

React Js Roadmap

Here is step by step roadmap →



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1.Components

- Functional Components.
- Class Components.
- JSX (JavaScript XML) Syntax.

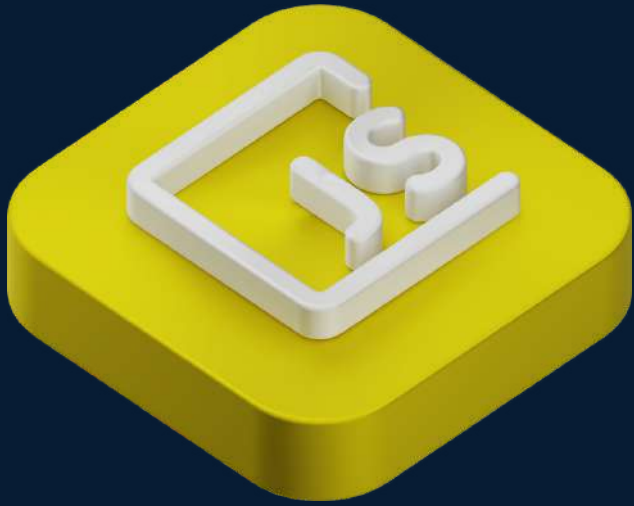
2.Props (Properties)

- Passing Props.
- Default Props.
- Prop Types.



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3.State

- useState Hook
- Class Component State
- Immutable State

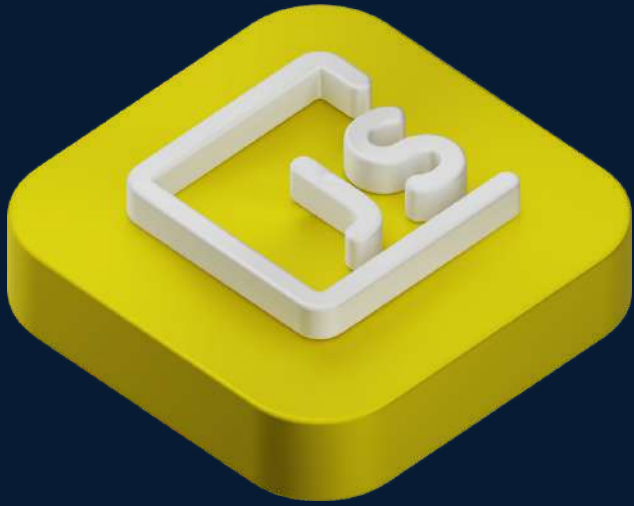
4.Lifecycle Methods (Class Components)

- componentDidMount
- componentDidUpdate
- componentWillUnmount



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5.Hooks (Functional Components)

- useState
- useEffect
- useContext
- useReducer
- useCallback
- useMemo
- useRef
- useImperativeHandle
- useEffect



