**Assignment-8**

**Question:**

You’re building a React app for a small local library. This app will allow users to search for books and track their reading list.

1. **Book Search Component**: Create a search bar component that allows users to type in the name of a book. Display a list of book suggestions below the search bar as the user types (use an array of predefined book names).
2. **Add to Reading List**: Each book suggestion should have an “Add to Reading List” button. When clicked, it should add the book to a separate “Reading List” component.
3. **Reading List Component**: Display the books the user has added to their reading list in a separate component. Each book in the reading list should have a “Remove” button that removes it from the list.
4. **Clear All Button**: Add a “Clear All” button that removes all books from the reading list when clicked.

Write the React code for this app. Use useState to manage the state for the search input and reading list, and add comments to explain each component and its functionality.

For reference, links to helpful React resources are provided:

* MDN Web Docs - <https://developer.mozilla.org/en-US/docs/Learn/Tools_and_testing/Client-side_JavaScript_frameworks/React_getting_started>
* W3Schools React Basics - https://www.w3schools.com/react/