

React with Redux Tool Kit

Prerequisites: Knowledge of JS ES6 Programming

1. Welcome to React

- Obstacles and Roadblocks
- React's Future
- Working with Files
 - React Developer Tools
 - Installation Node JS

2. Pure React

- Page Setup
- The Virtual DOM
- React Elements
- React DOM
- Children
- Constructing Elements with Data
- React Components
- DOM rendering

3. React with JSX

- React Elements as JSX
- Babel
- Intro to Webpack

4. Props, State and the Component Tree

- Property Validation
- Refs
- React State Management
- State within component Tree

5. Enhancing Components

- Component Lifecycle
- JavaScript Library Integration
- Higher-Order Components
- Flux

6. React Hooks

- Difference between Functional and Class Components
- Overview of React Hooks
- *useState* Hook
- *useEffect* Hook
- *useContext* Hook
- React Hook Form

7. Redux Toolkit

- Overview of Redux Toolkit
- Benefits over traditional Redux
- Key feature(Slices, createSlice, ConfigurationStore)
- Setup Redux Toolkit
- *createSlice*
- *useSelector*
- *useDispatch*

8. React Router

- Incorporating the Router
- Nesting Routes
- Route Parameters