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6.Event Handling

- Handling Events in Functional Components
- Handling Events in Class Components

7.Conditional Rendering

- if Statements
- Ternary Operators
- Logical && Operator



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8. Lists and Keys

- Rendering Lists
- Keys in React Lists

9. Component Composition

- Reusing Components
- Children Props
- Composition vs Inheritance

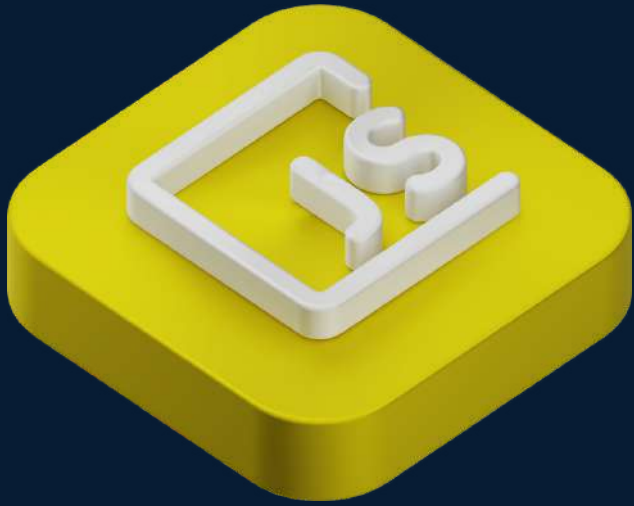
10. HOC

- Creating HOCs
- Using HOCs for Reusability



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11. React Router

- `<BrowserRouter>`
- `<Route>`
- `Link`
- `<Switch>`
- Route Parameters

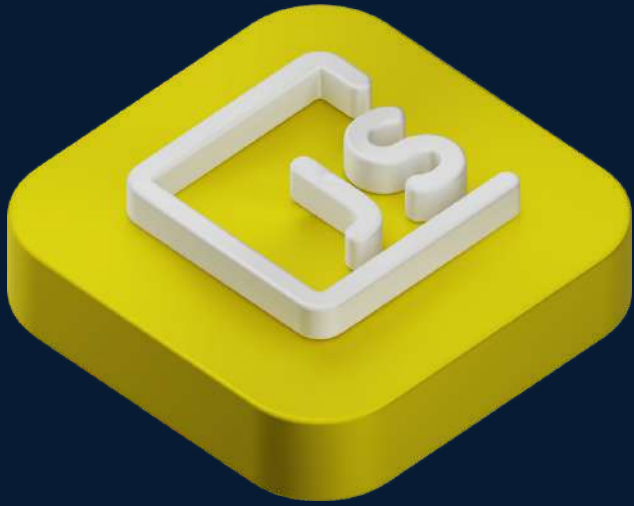
12. Navigation

- `useHistory` Hook
- `useLocation` Hook



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13.Context API & Redux

- Creating Context
- useContext Hook
- Actions
- Reducers
- Store
- connect Function (React-Redux)

