

Week 7 - Challenge Yourself

```
JS App.js M MusicStore.jsx M ...
reactapp > src > components > MusicStore.jsx > ...
1 // WEEK 7 - CHALLENGE YOURSELF - MusicStore.jsx
2
3 import React, {useState} from 'react';
4 import 'bootstrap/dist/css/bootstrap.min.css';
5
6 const MusicStore = () => {
7   const [o, setO] = useState([
8     {id:1, n:"Acoustic Guitar", q:10, p:150},
9     {id:2, n:"Electric Keyboard", q:10, p:150},
10    {id:3, n:"Drum Set", q:10, p:150},
11  ]);
12
13  const [NO, setNO] = useState({n: '', q:'', p: ''});
14  const handleNOC = (e) => {
15    const {name, value} = e.target;
16    setNO({...NO, [name]:value});
17  };
18
19  const handleAO = () => {
20    if(!NO.n || !NO.q || !NO.p) {
21      alert("Please fill in all fields");
22      return;
23    }
24    const newId = Math.max(...o.map(or => or.id))+1;
25    const OTA = {
26      ...NO, id: newId, n:NO.n, q:parseInt(NO.q), p:parseFloat(NO.p)
27    };
28
29    setO([...o, OTA]);
30    setNO({n:'',q:'',p:''});
31  };
32
```

```

33     return(
34       <div className="container my-4">
35         <h1>Music Store Inventory</h1>
36         <Table className="table table-hover table-bordered card h-100 shadow-sm">
37           <thead className="table-warning">
38             <tr>
39               <th>ID</th>
40               <th>Instrument / Album</th>
41               <th>Quantity</th>
42               <th>Price ($)</th>
43             </tr>
44           </thead>
45           <tbody>
46             {o.map((or) => (
47               <tr>
48                 <td>{or.id}</td>
49                 <td>{or.n}</td>
50                 <td>{or.q}</td>
51                 <td>${or.p.toFixed(2)}</td>
52               </tr>
53             )))
54           </tbody>
55         </Table>
56         <h2>Add New Instrument</h2>
57         <div>
58           <div><input type="text" className="form-control" placeholder="Instrument / Album Name" name="n" value={NO.n} onChange={handleNOC}/></div>
59           <div><input type="number" className="form-control" placeholder="Quantity" name="q" value={NO.q} onChange={handleNOC}/></div>
60           <div><input type="number" className="form-control" placeholder="Price ($)" name="p" value={NO.p} onChange={handleNOC}/></div>
61           <div><button className="btn btn-warning w-100 fw-bold" onClick={handleAO}>Add Item</button></div>
62         </div>
63       );
64     );
65   };
66 
67   export default MusicStore;

```

JS App.js M X MusicStore.jsx M

```

reactapp > src > JS App.js > ...
1 // WEEK 7 - CHALLENGE YOURSELF - App.js
2
3 import React from 'react';
4 import MusicStore from './components/MusicStore';
5
6 function App() {
7   return(
8     <div className='App'>
9       <MusicStore/>
10     </div>
11   );
12 }
13
14 export default App;
15
16

```

Practice At Home 1

Bookstore.jsx M JS App.js M X JS App.test.js ind.html

```

reactapp > src > JS App.js > ...
1 // WEEK 7 - PRACTICE AT HOME 1 - App.js
2
3 import React from 'react';
4 import BookOrd from './components/Bookstore';
5
6 function App() {
7   return (
8     <div className='App'>
9       <BookOrd/>
10     </div>
11   );
12 }
13
14 export default App;

