Tel +44 20 4571 2395
info@siliconbeachtraining.co.uk

The ReactJS with Redux course provides an overview of the fundamental concepts of ReactJS and its ecosystem, Redux and its features and lastly, how React and Redux can be used together to build extensive applications. During the course, the delegates will be introduced to JavaScript MVC, View Technology, ReactJS, basic features of React, JSX, Components and Props, Conditional Rendering, Lifting State Up and Lists and Keys. The delegates will also learn about the core concepts of Redux including its three principles, Redux Setup and Legacy of Redux.

Master the concept of React Redux, Data Flow and Usage with React, Async Actions and Async Flow and Middleware and React Router with Silicon Beach Training's two days ReactJS with Redux Certification course. By the completion of the course, the delegates will be able to develop necessary ReactJS applications efficiently and confidently. The ReactJS with Redux Certification course equips the delegates with the essential skills necessary to become an efficient Client-Side Application Developer.

During the training program, the candidates will also get an opportunity to learn about the native of the Redux environment. The course covers the key features of Redux and React and enables delegates to create an extensive application by making effective use of the React and Redux together. The delegates will receive an interactive hands-on session and also get proper guidance from Industry Experts any time after course completion.

Throughout the course, the delegates will learn the functionality of React.js and its capability to resolve issues, gain a deep knowledge of React.js components and JSX and know how to maintain application state in a Redux Store. WE ensure that the delegates will have detailed knowledge of the course at the end of the course. They will be fully ready to take up the certification exams and pass with good marks.

Prerequisites

Before attending the ReactJS with Redux Certification course, the delegates are expected to have:

- Knowledge of basic JavaScript concepts
- Basic knowledge of Computer Programming terminologies

Course Objectives

- Have a proper understanding of React Basics and React Key Features
- Get insights into ReactJS
- Discuss Redux Basics
- Explore Data Flow and Usage with React
- Understand Middleware and React Router

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- Explain about Testing in Redux
- Understand Async Flow and Async Actions in Redux
- List the Advanced features of Redux

Introduction to ReactJS

ReactJS Environment Setup

Emerging JavaScript

Functional Programming with JavaScript

Overview of Pure React

- Page Setup
- Virtual DOM
- React Elements and ReactDOM
- Construct Elements with Data
- Components of React
- DOM Rendering

React with JSX

- React Elements as JSX
- Recipes as JSX
- Overview of Webpack

Basics of Prop, State and Component Tree

- Property Validation
- React State Management
- State Within the Component Tree

Enhancing Components

- Components Lifecycle
- JavaScript Library Integration
- Higher-Order Components
- Managing State Outside of React
- Basics of Flux

Introduction to Redux

- State and Actions
- Basics of Reducers and Store

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- Explicitly Passing the Store
- Presentational Versus Container Components
- The React Redux Provider
- React Redux Connect

Testing

- ESLint
- Testing Redux
- Testing React Components
- Snapshot Testing
- Code Coverage

React Router

- Incorporating the Router
- Nesting Routes
- Router Parameters

Overview of React and Server

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