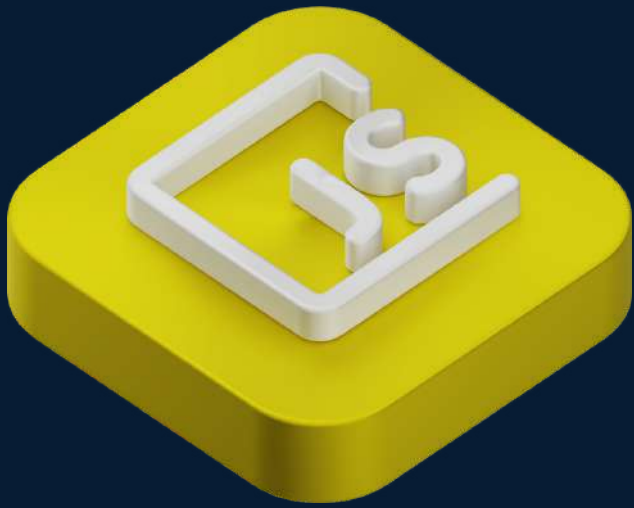
14.Forms

- Handling Form Data
- Controlled Components
- Uncontrolled Components



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15.Side Effects

- useEffect for Data Fetching
- useEffect Cleanup

16.AJAX Requests

- Fetch API
- Axios Library

17.Optimization

- Memoization
- Profiling and Performance Monitoring



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18. Testing

- Jest Testing Framework
- React Testing Library

19. Build and Deployment

- Create React App (CRA)
- Production Builds
- Deployment Strategies

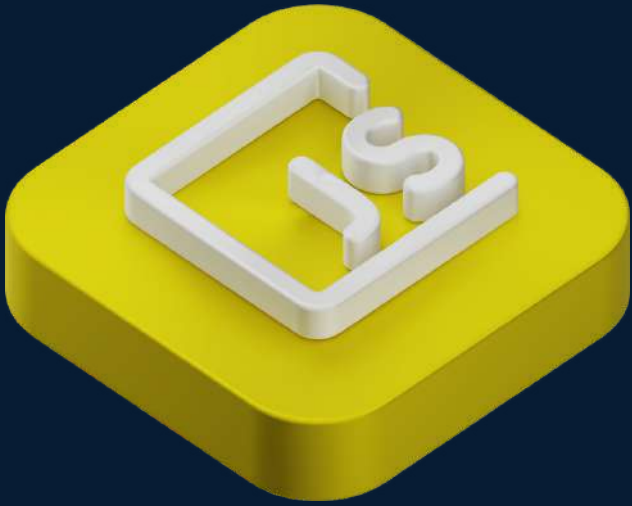
20. Styling Libraries

- Styled-components
- CSS Modules

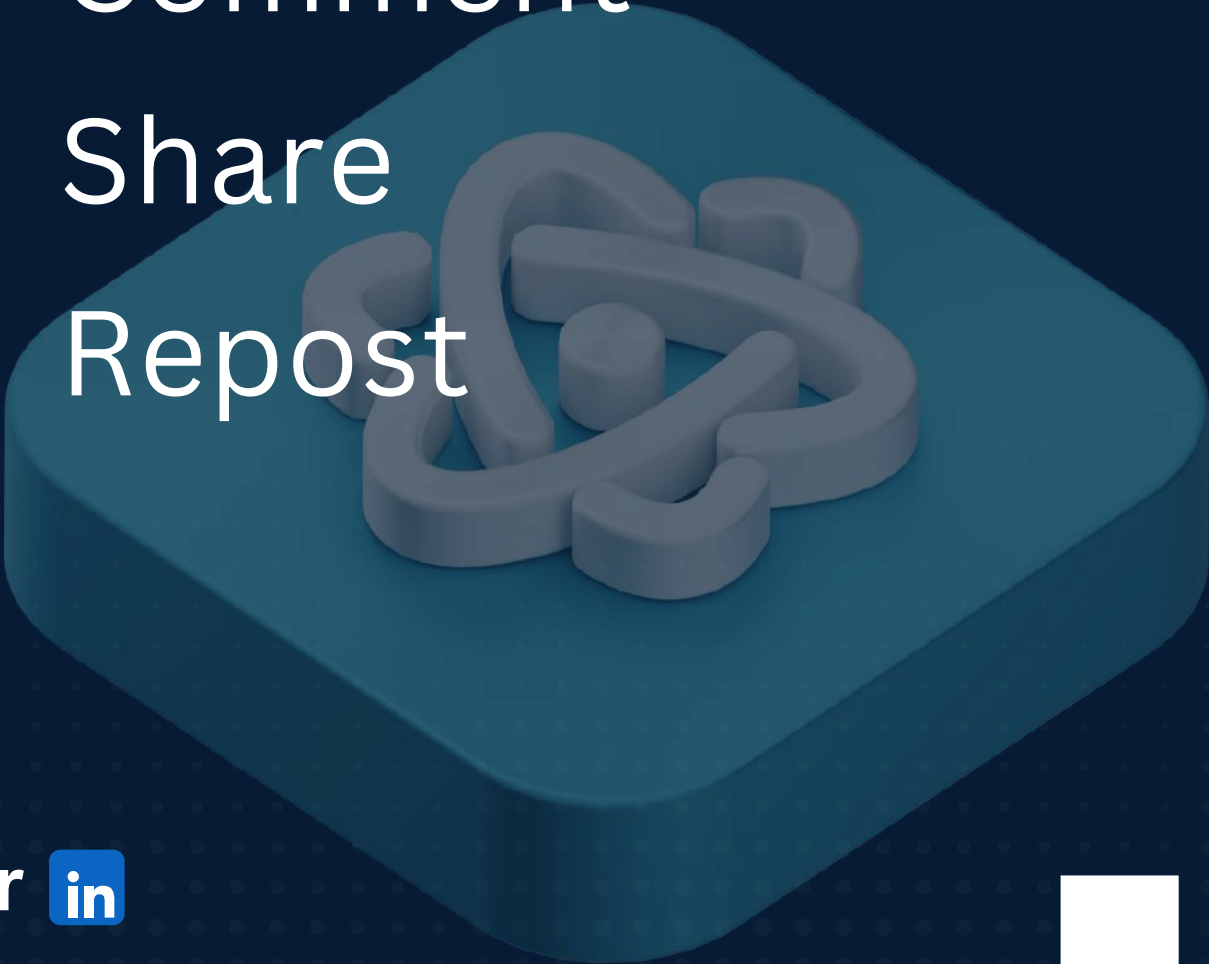


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