

Learn React

Learn and master ReactJS from basic to advanced levels using this React Fundamentals training. This ReactJS online course shows you the skills needed to create applications in ReactJS, a programming language that can help you unlock opportunities to work on cutting-edge projects and secure higher-paying job positions.

[CBT Nuggets course material](#) →

WEEK 1

Basic React Concepts & Syntax

163 min.

Introduction	1
Benefits of React	10
Create and Run a React App	5
React Project Structure	8
Basics of JSX	11
Inserting Variables Into JSX	9
Creating and Rendering Components	9

Create and Reuse React Components

Overview	1
Introduction	1
Importing and Exporting Components	5
Basic Component Styling	16
React Fragments	12
Introduction to Component Props	13
Reusable Components	10

Type-Checking and Event-Handling in React

Overview	1
Introduction	1
PropTypes	14
Basic Event Handling	9
Scoping Styles with CSS Modules	9
Creating more reusable components	16

WEEK 2

153 min.

React Dev-tools 7

Introduction to Component State

Overview 1

Introduction 2

How to Add State to Components 9

How NOT to Add State to Components 4

Showing and Hiding Components 9

Using State to Change Styling 6

Sharing State Between Components 8

Passing Functions as Props 12

Lists and Component Reusability

Overview 1

Introduction 1

Displaying Lists 13

Breaking up Large Components 15

Creating a Tag Component 8

Persisting State in LocalStorage 12

Other State Persistence Options 7

Introduction to React Routing

Overview 1

Introduction 1

Basic Routing with React-Router-Dom 19

Creating a Navigation Bar 14

Implementing Page Components 10

URL Parameters 8

Navigating Programmatically 7

Refactor React Applications

Overview 1

Introduction 1

Adding Multiple Function Props 8

Increasing Component Reusability 7

Passing Props to Pages 12

Increasing Component Reusability (Again) 5

Adding PropTypes to Pages 8

Keeping Hidden Elements Hidden 7

Introduction to React Context

Overview 1

Introduction 1

Basics of Context 7

Creating and Accessing Context 11

Passing Functions through Context 5

Encapsulating Logic in a Provider Component 8

How Forms work in React 14

React Form Basics

Overview 1

Introduction 1

Creating Two-Way Form Bindings 12

Working with Different Kinds of Form Elements 12

Switching from Static to Dynamic Data with Context 10

WEEK 4

152 min.

Connecting Forms with Context	11
Persisting Context State	7

Reusable Forms in React

Overview	1
Introduction	1
How to Make Forms Reusable	11
Pre-Populating Forms with Data	10
Using Forms Across Multiple Pages	11
Passing Multiple Actions to Components	8
Methods For Editing Data	9
Updating Prop Types	4

How React Rerendering Works

Overview	1
Introduction	1
React's Rendering Process	3
Rerendering Rule #1	8
Rerendering Rule #2	3
Rerendering Rule #3	6
Preventing Rerendering with Memoization	10
Rerendering Rule #4	3
Rerendering Lists	15

React Inner Workings

Overview	1
Introduction	1
Component Lifecycle Basics	19

Uses of the useEffect Hook	5
----------------------------	---

WEEK 5

155 min.

JSX Behind the Scenes	18
JSX and Cross-Site Scripting	6

Introduction to Redux

Overview	1
Introduction	1
The Purpose of Redux	9
Basic Concepts of Redux	8
Setting Up a Redux Application	13
Redux Action Syntax	4
Reducer Syntax	11
Connecting Components to Redux	12
Accessing Multiple State Values	4

Adding Redux to Existing Applications

Overview	1
Introduction	1
Basic Redux Setup	6
Creating Redux Actions	9
Creating Reducers for Multiple Resources	14
Selecting Data from Redux	12
Dispatching Actions From Components	9

Advanced Redux Topics

Overview	1
----------	---

Introduction	1
Persisting Data with Redux-Persist	11

WEEK 6

98 min.

Redux DevTools	11
Creating Reusable Selectors	16
Other Methods for Connecting Components	11

Redux Performance & Testing

Overview	1
Introduction	1
Redux Performance Mistake #1	13
Redux Performance Mistake #2	5
The Reselect Library	14
Testing Reducers	17
Testing Selectors	7