

## **REACT JS:**

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

// Define the data structures

const categories = [

  { name: "Birthday Gifts", gifts: [

    { name: "Candle Set", description: "A set of scented candles", price: 20, image:
"https://example.com/candles.jpg" },

    { name: "Jewelry Box", description: "A wooden jewelry box", price: 30, image:
"https://example.com/jewelry-box.jpg" },

  ]},

  { name: "Anniversary Gifts", gifts: [

    { name: "Photo Frame", description: "A wooden photo frame", price: 25, image:
"https://example.com/photo-frame.jpg" },

    { name: "Wine Glasses", description: "A set of two wine glasses", price: 35, image:
"https://example.com/wine-glasses.jpg" },

  ]}

];

// Define the Gift component

function Gift({ gift, onAddToCart }) {

  const { name, description, price, image } = gift;

  return (

    <div>

      <img src={image} alt={name} />

      <h2>{name}</h2>

      <p>{description}</p>

      <p>{price}</p>

      <button onClick={() => onAddToCart(gift)}>Add to Cart</button>

    </div>

  );
}
```

```
}
```

```
// Define the Category component
```

```
function Category({ category, onAddToCart }) {
```

```
  const { name, gifts } = category;
```

```
  return (
```

```
    <div>
```

```
      <h1>{name}</h1>
```

```
      {gifts.map(gift => <Gift key={gift.name} gift={gift} onAddToCart={onAddToCart} />)}
```

```
    </div>
```

```
  );
```

```
}
```

```
// Define the App component
```

```
function App() {
```

```
  const [cart, setCart] = useState([]);
```

```
  function addToCart(gift) {
```

```
    setCart([...cart, gift]);
```

```
  }
```

```
  return (
```

```
    <div>
```

```
      <h1>Gift Shop</h1>
```

```
      {categories.map(category => <Category key={category.name} category={category}
onAddToCart={addToCart} />)}
```

```
      <h2>Cart ({cart.length})</h2>
```

```
      <ul>
```

```
        {cart.map(gift => <li key={gift.name}>{gift.name} - ${gift.price}</li>)}
```

```
      </ul>
```

```
</div>
```

```
);
```

```
}
```

```
export default App;
```