**React Query – Introduction**

Let’s learn how to manage remote data, which is data stored on a external server straight from our React application.

So, far in the example, we either used local data or fetched data from an API, which is known as a server. That data was then manipulated in our front end application.

The problem with that is that handling data requires a lot of resources. So if you try to do all of your calculations in the front end, your app will probably be very slow.

Unlike front end apps, servers as well as the databases that are typically used on a server are specifically designed to handle such data manipulations, so they do it much faster. As a result, our front end app is still fast and performant.

**Local Server vs Remote Server**

In terms of server, we can have a local server, or a remote server which is already deployed. It's very common to have a local server while you're developing because the communication is much faster and you can work without the internet connection.

In terms of access, the only difference between a remote and a local server is the URL. So, once you're done developing the application, you can deploy the server. Change the URL on the front end. And of course you can also after that, deploy the front end application as well.

Now we're not going to do any deployment. In this section simply because our server doesn't have the authentication. And therefore, anyone can pretty much come to your application and write all kinds of nonsense.