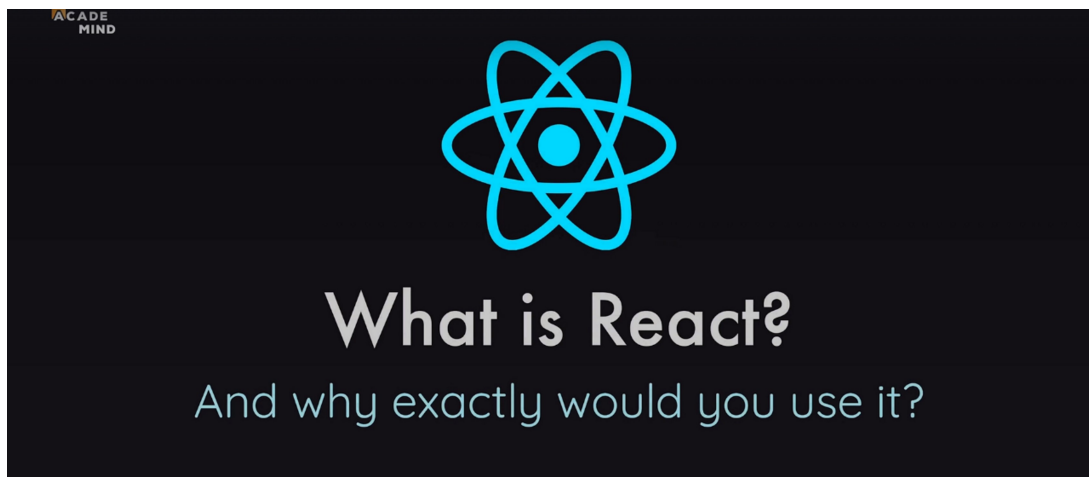# Section 1: Getting Started
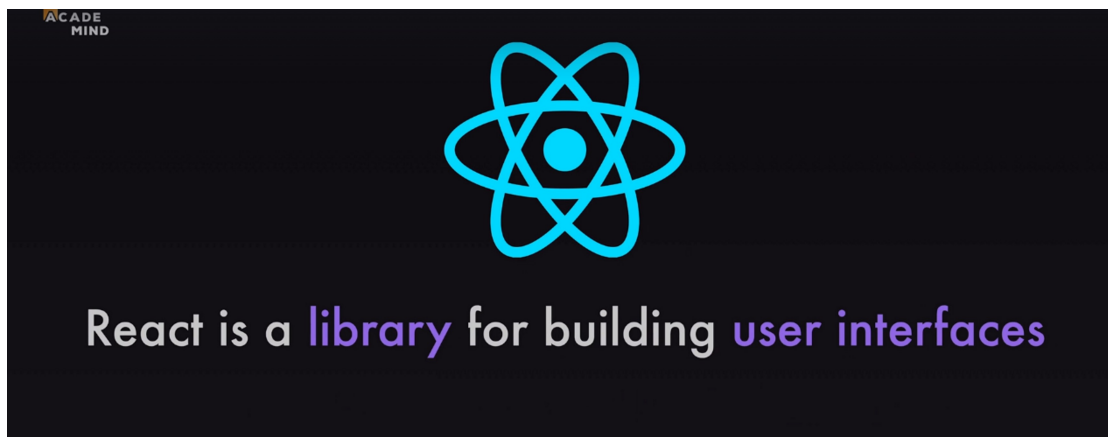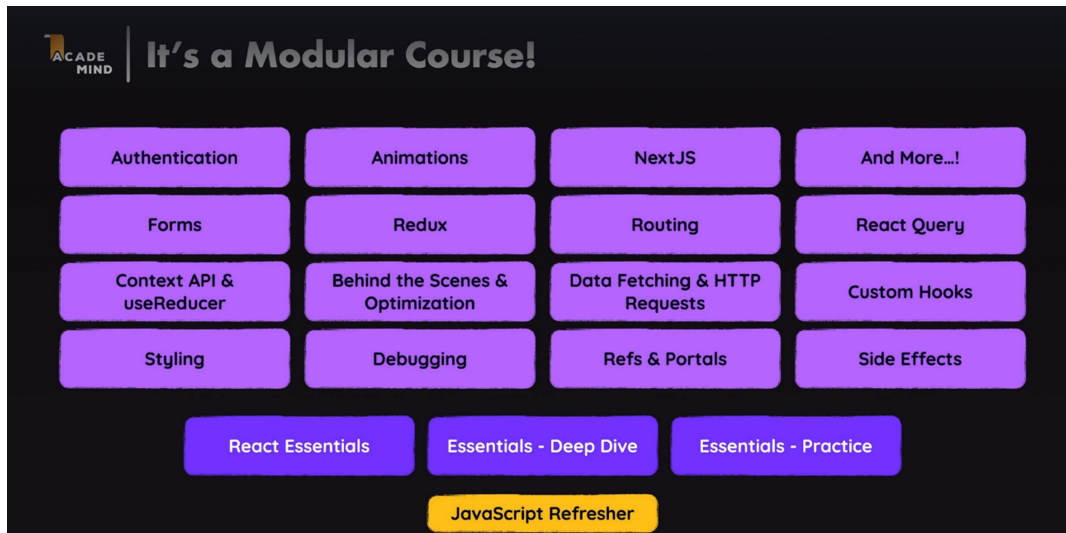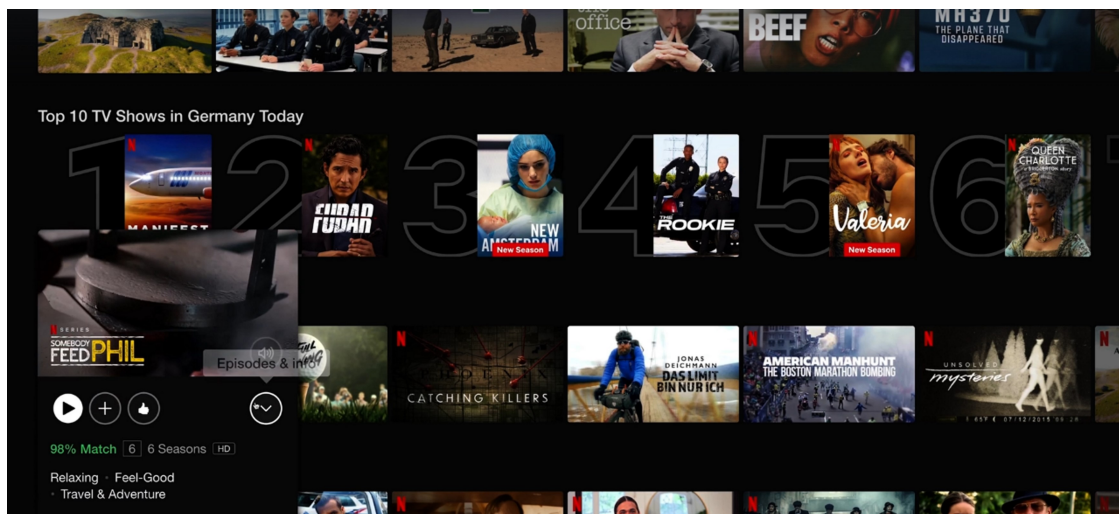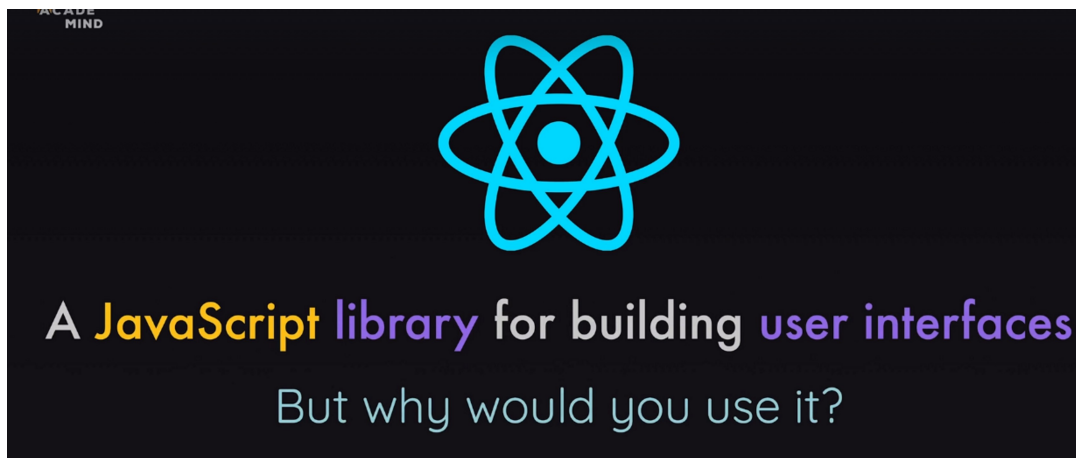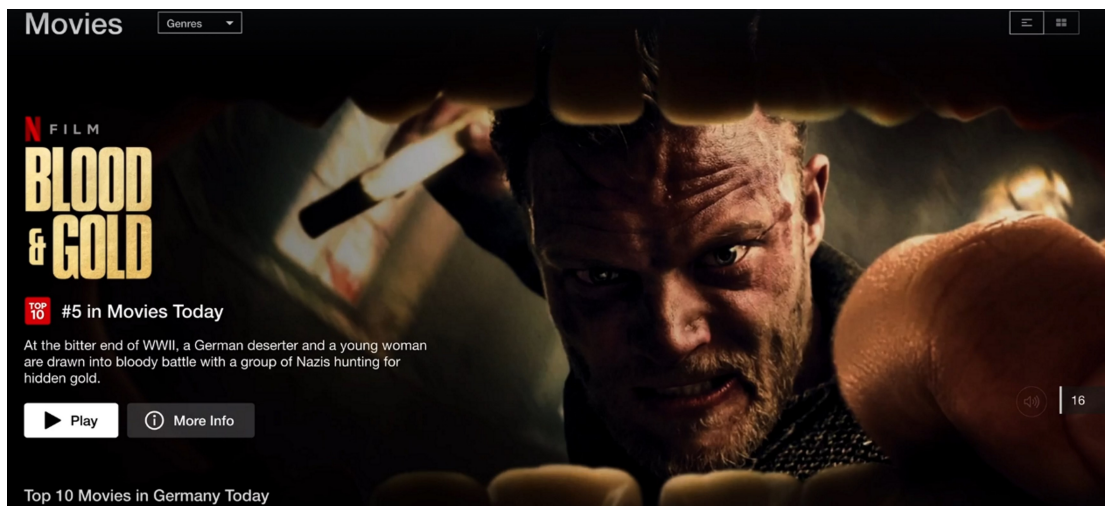
As you navigate around on such a website, you'll see that all these transitions are super smooth, pretty much instant, and you never have this effect where you seem to load a new page. So where you seem to wait for a new page to be sent back by the server. To some extent, it therefore feels like a mobile app,
because in mobile apps, getting instant feedback and having smooth transitions is pretty much the standard.

