

React-JS

Target audience: Any JS developer

Duration : 40 hrs

1. REACTJS – OVERVIEW
 - a. React – Features
 - b. React – Advantages
 - c. React – Limitations
2. REACTJS – ENVIRONMENT SETUP
 - a. Install Global Packages
 - b. Create the Root Folder
 - c. Add Dependencies and Plugins
 - d. Create the Files
 - e. Set Compiler, Server and Loaders
 - f. index.html
 - g. App.jsx and main.js
 - h. Running the Server
3. REACTJS – JSX
 - a. Using JSX
 - b. Nested Elements
 - c. Attributes
 - d. JavaScript Expressions
 - e. Styling
 - f. Comments
 - g. Naming Convention
4. REACTJS – COMPONENTS
 - a. Stateless Example
 - b. Stateful Example
5. REACTJS – STATE
6. REACTJS – PROPS OVERVIEW
 - a. Using Props²⁷ Default Props
 - b. State and Props
7. REACTJS – PROPS VALIDATION
 - a. Validating Props
8. REACTJS – COMPONENT API
 - a. Set State
 - b. Force Update
 - c. Find Dom Node
9. REACTJS – COMPONENT LIFE CYCLE

- a. Lifecycle Methods
- 10. REACTJS – FORMS
 - a. Simple Example
 - b. Complex Example
- 11. REACTJS – EVENTS
 - a. Simple Example
 - b. Child Events
- 12. REACTJS – REFS 51
 - a. Using Refs..51
- 13. REACTJS – KEYS 53
 - a. Using Keys .53
- 14. REACTJS – ROUTER
 - a. Install a React Router
 - b. Create Components
 - c. Add a Router
- 15. REACTJS – FLUX CONCEPT
 - a. Flux Elements
 - b. Flux Pros
- 16. REACTJS – USING FLUX
 - a. Install Redux
 - b. Create Files and Folders
 - c. Actions
 - d. Reducers
 - e. Store
 - f. Root Component
 - g. Other Components
- 17. REACTJS – ANIMATIONS
 - a. Install React CSS Transitions Group
 - b. Add a CSS file
 - c. Appear Animation
 - d. Enter and Leave Animations
- 18. REACTJS – HIGHER ORDER COMPONENTS
- 19. REACTJS – BEST PRACTICES
- 20. Nodejs – CRUD Operations.