

What is a single page app?

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A single-page app is an app that works within a browser and doesn't need to reload the page during its use. An advantage of this is better user experience because you don't have to wait for the page to reload many times. Single page apps are powered by Java Script programming language.

Single page apps are also faster because of this. They are responsive to the user and don't need to wait for server communication.

From a development perspective, you don't need to write code to render pages on a server with a SPA. It helps development teams work on separate parts of the app together.

Some disadvantages are that they put a higher load on the browser and that they can take up a lot of memory on a user's device. They also need JavaScript to run so if user's have JS disabled, the app will not appear properly. They also can have issues with security and SEO optimization.

It is appropriate to use SPAs if you are running a small personal or business site with small data volume. It is also useful if you plan to develop a mobile app as the same backend API can be used for both the website and the mobile app. Larger companies with a lot of products and services and data needs may prefer to use a multi page app.