

React is a JavaScript library for building user interfaces. It is maintained by Facebook and a community of individual developers and companies. React can be used as a base in the development of single-page or mobile applications. Reactjs is one of the most popular libraries out there used by hundreds of thousands companies all around the world with some of the most famous like: Facebook, Instagram, Netflix, Slack, Dropbox, Yahoo, Khan Academy etc...

About the course

React is a JavaScript library for building user interfaces. It is maintained by Facebook and a community of individual developers and companies. React can be used as a base in the development of single-page or mobile applications. Reactjs is one of the most popular libraries out there used by hundreds of thousands companies all around the world with some of the most famous like: Facebook, Instagram, Netflix, Slack, Dropbox, Yahoo, Khan Academy etc...

1. Getting Started

- What is React?
- Why we should choose React?
- How React works behind the scenes?
- The idea of Single Page Applications (SPAs)

2. Base feature and syntax

- Setup project using Create React App.
- Writing our first class component
- JSX vs HTML
- Understanding flexibility of JSX.
- Understanding State.
- Creating our first functional component.
- Understanding Props.

3. Component management

- Creating and updating state.
- The real idea behind props
- Reusing a component
- Handling Events and Methods.
- The real idea behind functional components.
- Lifecycle Methods

4. Outputting Dynamic Content

- Valid JavaScript loops in JSX.
- Printing Lists
- Conditions
- Keys
- ES6 syntax sugar

5. Styling React Components

- Introduction to SCSS (sass)
- Understanding SCSS variables
- Learn Radium.
- Learn React Styled Components.
- Media Queries
- Dynamic Styles

6. React Hooks

- What are Hooks.
- Difference between Hooks and traditional State.
- Hooks Performance.
- Learn powerful Hooks like useState, useEffect, useReducer.
- Replacing State with Hooks.
- Sharing Data between components using React Hook – Context Api.
- Authentication using Context Api.

7. HTTP

- Reaching out the the Web
- Building a simple Server using NODE js.
- Build the Api with Node.
- Introduction to Axios
- Introduction to Fetch Api.
- Difference between Axios and Fetch.
- Consuming the Api.
- Transforming Data.
- Error Handling.

8. React Forms

- Creating and managing React Forms.
- Validating React Forms.
- Validating React Forms.
- Validating React Forms using powerful a library.
- Learn React Select, React DatePicker.
- File Uploading
- Validate File Upload.
- Submitting Forms.

9. Routing

- Understand the basics of Routing in Single Page Applications
- Navigation with NavLink.
- Difference between anchor tag and NavLink.
- Navigating Programmatically.
- Building Dynamic Routes.
- Passing Data to Routes.
- Basic Authentication.
- Route Protection.
- 404 Routes.

10. Redux and Flux

- Introduction to Redux
- Build a mini app with Redux
- Introduction to Flux.
- Build a mini app with Flux.
- Main concept behind a State Management Library like Redux and Flux.

11. Testing

- What is testing
- Why testing is so important
- Testing Tools
- Testing Components
- Jest testing tool

12. Deploying

- How to build a production ready app.
- Deploy app in Digital Ocean and Hostgator.
- Fixing Routes in Server.
- Improving Performance.

PROJECT 1.

Building an online video platform.

PROJECT 2.

Building a freelancer app like UpWork.

During the course will learn very useful libraries for Google Maps, Social Media Videos, Social Media Sharing, Integrating Social Media inside our App, Google Analytics, Printing Documents and many more.

Schedule

60 hours training

3 days per week / 2 hours per day / 10 weeks