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| Lucie Brosson  <https://github.com/Lucie-Maya/Big_Data_and_Self-project-y2s2> |

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| Al the Debater |
| A discord Bot |

Icon

Description automatically generated

**Description :**

As an avid debater, being on the same page and having the same information’s make debating much more interesting. Who has not been in a discussion where one of the party does not agree on a definition or a fact. It creates a poor environment for an enriching debate impossible and frustrate everyone. With Al the debater, I am proposing a tool to facilitate the research of information’s directly on the platform the debate is taking place.

Al the debater is a discord bot here to help you win debate and fact check your opponent with the different options.

Al proposes different options, in function of your need. To use one of the options call it followed by the words needed for the search.

Example, you want information’s on the reproduction of pinguin from 1980 to 2000. You will ask : Al statistic reproduction pinguin 1980 2000. Al the debater will search on the API and give you the result.

Another aspect of the that I would like to develop is its personality. I would like to make Al the debater more than just a research interface but also a friendly and enjoyable communicator. In this part of the project, I would like to create hidden commands that would create an engagement between the bot and you. Al the debater will a nerdy, know it all nature.

**Platform used :**

I will use the discord developer portal to create the bot on the discord platform and will code it on Atom.

**Bots and Data :**

* Discord developer portal

**API :**

* AFP – global news agency - <https://www.afp.com/en/products/afp-content-api>
* Google scholar - <https://serpapi.com/google-scholar-api>
* Wikipedia bot - <https://www.mediawiki.org/wiki/API:Main_page>
* Oxford dictionary API - <https://developer.oxforddictionaries.com/>

**Command of the bot :**

*Statistic* : using the AFP API you will be able to get statistic on politics and world data.

*Definition* : using the oxford dictionary API, Al will give you a definition of the world you are searching

*Description* : using the Wikipedia API, Al will give you a description of the subject you are searching for. Example of command: Al description stop motion.

*Date and context* – using Wikipedia API, Al will give you the date of the events you are searching or the event corresponding to a date.

*Study* – if a study is cited, it can be verified using the study command associated to the google scholar API

*Artwork* – using the Wikipedia API, Al will search the artwork and give you the name of the artwork, the name of the artist, the date, and an image of the artwork (or video if needed)

*Movie* - using the Wikipedia API, Al will search for the movie and give you the name of the movie, its date of release, the name of director and main actor, the picture of the movie poster and a short description.

*Fun fact / Random fact –* it will give you a random fact from any of the API for your own curiosity.

Other command could be *how are you* and other.

**Sketch of the interface :**

A screenshot of a computer screen

Description automatically generated with medium confidence

**Timeline**

**What I need to do :**

* Generate API keys (and create account)
* Create the Discord bot with easy command (that does not require an API)
* Create commands with the API (for every command), their will be two kinds of commands, the research command and the direct command.

The research command will have a string attach to the command to access the wanted data by the users.

The direct command, will not need to be specific to the user in its research.

* Give a personality to AL
* Test the bot (test the rapidity of the result, test its accuracy from the given words, test its usability in a debate environment)

07/06

31/05

24/05

17/05

10/05

03/05