

Travaux pratiques ReactJS

Exercice 1 a :

Exécuter le programme dans l'exercice 1 (dans le dossier nommé *1-before-shopper-ItemPage*) sans le modifier (on travaille dans le fichier index.js).

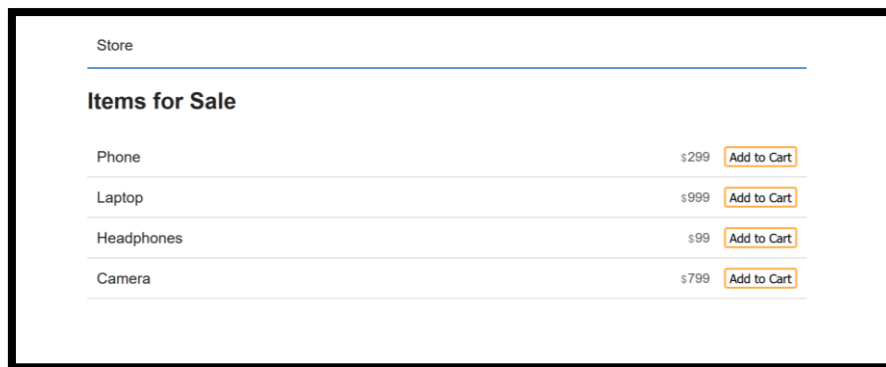
Exercice 1 b :

Modifier l'exercice 1 en ajoutant quelques fonctionnalités.

Composants à ajouter :

- ItemPage.js
- NavBar.js

Résultat attendu :



```
/* index.js */
import React from "react";
import ReactDOM from "react-dom";
import NavBar from "./NavBar";
import ItemPage from "./ItemPage";
import "./index.css";

const products = [
  { id: 1, name: "Phone", price: 299 },
  { id: 2, name: "Laptop", price: 999 },
  { id: 3, name: "Headphones", price: 99 },
  { id: 4, name: "Camera", price: 799 },
];

const App = () => (
  <div className="App">
    <NavBar />
    <main>
      <ItemPage items={products} />
    </main>
  </div>
);

ReactDOM.render(<App />, document.querySelector("#root"));

/* ItemPage.js */
```

```
import React from "react";

const ItemPage = ({ items }) => (
  <div className="ItemPage">
    <h2>Items for Sale</h2>
    {items.map(item => (
      <Item key={item.id} item={item} />
    ))}
  </div>
);

const Item = ({ item }) => (
  <li className="Item">
    {item.name}
    <span className="price">${item.price}</span>
    <button className="add">Add to Cart</button>
  </li>
);

export default ItemPage;

/* NavBar.js */
import React from "react";

const NavBar = () => (
  <nav>
    <ul>
      <li>Store</li>
    </ul>
  </nav>
);

export default NavBar;
```

Exercice 2 a:

Exécuter le programme dans l'exercice 2 (2-before-shopper-add-to-cart), sans le modifier.

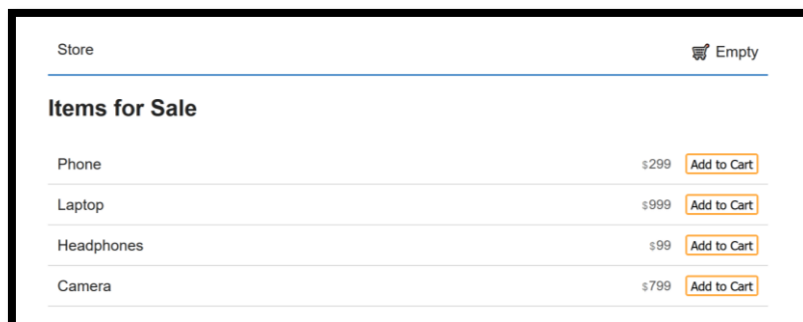
Exercice 2 b:

Modifier l'exercice 1 en ajoutant quelques fonctionnalités.

Composants à ajouter :

- CartPage.js

Résultat attendu :



```

/* index.js */
import React from 'react';
import ReactDOM from 'react-dom';
import ItemPage from './ItemPage';
import NavBar from './NavBar';
import './index.css';

const products = [
  { id: 1, name: 'Phone', price: 299 },
  { id: 2, name: 'Laptop', price: 999 },
  { id: 3, name: 'Headphones', price: 99 },
  { id: 4, name: 'Camera', price: 799 }
];

class App extends React.Component {
  state = {
    cart: []
  };

  handleAdd = item => {
    console.log(item);
    this.setState(prev => ({
      cart: [...prev.cart, item]
    }));
  };

  render() {
    return (
      <div className="App">
        <NavBar cartCount={this.state.cart.length} />
        <main>
          <ItemPage
            onAddToCart={this.handleAdd}
            items={products}
          />
        </main>
      </div>
    );
  }
}

ReactDOM.render(
  <App />,
  document.querySelector('#root')
);

```

```

/* CartPage.js */
import React from 'react';

const CartPage = () => <div>Shopping cart!</div>;

export default CartPage;

```

```

/* ItemPage.js */
import React from 'react';

const ItemPage = ({ items, onAddToCart }) => (
  <div className="ItemPage">

```

```

    <h2>Items for Sale</h2>
    {items.map(item => (
      <Item
        key={item.id}
        item={item}
        onAddToCart={onAddToCart}
      />
    ))}
  </div>
);

const Item = ({ item, onAddToCart }) => (
  <li className="Item">
    {item.name}
    <span className="price">${item.price}</span>
    <button
      className="add"
      onClick={() => onAddToCart(item)}
    >
      Add to Cart
    </button>
  </li>
);


```

```
export default ItemPage;
```

```
/* NavBar.js */
```

```
import React from 'react';
```

```

const NavBar = ({ cartCount }) => (
  <nav>
    <ul>
      <li>Store</li>
      <li className="cart-count">
        <span role="img" aria-label="items in cart">
          
        </span>{ ' '}
        {cartCount === 0 ? 'Empty' : cartCount}
      </li>
    </ul>
  </nav>
);

```

```
export default NavBar;
```