

Research Document

Front end: React vs Vue vs Angular

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1: Introduction:

With hundreds of tools, libraries, and frameworks available, the JavaScript world is a rich ecosystem that is constantly expanding. The three most popular frameworks and libraries for creating user interfaces will be the subject of this research:

- React
- Vue
- Angular

2: Create the main question

Which Front End js framework is the best?

3: Create sub-questions

- Which framework is easier to learn?
- Which framework offers the most features?
- What framework is more widely used?
- Which framework offers more documentation?

- Which framework is better?

4: Choose methods

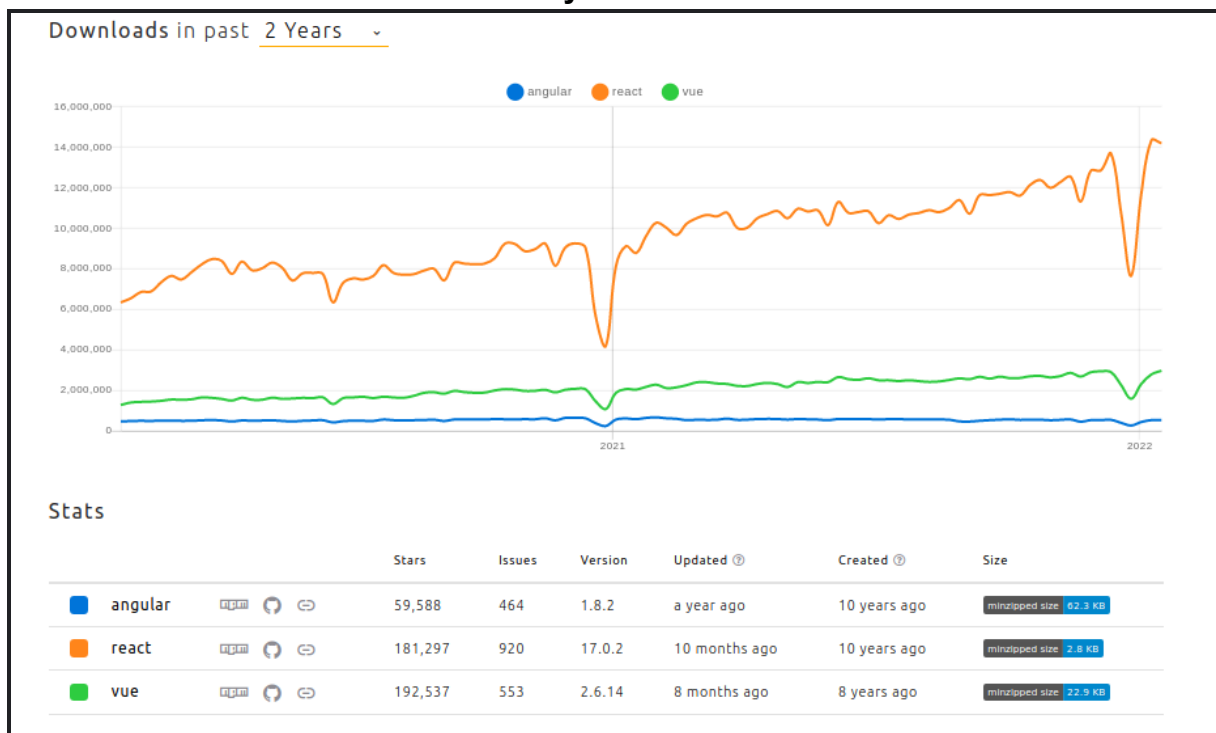
Which framework is easier to learn?

React and Vue are regarded by professionals and developers as being simpler to understand than Angular.

Which framework offers the most features?

Feature	Angular	React	Vue
UI / DOM Manipulation	✓	✓	✓
State Management	✓	✓	✓
Routing	✓	✗	✓
Form Validation & Handling	✓	✗	✗
Http Client	✓	✗	✗

What framework is more widely used?



Which framework offers more documentation?

Resources for React and Angular are many. There are a lot of websites focused on both frameworks, and there are even more youtube tutorials online

Vue kind of strikes a midway ground - It has solid documentation and a small but very active community on YouTube.

Which framework is better?

React is better than Angular due to its virtual DOM implementation and rendering optimizations

5: Conclusion:

React, Vue, and Angular, are certainly to most chosen technologies for a Single Page Application

The option ultimately comes down to the kind of project we are tasked with and its specific requirements.

I choose React since it is now the most well-liked and straightforward to understand. I feel more at ease with the huge amount of support from the community and packages continuously developed for it

Used Resources:

[Angular vs React vs Vue - My Thoughts \(academind.com\)](#)

[Angular vs React vs Vue.js: Which is the Best Choice for 2022? | by Sophia Martin | JavaScript in Plain English](#)