And it's libraries like React that help us build such user experiences, such user interfaces
for the web as well. Because React, since it's a JavaScript library, uses JavaScript in the browser to update the page and the user interface we see on that page without reloading the page JavaScript can do that,
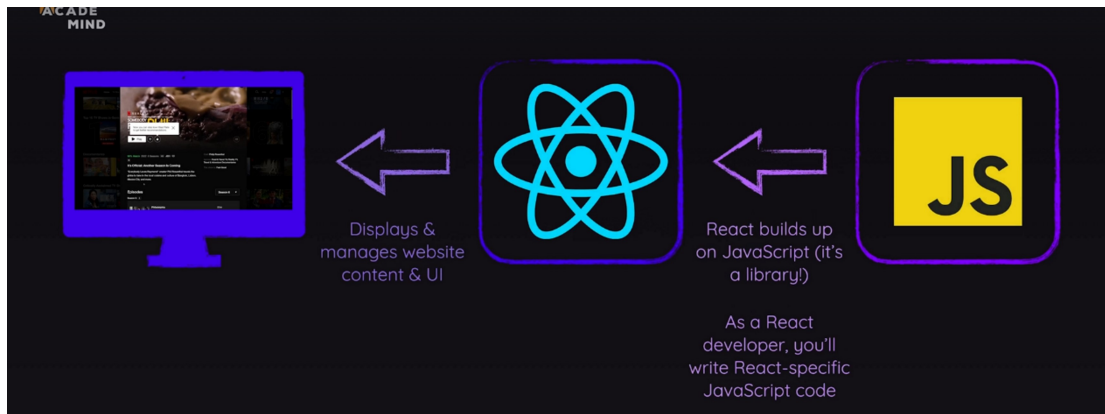
because JavaScript in the end runs kind of in the background of a website, and JavaScript is able to read and manipulate the webpage after it was loaded. So JavaScript can, for example, make sure

