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Course: React JS

Duration: 40 Hrs (Changeable) | Fees: Individual / Batch

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- Asp.net MVC
- Web Design, Javascript
- Angular JS, React JS
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- Ethical Hacking



Syllabus on the Next Page ..



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Module 1: Introduction to React

- * What is React?
- * Why React?
- * React version history
- * React 16 vs React 15
- * Just React â€“ Hello World
- * Using create-react-app
- * Anatomy of react project
- * Running the app
- * Debugging first react app

Module 2: Templating using JSX

- * Working with React. create Element
- * Expressions
- * Using logical operators
- * Specifying attributes
- * Specifying children
- * Fragments

Module 3: About Components

- * Significance of component architecture
- * Types of components
- * Functional
- * Class based
- * Pure

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- * Component Composition

Module 4: Working with state and props

- * What is state and its significance
- * Read state and set state
- * Passing data to component using props
- * Validating props using prop Types
- * Supplying default values to props using default Props

Module 5: Rendering lists

- * Using react key prop
- * Using map function to iterate on arrays to generate elements

Module 6: Event handling in React

- * Understanding React event system
- * Understanding Synthetic event
- * Passing arguments to event handlers

Module 7: Understanding component lifecycle and handling errors

- * Understand the lifecycle methods
- * Handle errors using error boundaries

Module 8: Working with forms

- * Controlled components
- * Uncontrolled components
- * Understand the significance of default Value prop
- * Using react ref prop to get access to DOM element

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Module 9: Context

- * What is context
- * When to use context
- * Create Context
- * Context Provider
- * Context Consumer
- * Reading context in class

Module 10: Code-Splitting

- * What is code splitting
- * Why do you need code splitting
- * React lazy
- * Suspense
- * Route-based code splitting

Module 11: hooks

- * What are hooks
- * Why do you need hooks
- * Different types of hooks
- * Using state and effect hooks
- * Rules of hooks

Module 12: Routing with react router

- * Setting up react router
- * Understand routing in single page applications

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- * Working with Browser Router and Hash Router components
- * Configuring route with Route component
- * Using Switch component to define routing rules
- * Making routes dynamic using route params
- * Working with nested routes
- * Navigating to pages using Link and NavLink component
- * Redirect routes using Redirect Component
- * Using Prompt component to get consent of user for navigation
- * Path less Route to handle failed matches

Module 14: Immutable.js

- * What is Immutable.js?
- * Immutable collections
- * Lists
- * Maps
- * Sets

Module 17: Unit Testing

- * Understand the significance of unit testing
- * Understand unit testing jargon and tools
- * Unit testing react components with Jest
- * Unit testing react components with enzyme

Module 18: Web pack Primer

- * What is web pack

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- * Why web pack
- * Install and setup web pack
- * Working with web pack configuration file
- * Working with loaders
- * Working with plugins

Setting up Hot Module Replacement

Module 19: Isomorphic React

- * What is server-side rendering (SSR)?
- * Why SSR
- * Working with render To String and render To Static Markup methods

(Click on Course for more details)

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- Thank You -

N.B:This syllabus is not final and can be customized as per requirements / updates.

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