



REACT JS COURSE CONTENT

Introduction to ES5 & ES6

- ES5
- ES6
- ES5 VS ES6
- ES5 VS ES6 Syntax Difference
- ES6 Advantages

What is ReactJS?

- ReactJS Introduction
- Advantages of ReactJS
- Workflow of ReactJS
- Scope of ReactJS

Overview of JSX

- Difference between JS and JSX.
- React Components overview
- What is Child Components?
- What is JSX expressions?

ReactJS Environment Setups

- Node setup
- How to use NPM?
- How to create package.json and purpose of it?

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- Best IDE for ReactJS and How to write optimized code in ReactJS?
- ReactJS browser plugins overview.

Building Blocks of React.JS

- Core Building Blocks of React
- Components
- State and Props
- Rendering
- What is JSX
- Example
- Why JSX
- Advantages of JSX
- Expressions in JSX
- Internal Implementation of JSX
- Hands-on: Creating a react component with jsx

Components in React JS

- What are Components in React JS
- Types of Components
- Functional component
- Class Component



- Functional component vs Class Component
- Creating Class Components
- Creating Functional Components
- Converting Functional Components to Class Components

Conditional Rendering

- Conditional Rendering in React JS
- Logical && Operator
- Switch case operator

List & Keys

- react key prop
- map function to iterate the List
- References
- When to use Refs
- How to Create Refs
- How to access Refs

Event Binding types

- Bind () method
- Arrow function
- Arrow function inside the expression
- Arrow function inside the expression with parameter

ReactJS Component Life Cycles Overview



- Constructor
- Render
- Should component update
- Component willMount
- Component didMount
- Component Unmount

Advance Topics in React JS

- What is context API?
- When to use the context API
- How to use the Context API
- Fragments
- Why we use Fragments?
- Fragments short Syntax
- Keyed Fragments

ReactJS forms and UI

- Lists of Form components.
- Setup Controlled and Uncontrolled form components.
- Control Input elements.
- How to set default values on all formats of Input elements.
- ReactJS Form validations.
- How to write Styles?
- Animations overview



Routing in ReactJS and Other JS concepts

- Single Page Application Overview.
- How to configure React Router?
- History of Router
- How to Handle Conditional statement in JSX?
- IIFE in JSX for complex logic overview.

Styles in ReactJS?

- CSS and inline styles in ReactJS overview.
- Introduction to styled components
- Bootstrap & React Bootstrap
- Font Awesome and Material UI Icons

Router with Navigation

- How to Load the router library?
- Configure the React Router?
- How to Pass and receive parameters?
- Invalid URL (404 page).

Hooks

- Introduction to Hooks
- The useState hook
- useEffect hook
- useHistory hook

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- The useContext hook
- The useReducer hook
- Another Hooks

Redux Overview

- Introduction to One Store.
- Provider Component
- Actions.
- Reducers.
- Dispatchers
- View Controllers

Projects

- Single page Static Website
- Application with CRUD Operations
- Deploying

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