



- CYU – Check Your Understanding
- LOTW – Learning On The Walls
- PPR – Participant Progress Report
- PTS – Post Training Support (Web)

REACT JS AND REDUX

Duration: 6 Days

AN INTRO TO REACT

- ❖ Environment Setup
- ❖ Project Setup
- ❖ A Taste of JSX
- ❖ ES6 Import Statements
- ❖ ReactDOM vs React
- ❖ Differences Between Component Instances and Component Classes
- ❖ Render Targets
- ❖ Component Structure
- ❖ Export Statements
- ❖ Class-Based Components
- ❖ Handling User Events
- ❖ Introduction to State
- ❖ Controlled Components

AJAX REQUESTS WITH REACT

- ❖ Refactoring Functional Components to Class Components
- ❖ Props
- ❖ Building Lists with Map
- ❖ List Item Keys
- ❖ Template Strings
- ❖ Handling Null Props

MODELING APPLICATION STATE

- ❖ Foreword on Redux
- ❖ What is Redux?
- ❖ Managing App State with Redux
- ❖ Reducers
- ❖ Containers - Connecting Redux to React
- ❖ Implementation of a Container Class
- ❖ Actions and Action Creators
- ❖ Binding Action Creators
- ❖ Creating an Action
- ❖ Consuming Actions in Reducers
- ❖ Conditional Rendering



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INTERMEDIATE REDUX: MIDDLEWARE

- ❖ Component Setup
- ❖ Controlled Components and Binding Context
- ❖ Form Elements in React
- ❖ Working with API's
- ❖ Introduction to Middleware
- ❖ Ajax Requests with Axios
- ❖ Redux-Promise in Practice
- ❖ Avoiding State Mutations in Reducers
- ❖ Building a List Container
- ❖ Mapping Props to a Render Helper
- ❖ Making a Reusable Chart Component
- ❖ Labeling of Units

REACT ROUTER + REDUX FORM

- ❖ Installing React Router
- ❖ React Router - What is It?
- ❖ Setting Up React Router
- ❖ Route Configuration
- ❖ Nesting Of Routes
- ❖ IndexRoutes with React Router
- ❖ Back To Redux - Index Action
- ❖ Catching Data with Reducer
- ❖ Fetching Data with Lifecycle Methods

NAVIGATION WITH THE LINK COMPONENT

- ❖ Forms and Form Submission
- ❖ Passing Control to Redux Form
- ❖ Form Validation
- ❖ Navigating on Submit
- ❖ Dynamic Route Params
- ❖ Loading Data on Render
- ❖ Handling Null Props
- ❖ Delete Action Creator
- ❖ Navigate on Delete