

## TYPE THE CODE:

```
import React, { useState } from "react";
import "bootstrap/dist/css/bootstrap.min.css";

function MedicalShop() {
  const [inventory, setInventory] = useState([
    { id: 1, name: "Paracetamol", quantity: 50, price: 2.5 },
    { id: 2, name: "Aspirin", quantity: 30, price: 3 },
    { id: 3, name: "Band-Aid", quantity: 100, price: 1 },
  ]);

  const [newMedicine, setNewMedicine] = useState({
    name: "",
    quantity: "",
    price: ""
  });

  const [editingId, setEditingId] = useState(null);

  const handleChange = (e) => {
    const { name, value } = e.target;
    setNewMedicine({ ...newMedicine, [name]: value });
  };

  const addOrUpdateMedicine = () => {
    const { name, quantity, price } = newMedicine;
    if (name.trim() === "" || quantity === "" || price === "") {
      alert("Please fill in all fields");
      return;
    }

    if (editingId !== null) {
      setInventory(
        inventory.map((item) =>
          item.id === editingId
            ? {
                ...item,
                name,
                quantity: parseInt(quantity, 10),
                price: parseFloat(price),
              }
            : item
        )
      );
      setEditingId(null);
    } else {
      const newEntry = {
        id: Math.max(...inventory.map((item) => item.id), 0) + 1,
        name,
        quantity: parseInt(quantity, 10),
        price: parseFloat(price),
      };
      setInventory([...inventory, newEntry]);
    }
  };
}
```

```
        quantity: parseInt(quantity, 10),
        price: parseFloat(price),
    };
    setInventory([...inventory, newEntry]);
}

setNewMedicine({ name: "", quantity: "", price: "" });
};

const deleteMedicine = (id) => {
    setInventory(inventory.filter((item) => item.id !== id));
};

const editMedicine = (item) => {
    setNewMedicine({
        name: item.name,
        quantity: item.quantity,
        price: item.price,
    });
    setEditingId(item.id);
};

return (
    <div className="container my-4">
        <h1 className="text-primary mb-4">Medical Shop Inventory</h1>
        <table className="table table-striped table-bordered">
            <thead className="table-dark">
                <tr>
                    <th>ID</th>
                    <th>Name</th>
                    <th>Quantity</th>
                    <th>Price (₹)</th>
                    <th>Actions</th>
                </tr>
            </thead>
            <tbody>
                {inventory.map((item) => (
                    <tr key={item.id}>
                        <td>{item.id}</td>
                        <td>{item.name}</td>
                        <td>{item.quantity}</td>
                        <td>{item.price}</td>
                        <td>
                            <button
                                className="btn btn-warning btn-sm me-2"
                                onClick={() => editMedicine(item)}
                            >
                                Edit
                            </button>
                            <button
                                className="btn btn-danger btn-sm"
                                onClick={() => deleteMedicine(item.id)}
                            >
                                Delete
                            </button>
                        </td>
                    </tr>
                ))}
            </tbody>
        </table>
    </div>
);
```

```

>
Delete
</button>
</td>
</tr>
))}
</tbody>
</table>

<h2 className="text-success mt-4">
{editingId !== null ? "Update Medicine" : "Add New Medicine"}
</h2>
<div className="row g-3 mt-2">
<div className="col-md-4">
<input
type="text"
className="form-control"
placeholder="Name"
name="name"
value={newMedicine.name}
onChange={handleChange}
/>
</div>
<div className="col-md-4">
<input
type="number"
className="form-control"
placeholder="Quantity"
name="quantity"
min="0"
value={newMedicine.quantity}
onChange={handleChange}
/>
</div>
<div className="col-md-4">
<input
type="number"
className="form-control"
placeholder="Price"
name="price"
min="0"
step="0.01"
value={newMedicine.price}
onChange={handleChange}
/>
</div>
<div className="col-12">
<button
className={`btn w-100 ${editingId !== null ? "btn-warning" : "btn-success"}`}
onClick={addOrUpdateMedicine}
>

```

```

{editingId !== null ? "Update Medicine" : "Add Medicine"}
</button>
</div>
</div>
</div>
);
}

export default MedicalShop;

