**Research report  
Javascript frame**



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# **Introduction**

## Problem description

A JavaScript framework is a pre-built collection of tools and libraries that provides a structured way to develop web applications. In today’s landscape, it’s essential to use JavaScript frameworks to build the front-end of a web application. They offer pre-written code and patterns to handle common tasks, making it faster and easier for developers to create robust and efficient web applications.   
  
There are many JavaScript frameworks that exist and they keep evolving, each having their own strengths and weaknesses. The choice of a framework is very important, as it directly impacts the efficiency, performance, maintainability and scalability of web applications is impacted.

For my project “Gamify” it was recommended to use either: AngularJS, React or Vue.js for the front-end. I don’t have any insight about JavaScript frameworks, so with this research report I hope to gain a good understanding of these frameworks and determine which is most suitable for my project.

## Main question

Which of the following JavaScript frameworks is the most suitable for GamifyWork: AngularJS, React or Vue.js?

## Sub questions

1. What are the strengths and weaknesses for the chosen JavaScript frameworks.
2. What is the level of community support and availability of resources for learning and troubleshooting for AngularJS, React, and Vue.js?
3. What security features and vulnerabilities exist in each framework?
4. What is the level of flexibility and customization offered by each framework?

# **Results**

## Sub question 1

## Sub question 2

## Sub question 3

## Sub question 4

# **Resolution**

## Conclusion

## Recommendation

# **References**

# **Version History**

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| --- | --- |
| **When?** | **What?** |
| 21/09/2023 | First start |