

Case Study: Cloth Store Listing

Scenario

We are building a small Cloth Store Page where we display a list of clothes available in different sizes (S, M, L, XL) with price and description. If the store has no items, it will show "No Products Available".

Implementation Steps

1. Create an array of products with details → productId, productName, description, price, and sizes.
2. Check condition → if the array has products, display them in a table. Otherwise, display "No Products Available".
3. Use a loop (map) → to display each product row inside the table. 4. Show sizes inside each row → joined together like S, M, L, XL

Programs:

First.js:

```
import React from "react";  
import "../First.css"; //
```

```
const First = () => {  
  // Product Array  
  const products = [  
    {  
      productId: 101,  
      productName: "T-Shirt",  
      description: "Cotton material",  
      price: 499,  
      sizes: ["S", "M", "L", "XL"],  
    },  
    {
```

```
productId: 102,  
productName: "Jeans",  
description: "Slim fit denim",  
price: 1299,  
sizes: ["M", "L", "XL"],  
},  
{  
  productId: 103,  
  productName: "Jacket",  
  description: "Winter collection",  
  price: 2499,  
  sizes: ["L", "XL"],  
},  
];
```

```
return (  
  <div className="store-container">  
    <h2> Cloth Store Listing</h2>  
  
    {products.length === 0 ? (  
      <p className="no-products">No Products Available</p>  
    ) : (  
      <table className="product-table">  
        <thead>  
          <tr>  
            <th>Product ID</th>  
            <th>Product Name</th>  
            <th>Description</th>
```

```

        <th className="right">Price </th>
        <th>Available Sizes</th>
    </tr>
</thead>
<tbody>
    {products.map((product) => (
        <tr key={product.productId}>
            <td>{product.productId}</td>
            <td>{product.productName}</td>
            <td>{product.description}</td>
            <td className="right">{product.price}</td>
            <td>{product.sizes.join(", ")}</td>
        </tr>
    ))}
</tbody>
</table>
    )}
</div>
);
};

```

export default First;

First.css:

```

.store-container {
    padding: 20px;
    font-family: Arial, sans-serif;
}

```

```
h2 {  
  margin-bottom: 16px;  
  color: #333;  
}
```

```
.no-products {  
  color: red;  
  font-weight: bold;  
}
```

```
.product-table {  
  width: 100%;  
  border-collapse: collapse;  
}
```

```
.product-table th,  
.product-table td {  
  border: 1px solid #ccc;  
  padding: 10px;  
  text-align: left;  
}
```

```
.product-table th {  
  background-color: #f0f0f0;  
}
```

```
.product-table td.right,
```

```
.product-table th.right {  
  text-align: right;  
}
```

App.js:

```
import './App.css';  
import First from './components/First';
```

```
function App() {  
  return (  
    <div className="App">  
      <First />  
    </div>  
  );  
}
```

```
export default App;
```