

React JS Training Course

COURSE DETAILS



React JS
Javascript Framework

Visit Our Website
www.gemsinstitute.com





Overview

React Js is Javascript library created by Facebook to build UI components. React uses Babel that converts JSX into Javascript. JSX is a Javascript XML that is like extension to Javascript. React gives benefit of learn once and write anywhere feature with that you can develop new feature without writing existing code. A react application is made of so many components where each component is responsible for rendering a small, reusable piece of HTML.

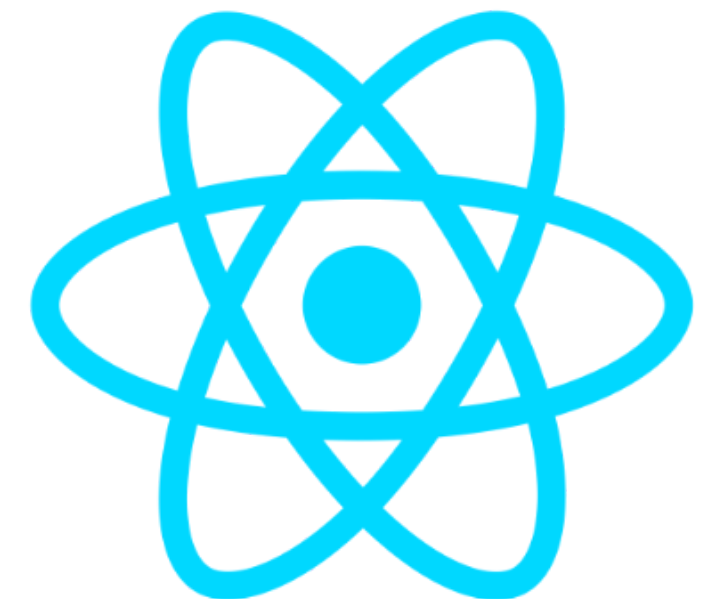
Yagnesh Darji

CEO Of Gems Institute Of Technology



INTRODUCTION TO REACT JS

- Introduction to Basic building blocks of Web Application Development. HTML-CSS JS
- SPAs and React Web Apps.
- ReactJS Overview.
- Single Page Apps VS Multi-Page Applications.
- What is a DOM, Virtual DOM?
- Installing ReactJS and writing our first Hello World code.
- The Folder Structure of React Application.
- Basic Building Blocks of React JS – (components, state, props, jsx)
- What are the components? Understanding the component basics and different types of components.
- What are the functional components and container components?
- Creating your first class-based component and functional component.
- Understanding JSX and JSX restrictions.
- Component Nesting.
- What are props and a simple understanding of props?
- Passing Props into components.
- Accessing props inside the components.
- Creating reusable dynamic components



