Links:

1. <https://www.educative.io/courses/building-web-applications-with-react-and-aspnet-core/>
2. <https://www.youtube.com/watch?v=_uSw8sh7xKs>
3. <https://www.youtube.com/watch?v=RWXKysImabs>

**SPA Architecture**

Learn about the details of Single Page Application (SPA) architecture.

**Understanding the SPA architecture**

In this chapter, we will start to understand the single-page application (SPA) architecture.

A SPA is a web app that loads a single HTML page that is dynamically updated by JavaScript as the user interacts with the app. Imagine a simple sign-up form where a user can enter a name and an email address. When the user fills out and submits the form, a whole page refresh doesn’t occur. Instead, some JavaScript in the browser handles the form submission with an HTTP POST request and then updates the page with the result of the request. Refer to the following diagram:

A screenshot of a computer

AI-generated content may be incorrect.

**Form in a SPA**

So, after the first HTTP request that returns the single HTML page, subsequent HTTP requests are only for data and not HTML markup. All the pages are rendered in the client’s browser by JavaScript.

So, how are different pages with different URL paths handled? For example, if we enter https://somesite/questions/32139 in the browser’s address bar, how does it go to the correct page in the app? Well, the browser’s history API lets us change the browser’s URL and handle changes in JavaScript. This process is often referred to as routing.