

REACT INTRODUCTION

- Course Overview
- Platforms, Frameworks & Tools
- Hybrid frameworks versus Native
- HTML5
- CSS3
- JS brush up
- ES6 Javascript Basics
- Tools Install
- React Native Hello World
- React Intro

REACT-COMPONENT,STATE,PROPS

- Installation – Add React to a HTML Website – Create New React App – Hello World
- Getting started in React
- JSX
- Components
- Component Composition
- JSX – Why JSX? – Embedding Expressions in JSX – Attributes with JSX – Children with JSX
- Props & Prop Types
- Event Handlers
- State
- React Web App
- Components, State, Props – Function Component – Class Component – Props – State – Class Component Lifecycle

LISTS AND HOOKS

- Conditional Rendering – Lists and Keys – Forms – Handling Events – Lifting State up
- Hooks – Introduction – Using the State hook – Using the Effect hook – Rules of Hook – Custom Hook

REACT-STYLE AND ADVANCED

- Creating the first App
- Understanding the App
- Styling the App
- Inspecting & Debugging styles
- Built-in components
- Working with Images
- ListViews
- TextInput
- Styling React Components – CSS stylesheet – Inline Styling – CSS Modules – CSS in JS Libraries (styled components)
- Creating Views (Scenes)
- Conditional Rendering – Lists and Keys – Forms – Handling Events – Lifting State up
- Hooks – Introduction – Using the State hook – Using the Effect hook – Rules of Hook – Custom Hook
- Advance Concepts – Context, useContext() – Working with Refs and useRefs() – Fragments – Performance optimization with useMemo() – Styling React Components – CSS stylesheet – Inline Styling – CSS Modules – CSS in JS Libraries (styled components)
- Bootstrap with React
- React Router – Browser – Router – Link – Route – Template integration – Http Request in React – Get and Post data

REACT ROUTER

- React Router
- Browser - Router - Link - Route
- Template in tegration – Http Request in React – Get and Post data

REACT-APPLYING REDUX

- State
- State storage problem
- Redux Basics
- Redux Principles
- Implementing Redux
- React-Redux
- Middleware
- Counter App Demo

- Redux – Complexity of Managing state – Understand the Redux Flow – Setting up Reducer and store – Dispatching Actions – Passing and Retrieving Data with Action – Combining Multiple Reducers – Adding Middleware – Redux Dev tools