that as I click on the movies tab, it fetches the movie's data behind the scenes in the background without reloading or leaving the page, and it then updates what I see on the screen with that movie's data, leading to that smooth transition between those pages.

Using "Just JavaScript" Typically Isn't A Great Option

▶ Writing complex JavaScript code quickly becomes **cumbersome**

▶ Complex JavaScript code quickly becomes **error-prone**

▶ Complex JavaScript code often is **hard to maintain or edit**

▶ React offers a **simpler mental model**

Since this is all JavaScript in the end, why do we need this React library for JavaScript? Because as you'll see in the next lecture where I'll compare using just JavaScript to using libraries like React, working with just JavaScript, of course, is an option,

but it isn't a great one. It's cumbersome, it means more work for you, it can be more error-prone, and especially if you're building more complex user interfaces and more complex applications like this Netflix web app, then using just vanilla JavaScript, so without any library like React, would just be a huge pain, and wouldn't be a very realistic option, to be honest.
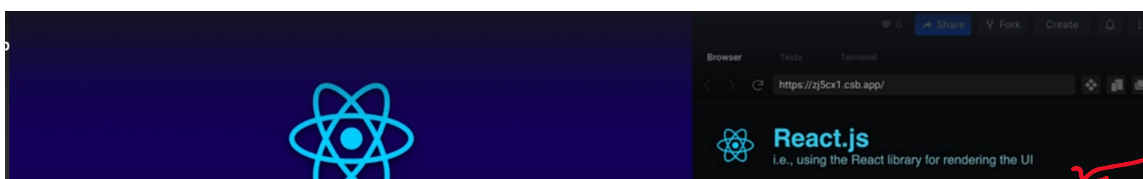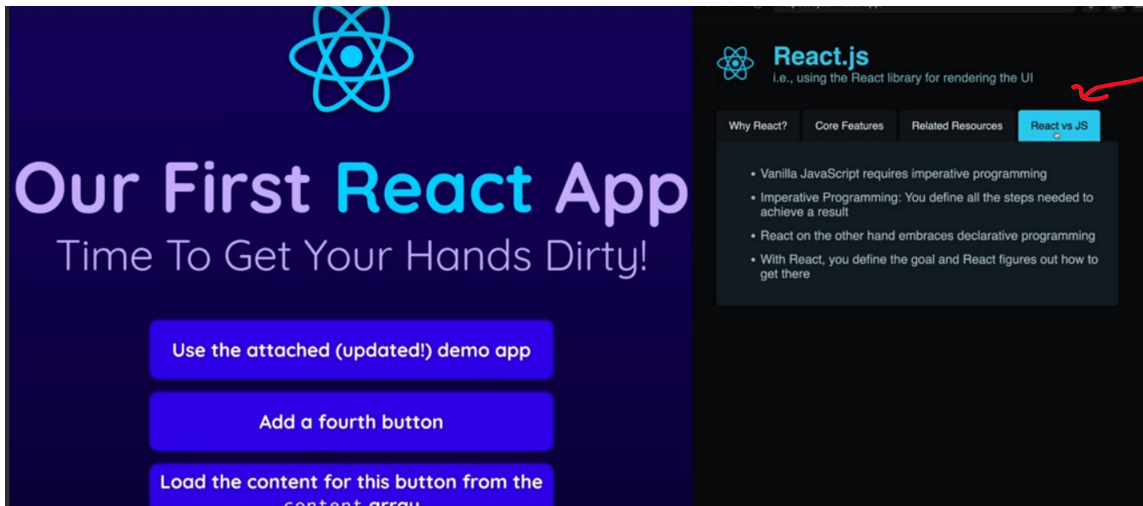
ReactJS vs Vanilla JavaScript: Why Use React?

compare these two project, you will get to know about it.

https://codesandbox.io/p/sandbox/vanilla-js-demo-6049kj
https://codesandbox.io/p/sandbox/react-vs-vanilla-demo-uc08fv

Editing Our First React App

https://codesandbox.io/p/sandbox/first-react-app-start-7ec9fd?file=%2Fsrc%2FApp.js

Go to this link, add the red marked button and show the content from the Array (last element)