React Architecture

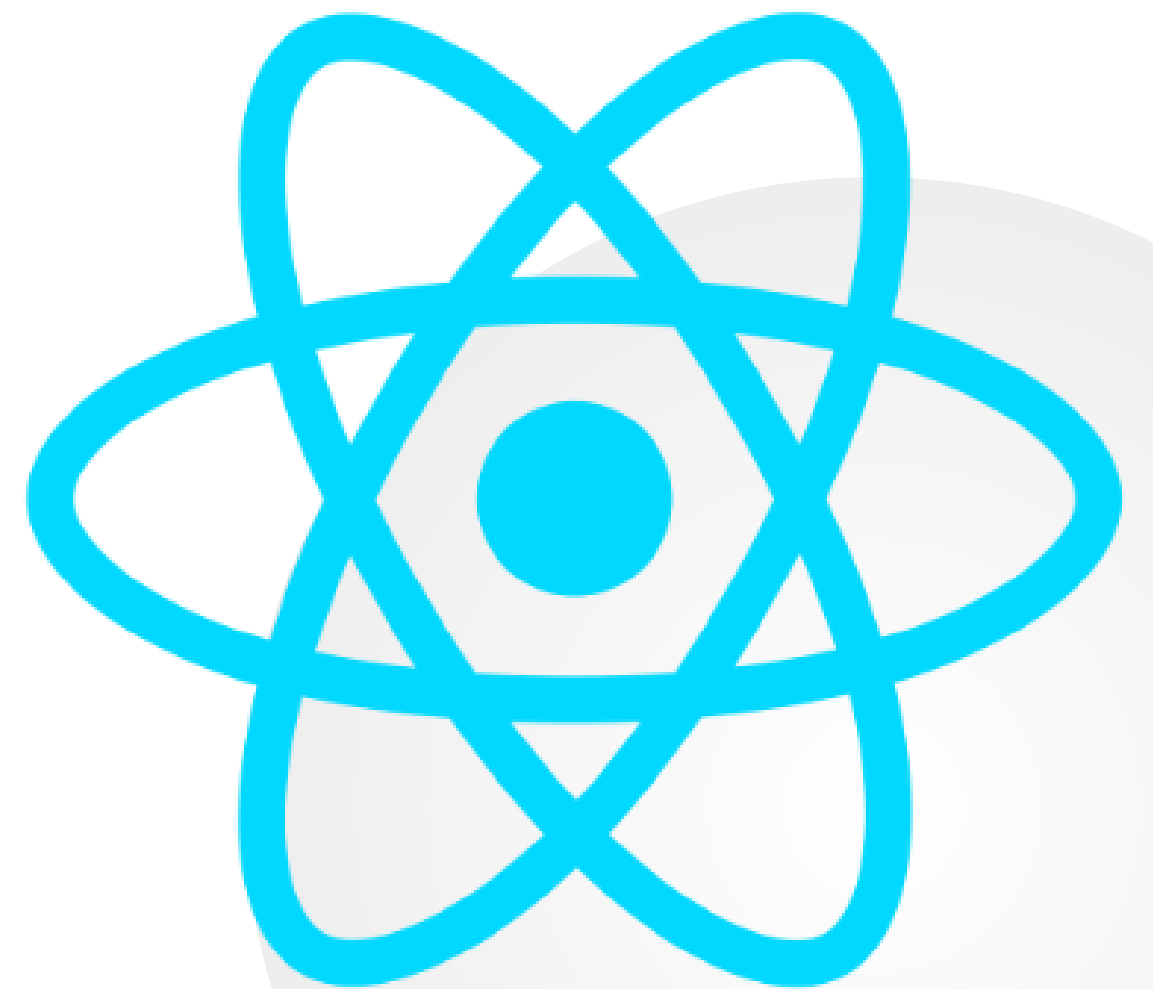
- Components configuration with state, props and children.
- Understanding and using state and props, and Differences between props and state
- Handling Events
- Manipulating the state with `setState()` method
- Difference between stateless and stateful components.
- Adding two-way binding.
- Rendering content conditionally.
- Making API REQUESTS with React.
- Fetching data – Axios vs Fetch.
- Building Lists from data
- The purpose of keys in lists and Implementing keys in lists.
- Handling User Input with forms and events.
- Controlled Elements versus uncontrolled elements.
- Handling forms submitted.
- Understanding this in JavaScript and solving context issues.
- Communicating child to parent.
- Handling user Input of dynamic forms
- Handling form submission (MAKING API CALL)
- Adding Custom Form Validation.
- Showing validation errors and other error messages.
- Handling overall form validity.

UI And Component Styling In React

- Styling React components. The different ways of styling the react components.
- Inline styles and external styles to the components.
- Using styled-components.
- Creating a navigation-bar in ReactJS.
- Introduction to React Router.
- Creating Routes to our Navigation Bar.

