



React JS

Length:	5 Days
Type:	Course
Delivery Method:	Instructor-led (classroom)

About

ReactJS presents graceful solutions to some of front-end programming's most persistent issues. It's fast, scalable, flexible, powerful, and has a robust developer community that's rapidly growing. React JS is a new age UI (user interface) tool that is more interactive and flexible as compared to most other tools. It comprises of components which are re-usable and easy to use. This course helps to learn how to use ReactJS and the Redux library to create next gen web applications. It covers all the practical aspects of developing with React, managing data and server communication with Redux.

Course Objectives

- Understand what React is and what problem it solves
- Gain a deeper knowledge of ES2015 and JSX
- Implement unit tests for React components
- Learn React best practices

Public

- Developers

Prerequisites

- Basic Computer Knowledge.



Course Content

Module 1: Welcome to React

- Obstacles and Roadblocks
- React's Future
- Working with Files
- React Developer Tools
- Installation Node JS

Module 2: Emerging JavaScript

- Declaring Variable in ES6
- Arrow function
- Transpiling ES6
- ES6 Objects and Arrays
- Promises
- Classes

Module 3: Pure React

- Page Setup
- The Virtual DOM
- React Elements
- React DOM
- Children
- Constructing Elements with Data
- React Components
- DOM rendering

Module 4: React with JSX

- React Elements as JSX
- Babel
- Intro to Webpack



Module 5: Props, State and the Component Tree

- Property Validation
- Refs
- React State Management
- State within component Tree

Module 6: Enhancing Components

- Component Lifecycle
- JavaScript Library Integration
- Higher-Order Components
- Flux

Module 7: Redux

- State
- Actions
- Reducers
- The Store
- Action creators
- Middleware

Module 8: React Redux

- Explicitly Passing the Store
- Passing Store via Context
- Presentation Versus Container Components
- The React Redux Provider
- React Redux Connect



Module 9: React Router

- Incorporating the Router
- Nesting Routes
- Route Parameters

Module 10: React on the Server

- React on the Server