

React JS Course Content

SECTION 1: WHAT IS REACT JS?

- React JS Introduction
- Advantages of React JS
- Work flow of React JS
- Scope of React JS

SECTION 2: OVERVIEW OF JSX

- Introduction of Virtual DOM.
- Difference between JS and JSX.
- React Components overview
- Containers and components
- What is Child Components?
- What is Namespaced components?
- What are the JavaScript expressions available in JSX?

SECTION 3: REACT JS ENVIRONMENT SETUPS

- Node setup
- How to use NPM?
- How to create package.json and purpose of it?
- ES6 Introduction and features.
- Webpack Overview
- Best IDE for React JS and How to write optimized code in React JS?
- React JS browser plugins overview.



Real-time Practicals

- NPM Installation by locally and Globally
- Create a Basic App with React JS and other Supported NPMs.

SECTION 4: A REAL-TIME APPLICATION BY USING REACT JS

- Create a React component with JSX template.
- How to create Nested Components?
- What is React JS render?
- React Props overview.
- Introduction of Props validation with data types.
- Flow of States, Initialize states and update states.



Real-time Practicals

- Create a Small React Module
- Use All the states in in the created Application.

SECTION 5: REACT JS 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.
- React JS Form validations.
- How to write Styles?
- Animations overview



Real-time Practicals

- Create a React Form.
- Client-side form validation.
- Applying form components.
- Submit and Rest the form.

SECTION 6: REACT JS COMPONENT LIFE CYCLES OVERVIEW

- Initial Render
- Props Change
- Stage Change
- Component willMount
- Component didMount
- Component Unmount



Real-time Practicals

- Applying Different Lifecycles in the Application.
- When to choose Appropriate lifecycles.

SECTION 7: ROUTING IN REACT JS 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.



Real-time Practicals

- Create a Single Page Application.
- Applying Routing.
- Dynamically render the components based on the url.

SECTION 8: EVENT HANDLING IN JSX

- onBlur, onKeyUp, onChange and other useful primary events in React JS.
- How to Sharing events between the components?



Real-time Practicals

- Communicate Data between components.
- Applying all lists of events.

SECTION 9: HOW TO WRITE STYLES IN REACT JS?

- CSS and inline styles in React JS overview.
- Introduction to styled components



Real-time Practicals

- Styling the application using styled component
- How to use Animations in the Application.

SECTION 10: REACT ROUTER WITH NAVIGATION

- How to Load the router library?
- Configure the React Router?
- How to Pass and receive parameters?
- Integration of React-cookie overview.

SECTION 11: FLUX OVERVIEW

- What is Flux Architecture?
- What are the Flux Components available?
- Stores.
- Dispatchers.
- View Controllers.
- Actions.
- Views.
- How Flux works?
- Flux and React works together.

SECTION 12: REDUX OVERVIEW

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



Real-time Practicals

- Redux application Development with Real-time Project

SECTION 13: UNIT TESTING OVERVIEW

- What are the necessary Tools required for Unit Testing?
- React Unit Testing overview
- Introduction to JEST.
- How to Test React Component?
- How to Test React Router?

Contact Info:



+91 9884412301 | +91 9884312236



Know more about [ReactJS](#)



info@credosystemz.com

New # 30, Old # 16A, Third Main Road,
Rajalakshmi Nagar, Velachery, Chennai
(Opp. to MuruganKalyanaMandapam)

BOOK A FREE DEMO

CREDO SYSTEMZ