ReactJS with Redux Training Course Content

by Sindhu

Module 1: Introduction to React JS

- Explain Javascript MVC
- Define View Technology
- Explain ReactJS
- Configure React

Module 2: React Basics

- Explain JSX
- Render Elements
- Explain Components and Props
- State and LifeCycle
- Hadling Events

Module 3: React Key Features

- Conditional Rendering
- Lists and Keys
- Forms
- Lifting State up
- Composition vs Inheritance
- Thinking in React

Module 4: Introduction to Redux

- Define Redux
- Motivation

- Core Concepts

- Three Principles

- Legacy of Redux

- Redux Setup

Module 5: Redux Basics

- Actions

- Reducers

- Store

Module 6: Data Flow and Usage with React

- Explain Data Flow

- Usage with React

Module 7: React Async Actions and React Async Flow in Redux

- Async Actions

- Async Flow

Module 8: Middleware and React Router

- Middleware

- React Router

Module 9: Advanced Features of Redux

- Discuss Object Select Operator

- Server Rendering

- ReSelect Library

Module 10: Testing Redux

- Define Jest

- Setup Testing environment

- Test Action Creators

- Test Async Action Creators

- Test Reducers

- Test Components

- Test Connected Components

- Test Middleware

Project :

Create a Simple Shopping Cart application using Redux and React. The application should contain:

- Product Configuration as per the below details:

[

{"id": 1, "title": "TV", "price": 11500.01, "inventory": 5},

{"id": 2, "title": "Fridge", "price": 11110.99, "inventory": 20},

{"id": 3, "title": "Mobile", "price": 1119.99, "inventory": 5}

]

- Option to Display Products with Price

- Option to AddItems to the Cart

- Option to Perform a Checkout

- Option to stop adding items to Cart when inventory is empty

- Test Cases for components and reducers

CONCLUSION : Additional benefits

- Course Material (Soft Copy)

- Sample resumes and Fine tuning of Resume

- Interview Questions