

# React

React (developed by Facebook) is one of the leading frameworks to build efficient web user interfaces. You use small manageable components to build large-scale, data-driven websites without page reloads. No more wasting time hunting for DOM nodes!

In this React Training Course, we take you on a fun, hands-on and pragmatic journey to master React from a web development point of view. You'll start building React apps within minutes. Every section is written concisely and to the point. In the end, you should have what it takes to develop a real-life app in React.

## Prerequisites

Basic [HTML, CSS, JavaScript](#) and Object-oriented programming required.

## Course Contents:

### DAY 1

#### Introduction

- What is React?
- Manipulating DOM elements efficiently
- Asynchronous operations
- Using ES6
- Thinking in Components
- Setting Up
- Creating a New Project with *create-react-app*
- Editing our first React Component

#### Creating and Using Components

- Creating our First Component
- Using our Created Component
- Embedding Expressions in JSX
- Displaying a List

## **Bindings, Props, State and Events**

- CSS Class Binding
- Props
- Improving the Look
- Adding Local State to a Component
- Handling Events with States

## **DAY 2**

### **Working with Components**

- Styles

### **Conditional Rendering**

- Inline If with && Operator
- `props.children`

### **Building Controlled Forms**

- Create an Initial JSX Form Template
- Implementing a Login Form
- Generic `onBlur`
- `handleChange`
- Showing Specific `ValidationErrors`
- Submitting the form
- Disabling the `SubmitButton`
- Handling Submitting of Form via 'Enter'
- Validating Upon Form Submit
- Showing Validation Error Upon Submit
- Displaying Options in a Dropdown

## **DAY 3**

### **Getting Data From RESTful APIs with Axios**

- GitHub RESTful API
- Getting Data
- GitHub RESTful APILife Cycle *`componentDidMount`*

- Showing a Loader Icon
- Implementing a GitHub Results Display Page
- Adding anInput to GitHub Results Display Page

## **Routing**

- Setting Up Our Routes
- Navigation Bar Links
- Route Parameters
- Programmatic Navigation

## **DAY 4**

### **C.R.U.D. with Firebase**

- Using Firebase
- Using FirebaseAdding Firebase to our React App
- Working with a Firebase Database
- Displaying List ofUsers
- Adding a User
- Deleting a User
- Populating the Form on Edit
- Updating a User

### **Introduction to Redux**

- What is Redux?
- Transiting from Component States to Application State
- Understanding the Redux Flow
- Setting Up Reducer and Store
- Defining Actions
- Reducer

## **DAY 5**

### **React with Redux**

- A Note on Stateless Functional Components
- Building Our App
- Your Practical Project

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## **Duration and pricing**

In [Pricing Group A](#)

## **Certificate**

Read [here about our certificates](#)

## **Bookings**

You can download the course registration form on our home page or by clicking [here](#)

## **Brochure**

You may download a pdf copy of this page by clicking on the pdf icon at the top of the page.

## **Questions**

Please [email us](#)

## **Schedule**

On the calendar below. If your browser doesn't display the calendar below, please click on [this link](#) or try using [Google Chrome](#), alternatively please enquire via our [Contact Us](#) page.