```

## FIX THE CODE:

```

import React, { useState } from 'react';
import 'bootstrap/dist/css/bootstrap.min.css';

const FoodOrder = () => {
  const [orders, setOrders] = useState([
    { id: 1, item: 'Burger', quantity: 2, price: 150 },
    { id: 2, item: 'Pizza', quantity: 1, price: 300 },
    { id: 3, item: 'Pasta', quantity: 3, price: 200 },
  ]);

  const [newOrder, setNewOrder] = useState({
    item: '',
    quantity: '',
    price: '',
  });

  const handleNewOrderChange = (e) => {
    const { name, value } = e.target;
    setNewOrder({ ...newOrder, [name]: value });
  };

  const handleAddOrder = () => {
    if (!newOrder.item || !newOrder.quantity || !newOrder.price) {
      alert('Please fill in all fields');
      return;
    }
  }

  const newId = orders.length > 0 ? Math.max(...orders.map(order => order.id)) + 1 : 1;

  const orderToAdd = {
    id: newId,
    item: newOrder.item,
    quantity: parseInt(newOrder.quantity),
    price: parseFloat(newOrder.price),
  };
}

```

```

    setOrders([...orders, orderToAdd]);
    setNewOrder({ item: "", quantity: "", price: "" });
};

return (
  <div className="container my-4">
    <h1 className="text-primary text-center mb-4">Food Order Management</h1>

    <table className="table table-striped table-bordered">
      <thead>
        <tr>
          <th>ID</th>
          <th>Food Item</th>
          <th>Quantity</th>
          <th>Price ($)</th>
        </tr>
      </thead>
      <tbody>
        {orders.map((order) => (
          <tr key={order.id}>
            <td>{order.id}</td>
            <td>{order.item}</td>
            <td>{order.quantity}</td>
            <td>{order.price}</td>
          </tr>
        )))
      </tbody>
    </table>
    <hr />

    <h2 className="text-success text-center mt-5 mb-3">Add New Food Order</h2>
    <div className="row g-3">
      <div className="col-md-4">
        <input
          type="text"
          className="form-control"
          placeholder="Food Item"
          name="item"
          value={newOrder.item}
          onChange={handleNewOrderChange}
        />
      </div>
      <div className="col-md-3">
        <input
          type="number"
          className="form-control"
          placeholder="Quantity"
          name="quantity"
          value={newOrder.quantity}
          onChange={handleNewOrderChange}
          min="1"
        />
      </div>
    </div>
  </div>
)

```

```

        />
    </div>
    <div className="col-md-3">
        <input
            type="number"
            className="form-control"
            placeholder="Price ($)"
            name="price"
            value={newOrder.price}
            onChange={handleNewOrderChange}
            step="0.1"
            min="0"
        />
    </div>
    <div className="col-md-2">
        <button
            className="btn btn-success w-100"
            onClick={handleAddOrder}
        >
            Add Order
        </button>
    </div>
</div>
);
};

export default FoodOrder;

```

## Practice at Home:

```

import React, { useState } from 'react';

const Bookstore = () => {
    const [inventory, setInventory] = useState([
        { id: 1, title: 'The Great Gatsby', author: 'F. Scott Fitzgerald', stock: 12, price: 10.5 },
        { id: 2, title: '1984', author: 'George Orwell', stock: 8, price: 9.0 },
        { id: 3, title: 'To Kill a Mockingbird', author: 'Harper Lee', stock: 15, price: 12.0 },
    ]);
}

const [newBook, setNewBook] = useState({
    title: '',
    author: '',
    stock: '',
    price: '',
});

const handleChange = (e) => {

```

```

const { name, value } = e.target;
setNewBook({ ...newBook, [name]: value });
};

const handleAddBook = () => {
  const { title, author, stock, price } = newBook;

  if (!title || !author || !stock || !price) {
    alert('Please fill in all fields');
    return;
  }

  const newEntry = {
    id: inventory.length + 1,
    title,
    author,
    stock: parseInt(stock, 10),
    price: parseFloat(price),
  };
}

setInventory([...inventory, newEntry]);
setNewBook({ title: "", author: "", stock: "", price: "" });
};

return (
  <div className="container my-5">
    <h2 className="text-center text-primary">Bookstore Inventory</h2>
    <p className="text-center text-muted">Manage your book collection with ease</p>

    <h4 className="text-success mt-4">Available Books</h4>
    <div className="row mt-3">
      {inventory.map((book) => (
        <div key={book.id} className="col-md-4 mb-3">
          <div className="card h-100 shadow-sm p-3">
            <h5 className="text-primary">{book.title}</h5>
            <p className="text-muted">by {book.author}</p>
            <p><strong>Stock:</strong> {book.stock}</p>
            <p><strong>Price:</strong> ${book.price.toFixed(2)}</p>
            <span className="badge bg-info text-dark">ID: {book.id}</span>
          </div>
        </div>
      ))}
    </div>
    <h4 className="text-success mt-4">Add a New Book</h4>
    <div className="card p-3 shadow-sm">
      <div className="row g-2">
        <div className="col-md-3">
          <input
            type="text"
            name="title"
            value={newBook.title}
          >
        </div>
      </div>
    </div>
  </div>
)
);

