EXP-3.2:
Library Management UI with Search, Add, and Remove Book Functionality:

```jsx
import React, { useState } from "react";

function LibraryApp() {
  const [books, setBooks] = useState([
    { id: 1, title: "The Great Gatsby", author: "F. Scott Fitzgerald" },
    { id: 2, title: "To Kill a Mockingbird", author: "Harper Lee" },
    { id: 3, title: "1984", author: "George Orwell" },
  ]);

  const [searchTerm, setSearchTerm] = useState("");
  const [newBook, setNewBook] = useState({ title: "", author: "" });

  // Filtered books based on search
  const filteredBooks = books.filter(
    (book) =>
      book.title.toLowerCase().includes(searchTerm.toLowerCase()) ||
      book.author.toLowerCase().includes(searchTerm.toLowerCase())
  );

  // Add book
  const addBook = () => {
    if (!newBook.title || !newBook.author) return;
    setBooks([
      ...books,
      { id: Date.now(), title: newBook.title, author: newBook.author },
    ]);
    setNewBook({ title: "", author: "" });
  };

  // Remove book
  const removeBook = (id) => {
    setBooks(books.filter((book) => book.id !== id));
  };

  return (
    <div className="min-h-screen bg-gray-100 flex flex-col items-center p-8">
      <h1 className="text-3xl font-bold mb-6">📚 Library Management</h1>

      {/* Search Bar */}
      <input
```

```jsx
          type="text"
          placeholder="Search books..."
          value={searchTerm}
          onChange={(e) => setSearchTerm(e.target.value)}
          className="mb-4 w-96 px-4 py-2 border rounded-lg shadow-sm focus:ring
focus:ring-blue-300"
        />

      {/* Book List */}
      <div className="w-96 bg-white rounded-xl shadow-lg p-4 mb-6">
        <h2 className="text-xl font-semibold mb-3">Available Books</h2>
        {filteredBooks.length > 0 ? (
          <ul>
            {filteredBooks.map((book) => (
              <li
                key={book.id}
                className="flex justify-between items-center border-b py-2"
              >
                <div>
                  <p className="font-medium">{book.title}</p>
                  <p className="text-sm text-gray-500">{book.author}</p>
                </div>
                <button
                  onClick={() => removeBook(book.id)}
                  className="px-3 py-1 bg-red-500 text-white rounded-lg hover:bg-red-
600"
                >
                  Remove
                </button>
              </li>
            ))}
          </ul>
        ) : (
          <p className="text-gray-500">No books found</p>
        )}
      </div>

      {/* Add Book */}
      <div className="w-96 bg-white rounded-xl shadow-lg p-4">
        <h2 className="text-xl font-semibold mb-3">Add New Book</h2>
        <input
          type="text"
          placeholder="Book title"
          value={newBook.title}
```

```jsx
          onChange={(e) => setNewBook({ ...newBook, title: e.target.value })}
          className="w-full mb-2 px-4 py-2 border rounded-lg shadow-sm
focus:ring focus:ring-green-300"
        />
        <input
          type="text"
          placeholder="Author"
          value={newBook.author}
          onChange={(e) => setNewBook({ ...newBook, author: e.target.value })}
          className="w-full mb-2 px-4 py-2 border rounded-lg shadow-sm
focus:ring focus:ring-green-300"
        />
        <button
          onClick={addBook}
          className="w-full py-2 bg-green-600 text-white rounded-lg hover:bg-
green-700"
        >
          Add Book
        </button>
      </div>
    </div>
  );
}

export default LibraryApp;
```

OUTPUTS:

📚 Library Management

Search books...

Available Books

The Great Gatsby
F. Scott Fitzgerald

Remove

To Kill a Mockingbird
Harper Lee

Remove

1984
George Orwell

Remove

Add New Book

Book title

Author

Add Book