

COURSE DETAILS

ReactJs - The Complete Guide

modern features. Throughout the course, all the topics will be discussed with real-time project implementation and at the end of the day, a final project will be given to everyone.

Prerequisite

HTML, CSS, Javascript

Course highlight

- ✓ Build powerful, fast, user-friendly, and reactive web apps
- ✓ Provide amazing user experiences by leveraging the power of JavaScript with ease
- ✓ Get a proper idea of React hooks and lifecycle
- ✓ Master fundamental concepts behind structuring Redux applications

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WHAT YOU WILL LEARN

Completing this course, you will be able to

- Build powerful, fast, user-friendly, and reactive web apps
- Provide amazing user experiences by leveraging the power of JavaScript with ease
- Get a proper idea of React hooks and lifecycle
- Master fundamental concepts behind structuring Redux applications

01

Introduction to ReactJs

The most important question of this course is What is React and why should we use it. In this lecture, we'll take a closer look.

02

Understanding JSX

One of the most important features of ReactJs is JSX which allows us to develop components faster and efficiently. This the objective of this session

03

Props and States

The core system in ReactJs is driven by two main things. Props and States. In this lecture we will learn these two things with examples.

04

Class Component

Though in current time, the Class component is discouraged to use, still we need to know our ancestor to understand our modern development system. So we will get to know the class component in this lecture. Don't Worry, we will learn everything in ReactJs hooks.

05

Functional Component

In this lecture, we will get to know the Functional Component and the react Hooks which is the modern way of building a react application.

06

ReactJs Lifecycle

The most important thing in ReactJs is to understand the lifecycle of a component without which the whole ReactJs will be a big black hole. So Let's learn the LIFECYCLE of the ReactJs component. We will demonstrate the both legacy way of lifecycle in-class component and also in the Hooks way. From both of them, we will get to learn why we should use React Hooks instead of Class Component

07

Life Cycle Hooks

In this Section, We will dig deeper into the basic life cycle hooks of ReactJs. The hooks are useState,useEffect which are used almost every component in a react application

08

State Manipulation and Two way Data Binding

One of the vital things in a React Application is State Manipulation which we will learn in this lecture as well as will try to implement two-way data binding.

09

Conditional Rendering

In this section, we will get to know how we can render content depending on our data flow and other factors conditionally

10

List and Keys

Looping through the contents is one of the most important things we should learn to develop a modern and real life react application. So let's learn this in this section.

11

Styling React Components

To make an application, it is important to have proper UX and UI. In this section we learn about styling techniques :

- Setting styles dynamically
- Setting Classname dynamically
- CSS Module

12

More in to Styling

Though we have learned about styling using CSS, modern applications require modern ways of styling UI. So In this section we will learn about a fantastic library called STYLED-COMPONENTS using which we can style our components in a Javascript way.

13

Material UI

For faster development, we often use various UI libraries. Material UI is one of them and in this section, we will learn about this amazing UI library.

14

Form and Form Validation

In this section, we learn to create form, handle user input, validating inputs, Handling errors

15

Debugging and better project structure

In this section, we will learn about two vital things. One is how to debug a React Application using React Developers Tool.

Another topic is how to build a better project structure. Also, we will learn how to clean up react hooks and make them efficient.

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API Call

We will learn how to communicate with API using the following tools and techniques:

- Fetch
- Axios
- Difference between GET/POST/PATCH/PUT/DELETE
- Handling errors
- Handling asynchronous API calling

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React Router

A very important feature of ReactJS is Routing and in this session, we will talk and learn about ReactRouter and some of its features:

- Setting up Router Package
- Components of routers
- Switching between pages
- Using porps via router
- NavLink/Link component of router
- History and Params Hooks
- Redirection

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Redux

Due to the Unidirectional Data Flow of React, often we have to use a common store, and a very popular library is Redux. In this session we will learn:

- Why Redux
- Understanding Redux Flow
- Setting up reducers and store
- Dispatching actions
- Connect React to redux
- Passing data with action to store
- Update store immutably
- Combining multiple reducers
- Connect component with redux hooks
- Setting up redux dev tools

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Redux Middle Ware

As we have to deal with the Asynchronous feature of Javascript, we need to handle them in a middleware and a very popular yet simple package of react for that is Redux-thunk and we will learn about this tools.

- Why middleware is important
- Redux Thunk
- Configuring Thunk to store
- Implement store with redux thunk
- A brief overview of redux-saga

20

Advance Hooks

There are some other hooks in React.js and we will have a brief overview of those hooks.

- useMemo
- useCallback
- useLayout
- useReducer

21

Performance enhancers

As it's a frontend library, we have to think about updating the performance to ensure a smooth user experience. So we will learn about some performance enhancer and their use.

- React Profiler
- Generate react source-map
- React.Lazy
- React.memo

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Final Project analysis and discussion session

Throughout the whole course, all the topics will be discussed with real-time project implementation and at the end of the day, a final project will be given to everyone. In this session, we will analyze the submission and have a discussion over how to make it more efficient and performance-friendly.

Next Batches

No upcoming batches available.

