

**Study year:** SS 2023

**Semester:** 2

## Project team

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## Title of the project

The best Discord Bot

## Problem description

Nowadays, Discord is being used as a platform to communicate with peers and other students. However, problems arise when you are trying to watch the same video, play music in the background while studying or using certain features that the platform, as is, does not have to offer. Especially for users with one computer screen, it serves as a challenge to switch back and forth between numerous open tabs. This can be confusing and time consuming for anyone wanting to study or hang out with their friends on a discord server.

## Solution description

We want to implement a Discord bot, that with a command joins into the server, and depending on certain key-phrases you type into the chat, you are able to use certain features of it. Whether it be watching videos together, listening to music or simple features like polls, fetching data from APIs or interacting with other websites and/or platforms. This would make a Discord server much more useful and diverse, while also increasing usability.

## Technical environment

The only hardware needed is a PC/Laptop. For programming languages, we found out that JavaScript is the most common programming language for Discord bots. However, depending on the task that the bot has to complete, it might be necessary to write in multiple languages. But for the most part, our focus is definitely JavaScript.

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