

Exercise 6: React Component

Objectives and Outcomes

A React component is a reusable building block in React, a popular JavaScript library for building user interfaces. React components are the fundamental units of a React application and are responsible for encapsulating UI logic and rendering elements on the screen. By the end of this exercise, you should have a good understanding of React components and how to create and use them in your applications.

Exercises

1. Create a to-do list application with add and delete functionality.
-

List of Items

List of Items

React

2. Create a calculator that can perform basic arithmetic operations (addition, subtraction, multiplication, and division) .

First:

Second:

Operator:

+ ▼

Compute

Result:

+	-	×	÷	
7	8	9	=	
4	5	6		
1	2	3		
0	.	AC		

3. Build Search filter in React

Search:

React
NodeJs
MongoDB
Express
Angular
VueJs

Search:

React
Express
Angular

Hint:

- Declare React component states for search input values.
- Create HTML input text for entering search term and update state in onChange function.
- Add Array.filter() on list of items with search term value.

Conclusion

After learning about React components, you should now have a solid understanding of how to create and use them in your React applications.