React Router and Redux

Modality: On Demand

Duration: 16 Hours

About this course:

Have you ever wondered how complex React applications are created? React by itself is pretty bareboned and doesn't come with a lot of features outside of its core functionality. Third party libraries such as React Router and Redux are used to add additional functionality to your React application.

React Router offers a simple solution for handling routing. You can use it to dynamically change your application UI based on the current URL.

Redux offers a great solution for organizing changes to your application state. It does so by using a method of dispatching actions that modify the current state.

By the end of this course you will learn how to use React Router and Redux to enhance your React application and make it more scalable.

Course Objective:

- Handle routing using React Router
- Simplify state management using Redux
- Integrate Redux with an existing React application

Audience:

- Web developers
- Front-end developers
- Mobile developers
- Programmers

Prerequisite:

- Proficient understanding of React.js

Course Outline:

React Router

- What is React Router
- Setting up React Router locally
- Setting up React Router using CodeSandbox

- Routers and Routes
- Links
- Switches
- Redirects
- Prompts
- React Router Summary
- Module 1 Tutorial Lab
- Module 1 Project Lab
- Module 1 Assessment

Redux

- What is Redux
- Setting up Redux locally
- Setting up Redux using CodesandBox
- Three Principles of Redux
- Actions
- Reducers
- Store
- Advanced Reducers
- Redux Summary
- Module 2 Tutorial Lab
- Module 2 Project Lab
- Module 2 Assessment

React Redux

- What is React Redux
- Setting up React Redux locally
- Setting up React Redux locally using CodeSandbox
- Presentational vs Container Components
- Connecting React Components to Redux
- React Redux Summary
- Module 3 Tutorial Lab
- Module 3 Project Lab
- Module 3 Assessment
- Course Summary

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