
as per your choice, convenience and budget.

Join Us →

Footwears

Product-1
Price: $1000
★★☆☆☆
Offer: 10% off

Amazon

Buy Now | Add to Cart | Price Comparison

User Reviews:
Amazon:
★★☆☆☆
Flipcart:

Amazon

Buy Now | Add to Cart | Price Comparison
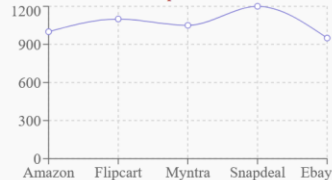
Price Comparison:

1200
900
600
300
Amazon Flipcart Myntra Snapdeal Ebay

Savings: $50
You could save $50 by buying from the cheapest source!

User Reviews:
Amazon:
★★☆☆☆
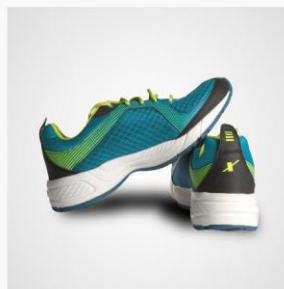**Flipcart:**
★☆☆☆☆
Myntra:
★★★☆☆
Snapdeal:
★★★★☆
Ebay:
★★☆☆☆

Product-2
Price: $2000
★★★★☆
Offer: 20% off

Flipcart

Buy Now | Add to Cart | Price Comparison

User Reviews:
Amazon:
★★★☆☆
Flipcart:

Flipcart

Buy Now | Add to Cart | Price Comparison
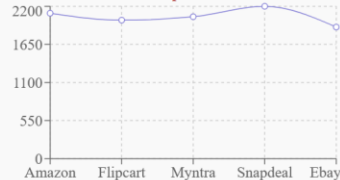
Price Comparison:

2200
1650
1100
550
0
Amazon Flipcart Myntra Snapdeal Ebay

Savings: $100
You could save $100 by buying from the cheapest source!

User Reviews:
Amazon:
★★★☆☆
Flipcart:
★★★★☆
Myntra:
★★★★★
Snapdeal:
★★★★☆
Ebay:
★★★☆☆

Product-3
Price: $1500
★★★★☆
Offer: 20% off

Myntra

Buy Now | Add to Cart | Price Comparison

User Reviews:
Amazon:
★★★☆☆
Flipcart:

Myntra

Buy Now | Add to Cart | Price Comparison
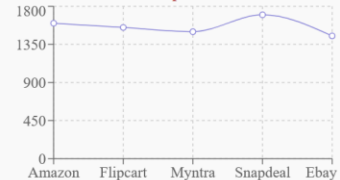
Price Comparison:

1800
1350
900
450
0
Amazon Flipcart Myntra Snapdeal Ebay

Savings: $50
You could save $50 by buying from the cheapest source!

User Reviews:
Amazon:
★★★☆☆
Flipcart:
★★★★☆
Myntra:
★★★☆☆
Snapdeal:
★★★★☆
Ebay:
★★★★★

Product-4
Price: $3000
★★★☆☆
Offer: 20% off
Snapdeal

| Buy Now | Add to Cart | Price Comparison |

User Reviews:
Amazon:
★★★★☆
Flipcart:
★★☆☆☆
Myntra:
★★★★☆
Snapdeal:
Snapdeal

| Buy Now | Add to Cart | Price Comparison |

Price Comparison:

Savings: $100
You could save $100 by buying from the cheapest source!
User Reviews:
Amazon:
★★★★☆
Flipcart:
★★☆☆☆
Myntra:
★★★★☆
Snapdeal:
★★★★☆
Ebay:
★★★☆☆

Product-5
Price: $4000
★★★☆☆
Offer: 20% off
Ebay

| Buy Now | Add to Cart | Price Comparison |

User Reviews:
Amazon:
★★★☆☆
Flipcart:
★★☆☆☆
Myntra:
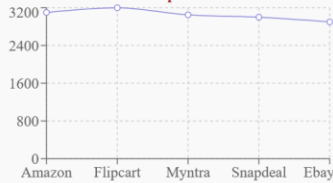★☆☆☆☆
Snapdeal:
Ebay

| Buy Now | Add to Cart | Price Comparison |

Price Comparison:

Savings: $200
You could save $200 by buying from the cheapest source!
User Reviews:
Amazon:
★★★☆☆
Flipcart:
★★☆☆☆
Myntra:
★☆☆☆☆
Snapdeal:
★★★★☆
Ebay:
★★★★★

Product-6
Price: $5000
★★☆☆☆
Offer: 20% off
Amazon

| Buy Now | Add to Cart | Price Comparison |

User Reviews:
Amazon:
★★★☆☆
Flipcart:
★★☆☆☆
Myntra:
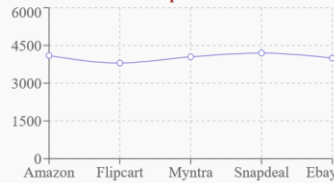★☆☆☆☆
Snapdeal:
Amazon

| Buy Now | Add to Cart | Price Comparison |

Price Comparison:

Savings: $100
You could save $100 by buying from the cheapest source!
User Reviews:
Amazon:
★★★☆☆
Flipcart:
★★☆☆☆
Myntra:
★☆☆☆☆
Snapdeal:
★★☆☆☆
Ebay:
★★★★☆

Best Footwears
Product-1 from Amazon is the best choice!
Average Rating: 2.4
Average Price: $1000

Watches

Product-1
Price: $500
★★★☆☆
Offer: 20% off

Product-2
Price: $4000
★★★★☆
Offer: 15% off

Product-3
Price: $6000
★★★☆☆
Offer: 20% off

Amazon

Buy Now | Add to Cart | Price Comparison

Price Comparison:

Savings: $20
You could save $20 by buying from the cheapest source!

