



Hochschule Bremen

Exposé

Media-science Bsc.

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1 Introduction

2 Problem and solution approach

2.1 Problem

Today's applications seem to be increasing in complexity over the last few years. Especially in the field of frontend development, the range of functions has increased [1]. The web development has transitioned from server rendered, page-reloading websites to modern, so called single page applications.

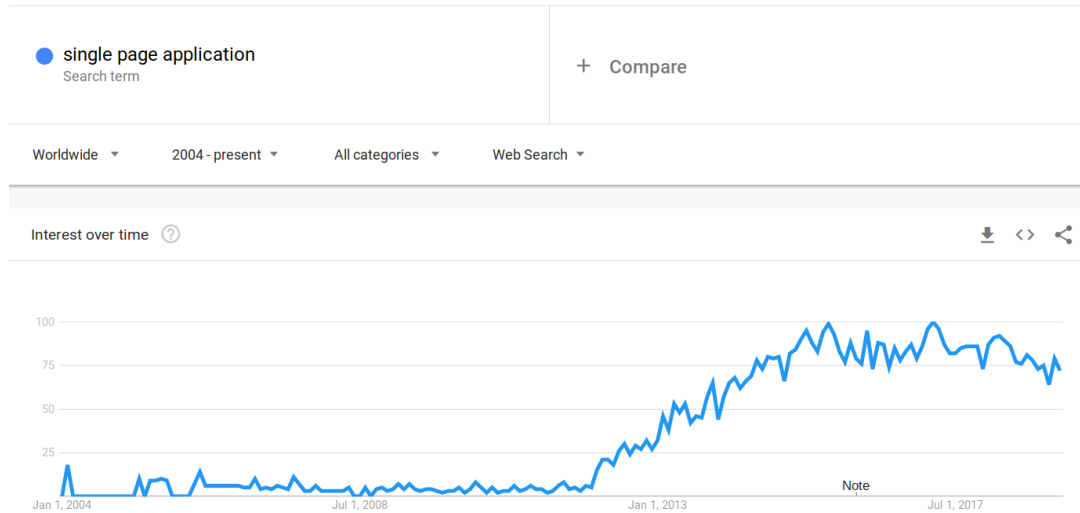


Figure 1: Google trends: single page application

In most cases, an application communicates with other interfaces, such as a back-end or local database. On mobile devices it's also often necessary to know the GPS status, whether mobile data is turned on off, and similar. A click of a user thus can cause many changes inside and outside of the application. A developer must be aware of all the outcomes, react to them and save what has happened. The problem is to find a good pattern, which makes this task feasible.

2.2 Solution approach

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References

- [1] Kevin Ball. *The increasing nature of frontend complexity*. Jan. 30, 2018. url: <https://blog.logrocket.com/the-increasing-nature-of-frontend-complexity-b73c784c09ae> (visited on 02/04/2019).