```

```
        onChange={handleChange}
        placeholder="Book Title"
        className="form-control"
      />
    </div>
    <div className="col-md-3">
      <input
        type="text"
        name="author"
        value={newBook.author}
        onChange={handleChange}
        placeholder="Author"
        className="form-control"
      />
    </div>
    <div className="col-md-2">
      <input
        type="number"
        name="stock"
        value={newBook.stock}
        onChange={handleChange}
        placeholder="Stock"
        className="form-control"
        min="0"
      />
    </div>
    <div className="col-md-2">
      <input
        type="number"
        name="price"
        value={newBook.price}
        onChange={handleChange}
        placeholder="Price ($)"
        className="form-control"
        min="0"
        step="0.01"
      />
    </div>
    <div className="col-md-2">
      <button
        className="btn btn-success w-100"
        onClick={handleAddBook}
      >
        Add Book
      </button>
    </div>
  </div>
</div>
);
};
```

```
export default Bookstore;
```

## Challenge Yourself:

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

const MusicStore = () => {
  const [inventory, setInventory] = useState([
    { id: 1, name: 'Acoustic Guitar', quantity: 10, price: 150 },
    { id: 2, name: 'Electric Keyboard', quantity: 5, price: 300 },
    { id: 3, name: 'Drum Set', quantity: 3, price: 500 },
  ]);
  const [newItem, setNewItem] = useState({ name: "", quantity: "", price: "" });

  const handleChange = (e) => {
    const { name, value } = e.target;
    setNewItem({ ...newItem, [name]: value });
  };

  const handleAddItem = () => {
    const { name, quantity, price } = newItem;
    if (!name || !quantity || !price) {
      alert('Please fill in all fields');
      return;
    }
    const newEntry = {
      id: Math.max(...inventory.map((item) => item.id)) + 1,
      name,
      quantity: parseInt(quantity, 10),
      price: parseFloat(price),
    };
    setInventory([...inventory, newEntry]);
    setNewItem({ name: "", quantity: "", price: "" });
  };

  return (
    <div className="container my-4">
      <h2 className="text-center text-warning mb-4">Music Store Inventory</h2>

      <table className="table table-bordered table-hover shadow-sm">
```

```

<thead className="table-warning">
  <tr>
    <th>ID</th>
    <th>Instrument / Album</th>
    <th>Quantity</th>
    <th>Price ($)</th>
  </tr>
</thead>
<tbody>
  {inventory.map((item) => (
    <tr key={item.id}>
      <td>{item.id}</td>
      <td>{item.name}</td>
      <td>{item.quantity}</td>
      <td>${item.price.toFixed(2)}</td>
    </tr>
  )))
</tbody>
</table>

<div className="card p-3 shadow-sm">
  <div className="row g-2">
    <div className="col-md-4">
      <input
        type="text"
        name="name"
        value={newItem.name}
        onChange={handleChange}
        placeholder="Instrument / Album Name"
        className="form-control"
      />
    </div>
    <div className="col-md-3">
      <input
        type="number"
        name="quantity"
        value={newItem.quantity}
        onChange={handleChange}
        placeholder="Quantity"
        className="form-control"
        min="0"
      />
    </div>
    <div className="col-md-3">
      <input
        type="number"
        name="price"
        value={newItem.price}
      />
    </div>
  </div>
</div>

```

```
        onChange={handleChange}
        placeholder="Price ($)"
        className="form-control"
        min="0"
        step="0.01"
      />
    </div>
    <div className="col-md-2">
      <button
        className="btn btn-warning w-100 fw-bold"
        onClick={handleAddItem}
      >
        Add Item
      </button>
    </div>
  </div>
</div>
);
};

export default MusicStore;
```