

## Portfolio assignment 1: Bad bots

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### Files and sources:

The assignment is programmed in Python 3.9

My solution includes 3 python script files: client.py, server.py and bots.py

As well as 2 json files: verbs-all.json and verbs-index.json

I have created verbs-index.json myself.

Verbs-all.json is taken from the github repository verb.forms.dictionary by user monolithpl, Wiktor Jakubczyc.

<https://github.com/monolithpl/verb.forms.dictionary>

The repository uses the MIT License

verb.forms.dictionary README:

<https://github.com/monolithpl/verb.forms.dictionary/blob/master/README.md>

### How to run:

The files take these arguments:

py server.py <port>

py client.py <ip-address> <port> <username>

As mentioned in the assignment server.py is already bound to localhost in the code.

To run as a bot you choose one of the bot usernames: (case sensitive)

The program works also with all three bots running at the same time.

Bot\_Anna

Bot\_George

Bot\_Paul

To run as a user and be able to pass suggestions and arguments to the bots you need to choose any other name than the bot names, and then type in the chat.

The bots react to any type of verb in any tense (bøying) except the most common linking and helping verbs mentioned in the array blacklistedVerbs in bots.py

An example run would be: (Each command in their own terminal)

py server.py 40

py client.py localhost 40 Per

py client.py localhost 40 Bot\_Anna

py client.py localhost 40 Bot\_George

py client.py localhost 40 Bot\_Paul

## **Commands:**

As the server you can run a couple of commands:

/shutdown - shuts down the server and disconnects every client

/list - gives you a list of every connected client

As the client you can run one command:

/quit - ends the session with the server