

Design Document: George The Robot

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1 Goals

This goal of this program is to create a discord bot that can learn shortened names for personal tags, then use them in further commands. George will be equipped with data persistence, variable storage, and a slew of commands for interacting with users.

2 Design

George is built in python, using discord.py and it's associated packages. George, upon initialization, will scan the relevant .txt file (data.txt) for data on the last run, load the variables into a dictionary, and will choose a status out of a previously defined set. After George initializes, he will idle until receiving a command via a chat string. George will be able to update the dictionary and data.txt by recieving a 'learn' command.

2.1 Network Hosting

George will be deployed onto an AWS server once development reaches the appropriate time.

2.2 Commands

TBD

2.3 Pseudocode

Functions: Initialization: Initialize dict, load variables from text, set status
init dict
open data.txt filestream
get length of file
read through, line by line, terminating at end of file established in last step
use pattern matching per line to load vars into dict
once completed, close data.txt
set status
listen for commands
