

Complete React JS Course in 25 Lectures

Introduction and Setup (Lectures 1-2)

- Lecture 1: What is React? History, Use-Cases, Modern JS Refresher (ES6+)
- Lecture 2: Setting up React Development (Node.js, npm, Create React App, Project Structure)

Components, JSX, and Props (Lectures 3-5)

- Lecture 3: JSX and Rendering Elements
- Lecture 4: Functional and Class Components
- Lecture 5: Props – Passing Data to Components, PropTypes/DefaultProps

State, Events, and Lifecycle (Lectures 6-8)

- Lecture 6: useState Hook, State in Class Components
- Lecture 7: Handling Events and User Input
- Lecture 8: Component Lifecycle Methods; useEffect Hook, Cleanup Functions

Lists, Keys, and Conditional Rendering (Lectures 9-10)

- Lecture 9: Rendering Lists, Keys, Dynamic UI Rendering
- Lecture 10: Conditional Rendering Methods in JSX

Forms, Controlled Components, and Validation (Lectures 11-12)

- Lecture 11: Forms and Controlled Components (Input, Checkbox, Radio)
- Lecture 12: Form Validation and Error Handling

Styling in React (Lecture 13)

- Lecture 13: CSS Methods – Inline, CSS Modules, Styled-Components, UI Libraries (Bootstrap, Material UI)

Routing (Lectures 14-15)

- Lecture 14: React Router v6+ – Setup, Basic Routing, Route Props
- Lecture 15: Nested, Dynamic, and Protected Routes

Advanced State Management (Lectures 16-18)

- Lecture 16: Context API for State Sharing
- Lecture 17: Redux Concepts – Actions, Reducers, Store
- Lecture 18: React-Redux Integration and Middleware (Thunk/Saga)

Hooks Deep Dive (Lectures 19-20)

- Lecture 19: Custom Hooks, useRef, useMemo, useCallback, useContext
- Lecture 20: Best Practices with Hooks, Composing Custom Logic

API Integration and Side Effects (Lectures 21-22)

- Lecture 21: Fetching Data from REST/GraphQL APIs (fetch, axios)
- Lecture 22: Handling Async, Side Effects, and Error Boundaries

Optimization, Testing, and Deployment (Lectures 23-25)

- Lecture 23: Performance Optimization (React.memo, Lazy/Suspense, Code Splitting)
- Lecture 24: Unit Testing with Jest & React Testing Library; Debugging
- Lecture 25: Building Real-World Project, Deployment (Vercel, Netlify, Cloud), Portfolio & Interview Tips