

# Research web application

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## Introduction

In this document you will find every piece of research I did for the learningoutcome web application. Based on this research I made choices for my project. After every piece of research I made a conclusion on what option I chosed

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## Frontend

For my frontend I used Vue. I chose to use Vue because on many forums I read that it was easy to learn. Also the coding speed of Vue is much faster than Angular or React. The community behind Vue is smaller than Angular and React. But as far I can see it is big enough to answer your questions. Also the Vue community keeps growing. The Vue framework also runs faster than React or Angular because it is a lightweight framework. The readability plays a big part in my choice for Vue. For me it's important that I can easily read and maintain code files. In Vue all components are stored in separate files. It's also very nice that you can reuse pieces of code named templates. I use the Vue bootstrap library so I can pick easily pre-designed futures. (10ReasonsWhyVue, n.d.) (WhyVue, n.d.)

## Backend

In my backend I chose to use C#. In my previous semester I also used C# but in that project I created some queries all by myself. This semester we have to use an ORM. Because C# has entity framework I chose C#. I want to see both sides in C#. Making the queries by your own and using a ORM. In my main project I use C# but I also want to learn new languages. That's the reason why I also make a backend in Java. This is a kind of prototype to also try how Java works. I think it's good to orientate on other languages. Later when you finished school it's important that master not only one language but master the learning of new languages.

## Sources

<https://medium.com/reverdev/why-we-moved-from-angular-2-to-vue-js-and-why-we-didnt-choose-react-ef807d9f4163>

<https://medium.com/@inverita/10-reasons-why-vue-js-is-so-popular-in-2022-d825f342a9a3>