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| | |
|----------|--------------|
| FEE | ₹12,000 |
| TYPE | ONLINE |
| LESSONS | 22 |
| TARGET | GENERAL |
| LEVEL | INTERMEDIATE |
| DURATION | 40:00H |
| CLASSES | 20 |

INSTRUCTOR DETAILS

Arnab Dhar (Senior Software Engineer)



I am an innovative Javascript Developer with 6 years experience in blending the art of design with the skill of object-oriented programming.



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Students feedback/comment about this course



Sheikh Swapnil Musa

Posted On: 23-May-2021

It was really an interesting course and the instructor made every topic so clear that it never was tough to understand those concepts. Arnab vai, the instructor, is really much experienced in ReactJS and related technologies who always had answers to our questions. Lastly, it was an amazing course for learning ReactJS.



Tanvir Ahmed

Posted On: 20-May-2021

About the course - I think the course structure and the topics covered are good enough to learn and understand how a standard react application works. However I personally felt like topics like Redux and Hooks should be given more priority and more complex real time examples should be integrated. About the instructor - Arnab bhaia has been great with us, He was always co-operative, never undermined anyone for asking any kind of question, encouraged to ask even more questions, Welcomed any dev questions with open arms on not only course material but outside the course materials as well.



Jahangir Ahmed

Posted On: 13-May-2021

বিয়েটের বেসিক থেকে আডভান্স লেভেলের অনেক গুলো টপিকস কাভার করা হয়েছে কোস্টিতে। যা একজন বিয়েট ডেভেলাপারের জন্য খুবই দরকার। কোর্সের ইনস্ট্রুটর খুবই ফ্রেন্ডলি হওয়ায় প্রতিটা টপিকস ভালভাবে আয়তে আনা সম্ভব হয়েছে।



syeda lamia noor

Posted On: 08-May-2021

I thought it would be impossible for me to continue this course because I didn't know much about JavaScript and other frontend things when I was admitted. But our instructor (Arnab Sir) proved it wrong by making the impossible thing possible with awesome guideline. It was wonderful the way he taught us. With his guidance, I learned everything I needed to know to create a real-life project, which I eventually completed. one more thing to add, sir was always kind and considerate to all of us. Thank you sir for being so helpful.



খুবই সুন্দরভাবে সাজানো একটি বিয়েট কোর্স। একদম বেসিক কনসেপ্ট থেকে রিডাক্স, মেমোর মত অনেক অ্যাডভান্স টপিক দেখানো হয়েছে যা যে কোনো



Amit Biswas

Posted On: 07-May-2021

বিগিনারকেই বিয়েট নিয়ে সম্যক ধারণা দিতে পারবে। ইন্ট্রাকটর খুবই হেল্পফুল ছিলেন পুরোটা কোর্সজুড়েই। বিয়েট এর বাইরেও অ্যাপ ডিজাইন, প্রফেশনাল সেটআপ সহ অনেক কিছু শেয়ার করেছেন তিনি যেটা আমার কাছে খুবই গুরুত্বপূর্ণ মনে হয়েছে কারণ, এই কম্যুনিকেশন ফ্যাটেরগুলোই টিপিক্যাল অনলাইন কোর্স থেকে এই কোর্সকে আলাদা করে দেয়। কোস্টিতে ভর্তি হওয়ার আগে আমি জাভাস্ক্রিপ্ট জানতাম এবং আমার বিয়েট নিয়ে খুবই বেসিক কিছু ধারণা ছিলো, যেটা অনেকটা হেল্প করেছে। তাই ডিবিষ্যতে এই কোর্স করতে ইচ্ছুক কাউকে আমার সাজেশন হবে মোটামুটি জাভাস্ক্রিপ্ট জেনে তারপর এটা শুরু করতে। সবশেষে সাজেশন হিসাবে বলতে চাই আরো কয়েকটা অ্যাডভাস কিন্তু অত্যন্ত প্রয়োজনীয় টপিক যেমন টেস্টিং, হোস্টিং প্রদাকশন লেভেল বিয়েট সার্ট, কাস্টম হক লেখা আরো ডিটেলহাসে দেখানো উচিত, যাতে যারা একদমই বিগিনার না তারা আরো কিছু শিখতে পাবে। কোস্টিতে জন্য আমার বেটিং হবে ৯/১০। ডেভলপ্মেন্ট টিমকে ধন্যবাদ এত সুলব একটি কোর্স অ্যাবেঞ্জ করার জন্য।



Kazi Atik Foysal

Posted On: 04-May-2021

The teacher is very helpful. He explained everything to us in a very beautiful way. There seems to be a lot of struggle while doing the final project. I have learned a lot from that.



Shah Mohammed Nuruddin

Posted On: 03-May-2021

Having expertise in node.js, I had always wished to gain skills in frontend development in order to become a full-stack developer, and sir has finally made my wish come true. I learned how to solve frontend problems in a feasible manner from this course, and also came up with an idea for an eCommerce project, which I successfully completed with the help of my instructor. Not only I got benefitted from learning react but also I've learned more additional things like typescript. To summarize, It's lucky to have a teacher like Arnab sir.



Eimdadul Haque

Posted On: 28-Apr-2021

Overall I've found this course useful for learning front-end development using React. The course instructor is very helpful and very much competent in his skills as a React Developer and Instructor. He was very helpful and cooperative.





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