

React with Typescript

- **Typescript Basics**
 - Understanding the benefits of Typescript
 - Understanding Basic Types
 - Creating interface, type aliases and classes
 - Structuring code into modules
 - Configuring compilation
 - Tuples
 - The unknown type
- **Getting started with React and typescript**
 - Creating a React and Typescript Project
 - Creating a class component
 - Handling class component Event
 - Class component States
 - Class Component Lifecycle methods
 - Creating a function component
- **Routing with React Router**
 - Installing React router with routing
 - Declaring routes
 - Creating navigation
 - Route Parameters
 - Handling Not found routes
 - Implementing Page redirects
 - Query Parameter
 - Router Prompts
 - Nested Routes
 - Lazy loading routes
- **Advance Types**
 - Union Types
 - Type Guards
 - Generics
- **Common Pattern**
 - Container and presentational components
 - Compound components
 - Render props pattern
 - Higher-order components

- **Working with Forms**
 - Creating a form with control component
 - Reducing boilerplate code with generic components
 - Validating forms
 - Form submission
- **React Redux**
 - Principles and Key concepts
 - Installing Redux
 - Creating actions
 - Creating a store
 - Connect our react app to the store
 - Managing state with useReducer
- **Interacting with RESTful APIs**
 - Writing asynchronous code
 - Using fetch
 - Using axios with class component
 - Using axios with function component