

Benchmark Comparison of JavaScript Frameworks

React, Vue, Angular and Svelte

Student Name: Wenqing Xu

Supervisor: Glenn Strong

Abstract

Due to the complexity and variety of JavaScript front-end frameworks, it can be difficult for a developer to choose the most suitable framework for their project. For a novice who wants to learn a front-end framework, choosing the appropriate one to start with can also be a struggle. However, the choice of framework is a crucial part of project development. Therefore, the main challenge for developers is usually to choose the appropriate framework to accomplish their work.

This paper will benchmark various front-end frameworks to analyse their performance, explore the underlying reasons and give advice to developers on choosing a front-end framework based on their project.

M.Sc. Interactive Digital Media

2021