```

```
Bookstore.jsx M X JS App.js M JS App.test.js ind.html
reactapp > src > components > Bookstore.jsx > BookOrd > handleAO > OTA
1 // WEEK 7 - PRACTICE AT HOME 1 - Bookstore.jsx
2
3 import React, {useState} from 'react';
4 import 'bootstrap/dist/css/bootstrap.min.css';
5
6 const BookOrd = () => {
7     const [o, setO] = useState([
8         {id: 1, t:'The Great Gatsby', a:'Scott', s: 12, p: 10.5},
9         {id: 2, t:'1984', a:'Scott', s: 12, p: 10.5},
10        {id: 3, t:'To Kill a Mockingbird', a:'Scott', s: 12, p: 10.5},
11    ]);
12
13    const [NO, setNO] = useState({t:'',a:'',s:'',p:''});
14
15    const handleNOC = (e) => {
16        const {name, value} = e.target;
17        setNO({...NO, [name]:value});
18    }
19
20    const handleAO = () => {
21        if(!NO.t || !NO.a || !NO.s || !NO.p) {
22            alert("Please fill in all fields");
23            return;
24        }
25
26        const newId = Math.max(...o.map(or => or.id)) + 1;
27        const OTA = [
28            ...NO, id: newId, t: NO.t, a: NO.a,
29            s: parseInt(NO.s), p: parseFloat(NO.p)
30        ];
31        setO([...o, OTA]);
32        setNO({t:'',a:'',s:'',p:''});
33    }
34
35    return (
36        <div className="container my-5">
37            <h1>Bookstore Inventory</h1>
38            <p>Manage your book collection with ease</p>
39            <h2>Available Books</h2>
40            <table className="card h-100 shadow-sm">
41                <tbody>
42                    {o.map((or)=>(
43                        <tr>
44                            <td>{or.id}</td>
45                            <td>{or.t}</td>
46                            <td>{or.a}</td>
47                            <td>{or.s}</td>
48                            <td>${or.p.toFixed(2)}</td>
49                        </tr>
50                    ))
51                </tbody>
52            </table>
53            <h2>Add a New Book</h2>
54            <div>
55                <div><input type="text" className="form-control" placeholder="Book Title" name="t" value={NO.t} onChange={handleNOC}/></div>
56                <div><input type="text" className="form-control" placeholder="Author" name="a" value={NO.a} onChange={handleNOC}/></div>
57                <div><input type="number" className="form-control" placeholder="Stock" name="s" value={NO.s} onChange={handleNOC}/></div>
58                <div><input type="number" className="form-control" placeholder="Price ($)" name="p" value={NO.p} onChange={handleNOC}/></div>
59                <div><button class="btn btn-success w-100" onClick={handleAO}>Add Book</button></div>
60            </div>
61        </div>
62    );
63 };
64
65 export default BookOrd;
```

Type the Code

```

reactapp > src > components > MedicalShop.jsx > MedOrd
1 // WEEK 7 - TYPE THE CODE - Medicalshop.jsx
2
3 import React, {useState} from 'react';
4 import 'bootstrap/dist/css/bootstrap.min.css';
5
6 const MedOrd = () => {
7   const [o, setO] = useState([
8     {id:1, n: 'Paracetamol', q: 50, p: 2.5},
9     {id:2, n: 'Aspirin', q: 30, p: 3},
10    {id:3, n: 'Band-Aid', q: 100, p: 1}
11  ]);
12
13  const [NO, setNO] = useState({n: '', q: '', p: ''});
14
15  const handleNOC = (e) => {
16    const {name,value} = e.target;
17    setNO({...NO, [name]:value});
18  };
19
20  const handleAO = () => {
21    if(NO.n || !NO.q || !NO.p) {
22      alert("Please fill in all fields");
23      return;
24    }
25
26    const newId = Math.max(...o.map(or => or.id)) + 1;
27    const OTA = {
28      ...o, id: newId, n: NO.n, q: parseInt(NO.q), p: parseFloat(NO.p)
29    };
30
31    setO([...o, OTA]);
32    setNO({n: '', q: '', p: ''});
33  };
34

```

```

reactapp > src > components > MedicalShop.jsx > MedOrd
35   return (
36     <div className='container my-4'>
37       <h1>Medical Shop Inventory</h1>
38       <table className='table table-striped table-bordered'>
39         <thead>
40           <tr>
41             <th>ID</th>
42             <th>Name</th>
43             <th>Quantity</th>
44             <th>Price</th>
45           </tr>
46         </thead>
47         <tbody>
48           { o.map((or) => (
49             <tr>
50               <td>{or.id}</td>
51               <td>{or.n}</td>
52               <td>{or.q}</td>
53               <td>{or.p}</td>
54             </tr>
55           ))
56         </tbody>
57       </table>
58       <h2>Add New Medicine</h2>
59       <div>
60         <div><input type="text" className="form-control" placeholder="Name" name="n" value={NO.n} onChange={handleNOC}/></div>
61         <div><input type="number" className="form-control" placeholder="Quantity" name="q" value={NO.q} min="1" onChange={handleNOC}/></div>
62         <div><input type="number" className="form-control" placeholder="Price" name="p" value={NO.p} min="0" step="0.01" onChange={handleNOC}/></div>
63         <div><button className="btn btn-success w-100" onClick={handleAO}>Add Medicine</button></div>
64       </div>
65     );
66   };
67
68 export default Medord;

