// src/components/SearchFilter.jsx

import React, { useState } from 'react';

import { TextField, Paper, Typography, List, ListItem, Divider, Button } from '@mui/material';

const SearchFilter = () => {

const [searchTerm, setSearchTerm] = useState('');

const [stockItems, setStockItems] = useState([

{ id: 1, name: 'Apple', price: 10.99, quantity: 15 },

{ id: 2, name: 'Laptop', price: 7.50, quantity: 8 },

{ id: 3, name: 'Mobile', price: 22.10, quantity: 12 },

]);

const handleSearch = (e) => {

setSearchTerm(e.target.value);

};

const filteredItems = stockItems.filter(item =>

item.name.toLowerCase().includes(searchTerm.toLowerCase())

);

const handleAddItem = () => {

const newItem = { id: stockItems.length + 1, name: Car ${stockItems.length + 1}, price: Math.random() \* 30, quantity: Math.floor(Math.random() \* 20) + 1 };

setStockItems([...stockItems, newItem]);

};

return (

<Paper elevation={3} style={{ padding: '20px' }}>

<TextField

label="Search Stock Items"

fullWidth

value={searchTerm}

onChange={handleSearch}

variant="outlined"

margin="normal"

/>

{/\* Display filtered results \*/}

<List style={{ marginTop: '20px', maxHeight: '200px', overflowY: 'auto' }}>

{filteredItems.length === 0 ? (

<ListItem>

<Typography>No items found</Typography>

</ListItem>

) : (

filteredItems.map((item) => (

<div key={item.id}>

<ListItem>

<Typography>

{item.name} - ${item.price.toFixed(2)} (Qty: {item.quantity})

</Typography>

</ListItem>

<Divider />

</div>

))

)}

</List>

{/\* Button to add a new item for testing \*/}

<Button variant="contained" color="primary" onClick={handleAddItem} style={{ marginTop: '20px' }}>

Add Random Item

</Button>

</Paper>

);

};

export default SearchFilter;