User Reviews:
Amazon:
★★★☆☆
Flipcart:
★★★★★
Myntra:
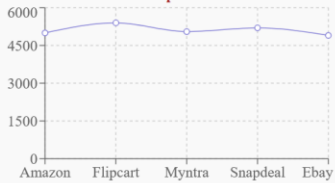★★☆☆☆
Snapdeal:
★★★☆☆
Ebay:
★★★★☆

Flipcart

Buy Now | Add to Cart | Price Comparison

Price Comparison:

Savings: $200
You could save $200 by buying from the cheapest source!

User Reviews:
Amazon:
★★★☆☆
Flipcart:
★★★★☆
Myntra:
★★★★★
Snapdeal:
★★★★☆
Ebay:
★★★☆☆

Myntra

Buy Now | Add to Cart | Price Comparison

Price Comparison:

Savings: $100
You could save $100 by buying from the cheapest source!

User Reviews:
Amazon:
★★★☆☆
Flipcart:
★★☆☆☆
Myntra:
★★★★☆
Snapdeal:
★☆☆☆☆
Ebay:
★★★☆☆

New Season

Product-4
Price: $12000
★★★☆☆
Offer: 20% off
snapdeal

Buy Now | Add to Cart | Price Comparison

User Reviews:
Amazon:
★★☆☆☆
Flipcart:
★★★☆☆
Myntra:
★★★★☆
Snapdeal:

Product-5
Price: $5500
★★★★☆
Offer: 20% off
Ebay

Buy Now | Add to Cart | Price Comparison

User Reviews:
Amazon:
★★★★☆
Flipcart:
★★★★★
Myntra:
★★★★☆
Snapdeal:

Product-6
Price: $9000
★★☆☆☆
Offer: 20% off
amazon

Buy Now | Add to Cart | Price Comparison

User Reviews:
Amazon:
★★★☆☆
Flipcart:
★★☆☆☆
Myntra:
★★★☆☆
Snapdeal:

Best Watches
Product-1 from Amazon is the best choice!
Average Rating: 3.4
Average Price: $500

Electronic-products

Product-1

Price: $80000

★★★☆☆

Offer: 10% off

Offer: 10% off

Amazon

| Buy Now | Add to Cart | Price Comparison |

User Reviews:
Amazon:
★★★★★
Flipcart:
★☆☆☆☆
Myntra:
★★★☆☆
Snapdeal:
★★☆☆☆
Ebay:
★★★★☆

Product-2

Price: $90000

★★★☆☆

Offer: 15% off

Offer: 15% off

Flipcart

| Buy Now | Add to Cart | Price Comparison |

User Reviews:
Amazon:
★★☆☆☆
Flipcart:
★★★☆☆
Myntra:
★★★★☆
Snapdeal:
★★★☆☆
Ebay:
★★☆☆☆

Product-3

Price: $1499

★★☆☆☆

Offer: 20% off

Offer: 20% off

Myntra

| Buy Now | Add to Cart | Price Comparison |

User Reviews:
Amazon:
★★☆☆☆
Flipcart:
★★★☆☆
Myntra:
★★☆☆☆
Snapdeal:
★★★☆☆
Ebay:
★★☆☆☆

Product-4

Price: $3000

★★☆☆☆

Offer: 20% off

Snapdeal

Buy Now | Add to Cart | Price Comparison

Price Comparison:

Amazon | Flipcart | Myntra | Snapdeal | Ebay

Savings: $100

You could save $100 by buying from the cheapest source!

User Reviews:

Amazon:

★☆☆☆☆

Flipcart:

★★☆☆☆

Myntra:

★★★☆☆

Snapdeal:

★★★★★

Ebay:

Product-5

Price: $7500

★★★★☆

Offer: 20% off

Ebay

Buy Now | Add to Cart | Price Comparison

Price Comparison:

Amazon | Flipcart | Myntra | Snapdeal | Ebay

Savings: $200

You could save $200 by buying from the cheapest source!

User Reviews:

Amazon:

★★★★☆

Flipcart:

★★★★★

Myntra:

★★★★☆

Snapdeal:

★★★★★

Ebay:

Product-6

Price: $9000

★★☆☆☆

Offer: 20% off

Amazon

Buy Now | Add to Cart | Price Comparison

Price Comparison:

Amazon | Flipcart | Myntra | Snapdeal | Ebay

Savings: $100

You could save $100 by buying from the cheapest source!

User Reviews:

Amazon:

★★★★☆

Flipcart:

★★☆☆☆

Myntra:

★★★☆☆

Snapdeal:

★★☆☆☆

Ebay:

Best Electronic-products

Product-3 from Myntra is the best choice!

Average Rating: 2.4

Average Price: $1499

Best Products Comparison

Footwears | Watches | Electronic-products

■ rating　■ price

Shopping Cart

Product-1

Rs.1000

| - | 0 | + |

🗑

Product-2

Rs.2000

| - | 0 | + |

🗑

Product-3

Rs.1500

| - | 0 | + |

🗑

Product-1

Rs.80000

- 1 +

🗑

Product-3

Rs.1499

- 1 +

🗑

Product-6

Rs.9000

- 1 +

🗑

Total: Rs.90499

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