

# REACT JS TRAINING COURSE CONTENT

## React JS Training Topics

### Module 1 — What is React?

- What react is and what not?
- Advantages
- Limitations
- How react works (underneath layers)?

### Module 2 — Introduction to JSX Module 3 — Virtual DOM

#### JS vs JSX

- React Components
- HTML attributes e.g. class, div and id etc.
- Child Components and Namespaced components
- JavaScript expressions in JSX like attribute, Boolean or child expression

### Module 4 — Setting up your ReactJS Development Environment

View ReactJS application in Plunker

- Setup Cloud?
- Using npm & package.json file
- Webpack & ES5 Introduction
- Organizing your source code
- React browser plugin

### Module 5 — creating a simple React Application

A simple react component with JSX template

- Nesting Components
- React render
- React Props
- Props validation with data types
- States, Initialize states and update states

### Module 6 — React UI and Forms

Form components e.g. input, textarea

- Controlled form components
- Uncontrolled form components
- Checkboxes and Radios
- Select box with default selected value
- Form validation
- Styles
- Animation Introduction

## Module 7 — Component Life Cycle

Initial Render

- Props Change
- Stage Change
- Component **Unmount**

## Module 8 — React Router and Other JS Concepts

React Router configuration

- History
- If-else in JSX
- IIFE in JSX for complex logic

## Module 9 — Event Handling in JSX

onClick, onKeyUp and other useful events in React

- Sharing events across the components

## Module 10 — React Styles

CSS and inline styles

- Setting up the react for React bootstrap
- Implementing the react bootstrap components

## Module 11 — React Router & Navigation

Loading the router library

- Router configuration
- Passing and receiving parameters
- React-cookie integration

## Module 12 — Flux

What is Flux Architecture?

- Flux Components
- Stores
- Dispatchers
- View Controllers
- Actions
- Views
- How Flux works ?
- Flux and React

## Module 13 — REDUX

One Store

- Provider Component
- Actions
- Reducers

- Redux application development

## **Module 14 —Unit Testing and other testing techniques**

Tools for Unit testing

- React Unit testing
- JEST
- React Component testing
- React Router Testing