```

```

reactapp > src > JS App.js > ...
1 // WEEK 7 - TYPE THE CODE - App.js
2
3 import React from 'react';
4 import MedOrd from './components/MedicalShop';
5
6 function App() {
7   return (
8     <div className='App'>
9       <MedOrd/>
10    </div>
11  )
12}
13
14 export default App;

```

Fix the Code

```
FoodOrder.jsx M | JS App.test.js | JS App.js
reactapp > src > components > FoodOrder.jsx > FoodOrder
1 import React, { useState } from 'react';
2 import 'bootstrap/dist/css/bootstrap.min.css';
3
4 const FoodOrder = () => {
5   const [orders, setOrders] = useState([
6     { id: 1, item: 'Burger', quantity: 2, price: 150 },
7     { id: 2, item: 'Pizza', quantity: 1, price: 300 },
8     { id: 3, item: 'Pasta', quantity: 3, price: 200 },
9   ]);
10
11 const [newOrder, setNewOrder] = useState({
12   item: '',
13   quantity: '',
14   price: '',
15 });
16
17 const handleNewOrderChange = (e) => {
18   const { name, value } = e.target;
19   setNewOrder({ ...newOrder, [name]: value });
20 };
21
22 const handleAddOrder = () => {
23   if (!newOrder.item || !newOrder.quantity || !newOrder.price) {
24     alert('Please fill in all fields');
25     return;
26   }
27
28   const newId = Math.max(...orders.map(order => order.id)) + 1;
29   const orderToAdd = {
30     ...newOrder,
31     id: newId,
32     item: newOrder.item,
33     quantity: parseInt(newOrder.quantity),
34     price: parseFloat(newOrder.price),
35   };
36
37   setOrders([...orders, orderToAdd]);
38   setNewOrder({
39     item: '',
40     quantity: '',
41     price: '',
42   });
43 };
44
45 return (
46   <div className="container my-4">
47     <h1 className="text-primary text-center mb-4">Food Order Management</h1>
48     <table className="table table-striped table-bordered">
49       <thead>
50         <tr>
51           <th>ID</th>
52           <th>Food Item</th>
53           <th>Quantity</th>
54           <th>Price ($)</th>
55         </tr>
56       </thead>
57       <tbody>
58         {orders.map((order) => (
59           <tr>
60             <td>{order.id}</td>
61             <td>{order.item}</td>
62             <td>{order.quantity}</td>
63             <td>{order.price}</td>
64           </tr>
65         )));
66       </tbody>
67     </table>
68     <br />
69   </div>
70 );
```

```
70
71     <h2 className="text-success text-center mt-5 mb-3">Add New Food Order</h2>
72     <div className="row g-3">
73         <div className="col-md-4">
74             <input
75                 type="text"
76                 className="form-control"
77                 placeholder="Food Item"
78                 name="item"
79                 value={newOrder.item}
80                 onChange={handleNewOrderChange}
81             />
82         </div>
83         <div className="col-md-3">
84             <input
85                 type="number"
86                 className="form-control"
87                 placeholder="Quantity"
88                 name="quantity"
89                 value={newOrder.quantity}
90                 onChange={handleNewOrderChange}
91                 min="1"
92             />
93         </div>
94         <div className="col-md-3">
95             <input
96                 type="number"
97                 className="form-control"
98                 placeholder="Price ($)"
99                 name="price"
100                value={newOrder.price}
101               onChange={handleNewOrderChange}
102               step=".1"
103               min="0"
104           />
105       </div>
```

```
104           <input
105               type="number"
106               onChange={handleNewOrderChange}
107               step=".1"
108               min="0"
109           />
110           <div className="col-md-2">
111               <button
112                   className="btn btn-success w-100"
113                   onClick={handleAddOrder}
114               >
115                   Add Order
116               </button>
117           </div>
118       </div>
119   );
120 }
121
122 export default FoodOrder;
```