**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]);

}

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>

<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 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>

    </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}

                            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>

        </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}

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>

</div>

);

};

export default MusicStore;