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Applied Research

Documentation

## 1. Which framework will be used for front-end? (Literature study method)

Currently in the web development industry, the number of technologies, frameworks, and tools is rapidly increasing.

When choosing a particular framework or library, JavaScript has plethora of options for front-end development, such as VueJS, TezJS and Svelte. However Angular and React secure their places at the top of the list as many developers prefer them for their front-end development frameworks due to popularity.

### 1.1. What are reasons that React is preferred than Angular? (Literature study method)

React JS offers many excellent front-end benefits to users and developers. Here are some of the prime advantages of React JS you can leverage:

* React offers an easy debugging process (Raval, 2022). The code is reusable.
* It’s easier to learn because of its easy and simple design.
* It allows developers to migrate their app in react very easy.
* It supports both Android and iOS platforms.
* React JS is view-oriented .
* It has faster updates with both server-side and front-end support.
* It supports a React Native library that offers efficient performance.

## 2. Which framework will be used for back-end?

## (Literature study, Community search method)

Today they are many programming languages and frameworks, but only a few are frequently in use. These languages are Java, C#, Python, Kotlin, etc. The most popular frameworks nowadays are Spring Boot – Java and ASP .NET Core for C#.

### 2.1. In what ways Spring Boot framework is more convenient to be used than ASP .NET Core? (Literature study, Community searched method)

ASP .NET Core is an Open Source, General-Purpose Development Platform Maintained by Microsoft, and the .NET Community. Cross-platform (supporting Windows, macOS, and Linux) and can be used to build device, cloud, and IoT applications. Spring Boot creates Spring-powered, production-grade applications and services with absolute minimum fuss. Spring Boot makes it easy to create stand-alone, production-grade, Spring based Applications that you can "just run", which is why it’s preferred to be used.

## 3. Ways to saves images in the database?

### 3.1 Does using a cloud for storage is more effective than saving them in a file system?

## 4. What are the advantages of using tailwindcss for styling web pages?

## 5. Which database should be used for storing data?

# Bibliography

Clark, J. (2022, January 19). *Top 10 backend frameworks - Which is the best?* Retrieved from back4app: https://blog.back4app.com/backend-frameworks/

Maciejko, E. (2020, July 28). *.Net Core vs Spring Boot*. Retrieved from stackshare: https://stackshare.io/stackups/dot-net-core-vs-spring-boot

Raval, N. (2022, August 31). *Web development. React vs Angular: Which JS Framework to pick for Front-end Development?* Retrieved from Radix: https://radixweb.com/blog/react-vs-angular