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Angular vs vue vs react performance

The framework is the heart of all technology. Whether you're a beginner, a leading developer, freelancer, or project leader, it's a wise decision to be aware of the pros and cons of each framework in detail. This article can help you better understand each frame along with trends and insights. Let's start with 1. Overview and History of Angular, React & Vue Angular is a Typescript-based open source web application framework led by the Angular team of Google and the community of individuals and companies. Angular is a complete transcription from the same team that built AngularJS. Developed by: Google Current Version: Angular 10/24 June, 2020 First release: 2.0/14 September 2016 Official documentation: Angular React is an open source JavaScript library for building user interfaces or UI components. It is maintained by Facebook and a community of individual developers and companies. React can be used as a base for developing single-page or mobile apps. Developed by: Facebook Current version: 16.13.1/March 19, 2020 First edition: May 29, 2013 Official documentation: React Vue.js an open source model-viewmodel JavaScript framework for building user interfaces and single-page applications. It was created by Evan You and maintains his and the other active core team members coming from various companies like Netflix and Netguru. Developed by: Evan You & Team Current version: 2.6.11/December 13, 2019 Initial release: February 2014 Official documentation: VueJS 2. Who is popular in 2020? NPM Trends Survey: NPM Trend to survey most downloaded packages and found they respond in advance to square and vue NPM Trends Survey: This is about what technology has worked in the past, willing to work and willing to learn. Google Trends Survey It shows developers interest level to work with technology. NPM Trends Survey: The technology used by developers at an expert level. 3. Performance : Angular vs React vs Vue Overview Performance is one of the most important considerations to be considered for front-end application. And when it comes to evaluating the performance of Angular, React and Vue, keep in mind that DOM is considered the user interface of any application. Both React and Angular use different approaches to updating HTML files, but Vue brings out the best in both react and angular frameworks. Let's get deep into Angular vs React vs Vue comparison: Angular Pros: MVC architecture allows Angular to divide tasks into logical chunks, reducing the initial load time of a web page. MVC also allows you to isolate concerns because the view section is present on the client side, drastically reducing queries in the background. Cons : Due to the many features of this framework, sometimes they can create a burden on projects, each translating into a more difficult application and slower performance, react or vue. New, significant changes are often introduced. This can cause problems for developers when Them. React Pros: React is a front-of-the-foreground library that uses virtual DOM and improves the performance of applications that require regular content updates. Like Instagram. React is based on one-way data flow. This will regulate the whole project as a better way. Up-to-date factor. The Facebook team supports the library. Advice or code samples can be given by the Facebook community. React+ES6/7 will make your app state-of-the-art and suitable for high-load systems. Cons: Learning curve. Since no full frame system framework is required in-depth knowledge integration user interface free library MVC framework. View-oriented is one of the drawbacks of ReactJS. To solve the View problem, Model and Controller must be found. Not using a isomorf approach to exploit application leads to search engines indexing problems. Many developers don't like JSX React documentation, manuals are a lot for newcomers. React's large library. VueJS Pros: Vue makes development quite simple as the production-ready design weighs 20KB after min+gzip. This is faster runtime and stimulates development and allows developers to separate template virtual DOM from compiler. More than that, if you have a minimum project size, you don't have to put an extra effort into over-optimization. One of the most important advantages of using Vue.js its size, as the construction project ready for production weighs only 20 KB after min + gzip. Size is unbeatable with all other frameworks, such as Angular, ReactJS, and jQuery. Cons: Common plugins are useful as they work with various other tools to make development easy. Vue.js doesn't have the most common plugins, and that's the downside of Vue.js. Being a new member of a family, Vue has the smallest community support like React and Angular. 4. Update: Angular vs React vs Vue Sometimes upgrading from one version to another can be a problem for developers. If you compare the update process for Angular vs React vs Vue in 2020, you'll be surprised if you know vue is the easiest and fastest to upgrade. It allows you to dive deep into this. Angular Angular usually releases major updates every six months. In addition, you have an additional six months before the main APIs become obsolete. This ultimately means that developers have two six-month release cycles to make the necessary changes. React used by some big giants like Twitter. Facebook also believes that stability is the biggest concern in this regard. When it comes to Vue vs. Angular vs React in 2020, updates to versions tend to be much more accessible than Square and Vue. Scripts like React codemod ensure smooth migration from one version to another and provide stability. VueJS VueJS is the smartest opportunities for developers. If you add web developers, they only need to use one migration helper to change your site, as 90% of APIs are still in the if you decide to migrate ver 1 to Ver 2. 5. Frame Size: Square Vs React Vs Vue Considering the following size of each frame and library, Vue and React are suitable for easy application, while Angular is a good fit for complex and heavyweight applications. Angular Angular comes with a wide range of features and empowers developers with templates for testing utilities. If you're planning on developing a large-scale, feature-rich app, then Angular is the ideal choice for your next project. React React isn't a frame like Square, and it doesn't provide you with a large spectrum of libraries like Angular does. That's why React is the right framework for modern web development. VueJS Vue is the smallest of other frames and libraries, as mentioned above, an ideal choice for easy web development and single-page applications. If you want to choose a directory that is simple and smaller in size, Vue is the best option. 6. Installation: Angular Vs React Vs Vue The speed of configuration depends solely on the number of directories available to the developer. Therefore, it was also found that developing a web application is faster and easier in Angular than React, while react's architecture is simpler than Angular. Angular as an angular framework that handles everything from project creation to code optimization, this is the most challenging framework for general deployment. However, because Angular offers a wide range of features, developers can get a fully optimized package application that can be installed on any static host using a single command. Reacts while React doesn't come with the same tool as Angular or Vue, it makes a compromise on flexibility. React lets you mix and match any library. As the ecosystem grows, we now have CLI tools like Create React App and Next.js. VueJS Compared to Angular and React, Vue's pre-encoding structure allows you to quickly deploy your app without compromising the performance of your app. With a simple command, you can use exactly what you need in development. Developing the app is quick and easy with Vue; therefore, it is an ideal option for startups. 7. Community support: Angular vs React vs Vue Angular and React have the support of Google and Facebook, so of course they have strong community support, while Vue is still in the open source community. Angular Square launch in 2010, and it has continuously maintained and supported by Google and came out with frequent updates every six months. React React will be launched and maintained by Facebook as a javascript library in 2013, providing rich framework features. VueJS Being a new member and there was no such active community back as Square and React, but still, it's used by leading companies including EuroNews, Alibaba etc. 8. How do you choose?: Angular Vs. Vs Vue Why Angular? When When requirement to develop a large-scale application. Framework organize the structure in more scalable ways When you develop real-time application than messenger. When developing native applications, hybrid applications are for long-term projects. Typing adopts an object-oriented approach. Why are you reacting? If you need to develop cross-platform applications.. Develop an easy enterprise application in a short period of time. Strong community support and solution. Update existing application features and features.. Why vuejs? Once you have tons developed smart, fast and powerful applications. Upgrade your existing project to a modern framework, but with limited resources if you have community support instead of your company. 9. Used Companies: Square Vs React Vs Vue 10. Quick Summary Conclusion Many frames are available on the market for JavaScript such as Node, Man, Meteor etc. But Angular, reacts and Vue is the true king of the kingdom. We compare different aspects and parameters. The goal is to help you understand the basic functions & functionality of the frameworks, so you can choose the right framework for your next project. References : webdev zone, levelup encoding, npm trends, github Do not distract from comparison, choose wisely! Connect me on Twitter and LinkedIn If you want to make an article about any Web Development concept, you can leave the topic down in the comments. Feedback very welcome

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