Hooks

- Introducing Lifecycle methods.
- Why use Lifecycle methods
- React Hooks – An Introduction, Why React Hooks
- Moving from classes to functional components
- Introducing the first Hook: useState Hook and Second Hook: useEffect Hook
- Data Fetching with hooks/replacing the class lifecycle methods
- Fetching data on component mount with useEffect





Hooks

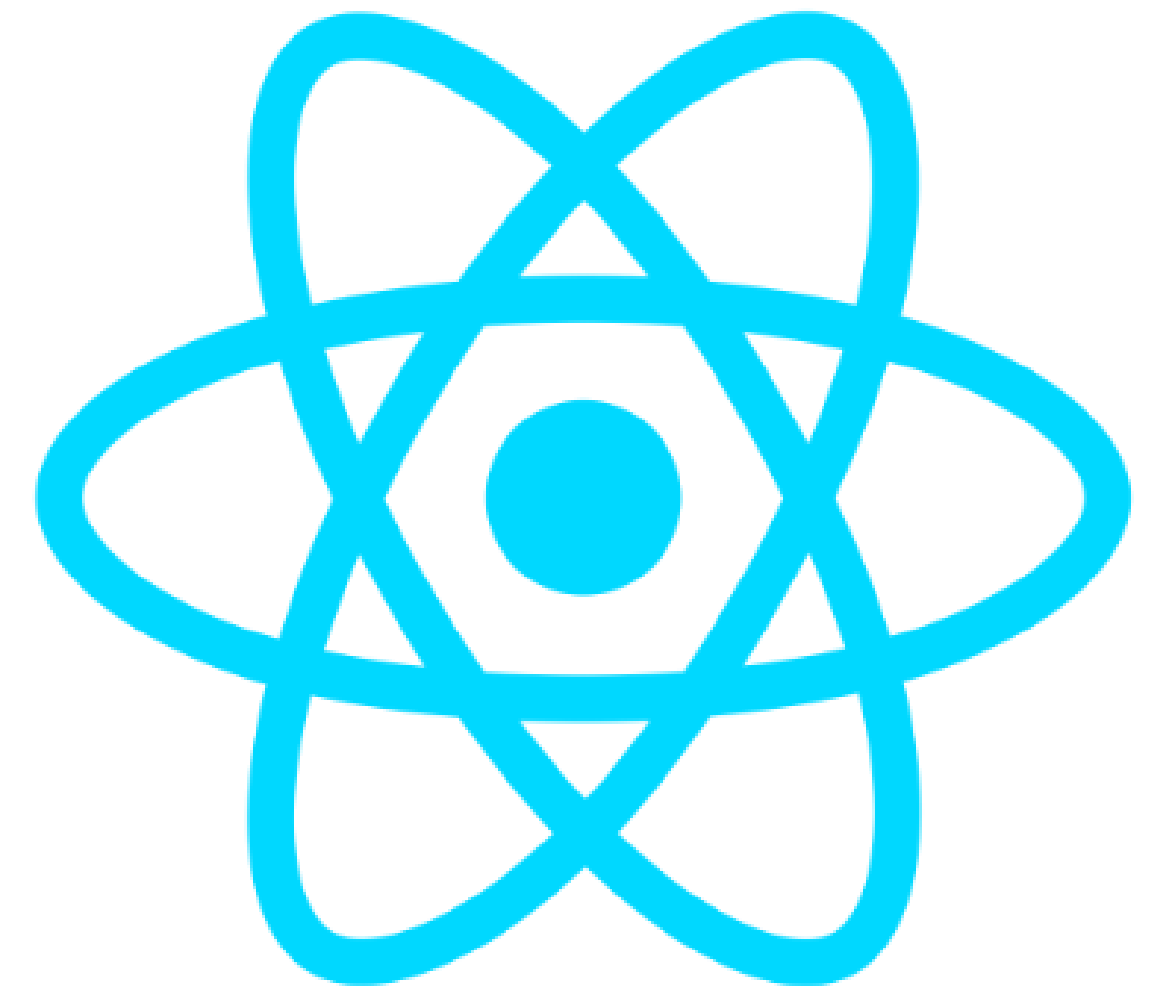
- Using the useRef Hook
- Displaying loading state with useState
- Error Handling and displaying errors with useState
- The useReducer Hook
- Using the useContext Hook

Basics Of Networking

- What is Ip addresses?
- Ports
- TCP and UDP protocol
- Private and Public Network
- Client – Server Architecture

React JS Course Fees: ~~₹ 50,000~~ **₹ 25,000**

Course Duration: 3 Months





Thank You

www.gemsinstitute.com