# Technologies

My decision of choosing of dev technologies is based on job market’s demand.

In New Zealand between 60 and 80% of the all jobs are .NET jobs. Most of these jobs require knowledge in ASP.NET. Most in-demand DB technology (about 80%) is MS SQL Server.

1. ASP.NET core
   1. 60-80% of all jobs in New Zealand are in ASP.NET MVC
   2. Even though companies still use ASP Web Forms, ASP MVC or even ASP classic, ASP.NET core is the most perspective technology for Web.
2. MS SQL Server as a data storage
   1. Although I dealt last years with Mongo Db, I decided to work with MS Server to polish up my SQL skills.

After additional research, I decided to use the cutting-edge Razor Page MS technology instead of MVC because Microsoft and developers say: this is the new [standard](https://hackernoon.com/asp-net-core-razor-pages-vs-mvc-which-will-create-better-web-apps-in-2018-bd137ae0acaa): it has better performance, separation of concerns, better integration with EF and more similar to MVVM pattern.

## Limitation

Convenience of usage MS technologies and if you change it for Mongo for instance it will be less convenient and will take much more time to develop.

## Source control

I learnt how to work with Git Hub in personal (not corporate) way. Without paid license with bells and whistles.

# The project

The application is supporting tool for a person who takes learning language serious. This is private dictionary for learning words and nothing more than that. You can add new words you learnt with translation and learn it afterwards by memorization game: you will have the word and 3 options to choose. You can change direction: from native to foreign and vice versa. You can make a mistake for two times only, after the third mistake – game will be over. You will win if you guess all words in the list. Instead of creation of huge bunch of words (the game will be for hours), there is the option to create as much lists as you want.