

React Js

1. Introduction to React

- What is React? Why use it?
- Setting up React with create-react-app
- Understanding the basic file structure

2. JSX (JavaScript XML)

- Writing JSX: JavaScript + HTML
- How JSX differs from HTML
- Rendering JSX in React components

3. Components

- What are React components?
- Functional components
- Class components (optional but useful for understanding older code)

4. Props (Properties)

- What are props in React?
- Passing props from parent to child components
- Using props in components

5. State

- What is state in React?
- Using useState in functional components
- Updating state and re-rendering components

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6. Event Handling

- Handling user inputs: `onClick`, `onChange`, etc.
- Binding events and using arrow functions

7. Conditional Rendering

- Rendering components based on conditions
- Using `if` statements or ternary operators for conditions

8. Lists and Keys

- Rendering lists of items dynamically
- Using `.map()` to create elements
- The importance of keys in lists

9. Forms

- Controlled components (handling form input)
- Managing form state

10. React Hooks (Functional Components)

- Introduction to React Hooks
- `useState`, `useEffect` for side effects (e.g., data fetching)