

<https://github.com/sloma/ChatVader2.0>

## COSC 310 Assignment 3 By Salim Bouassida 53340105

### ReadMe

#### Part 1:

How to open GG.Bot : double clic on GG.bot.jar

#### Part 2:

The Project is separated into five Classes

-The Bot class is the Brain of the program. It takes the input from the user, simplify it, check for synonym, use the keywords to search for a match, then returns an output that matches the keyword.

-The GUI class is all the visual aspect of the bot. it also class the bot class with the input entered in the input box, and display the chat in the Chatbox.

-The Library stores all the Key/output

-The Synonym checks for eventual synonym, which

facilitate the search for output

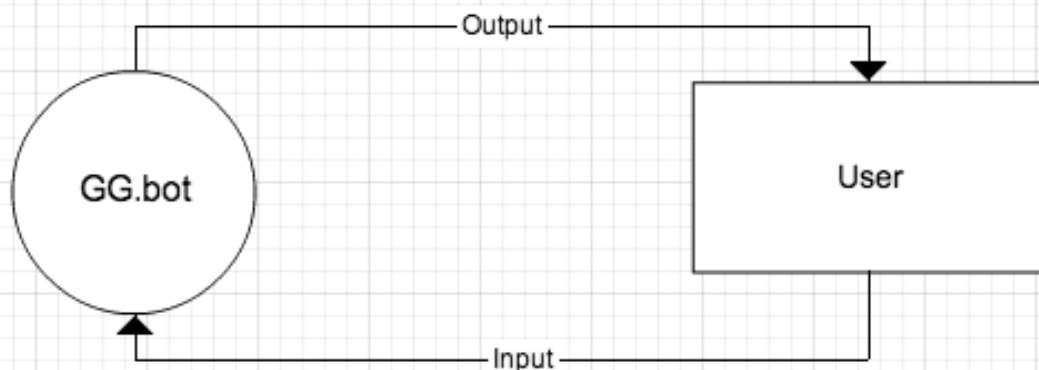
-The new frame class turns the Chat on.

## DFD lvl 0

There is only one user on GG.bot, therefore there is only one entity.

The only goal of this Bot is to chat with the user and look as real as possible. Therefore the only process is GG.bot

LVLO DFD



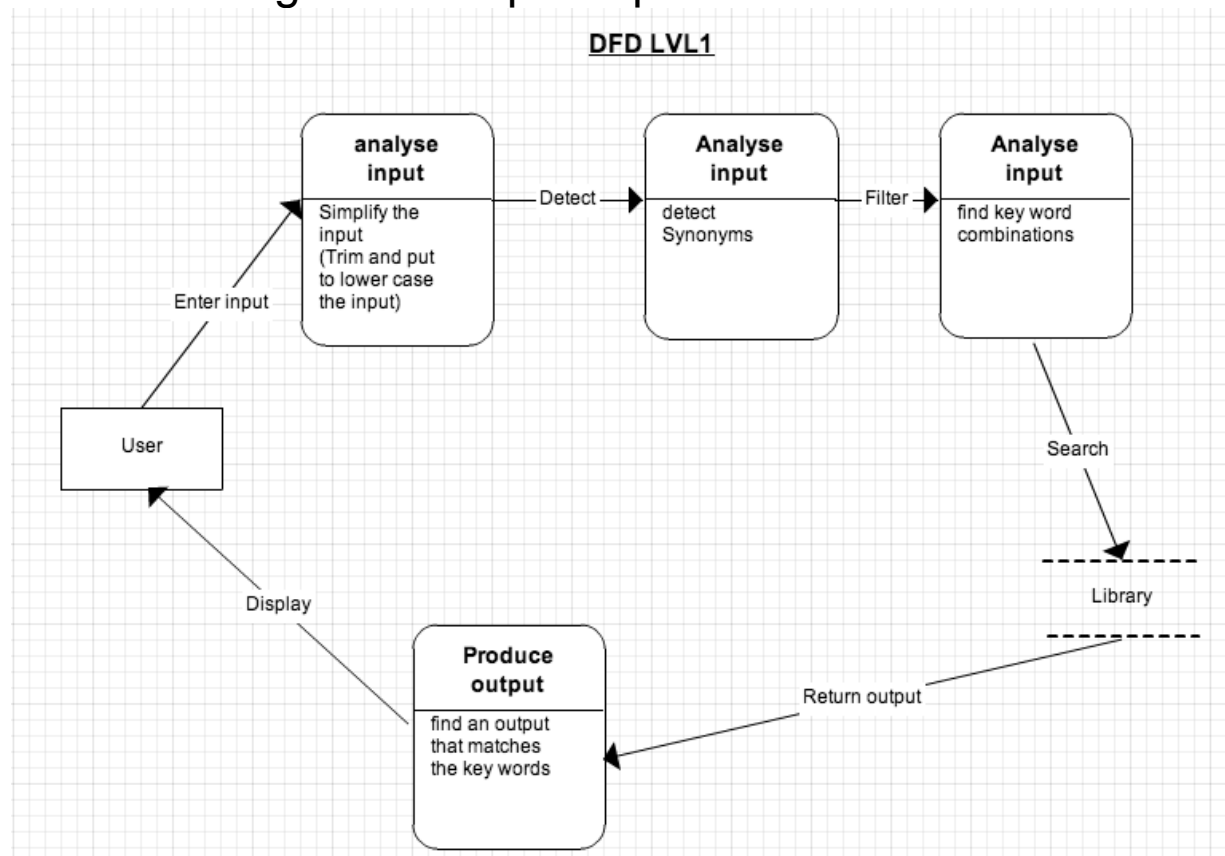
## DFD lvl 1

At this level we go more in detail on how the Chat works.

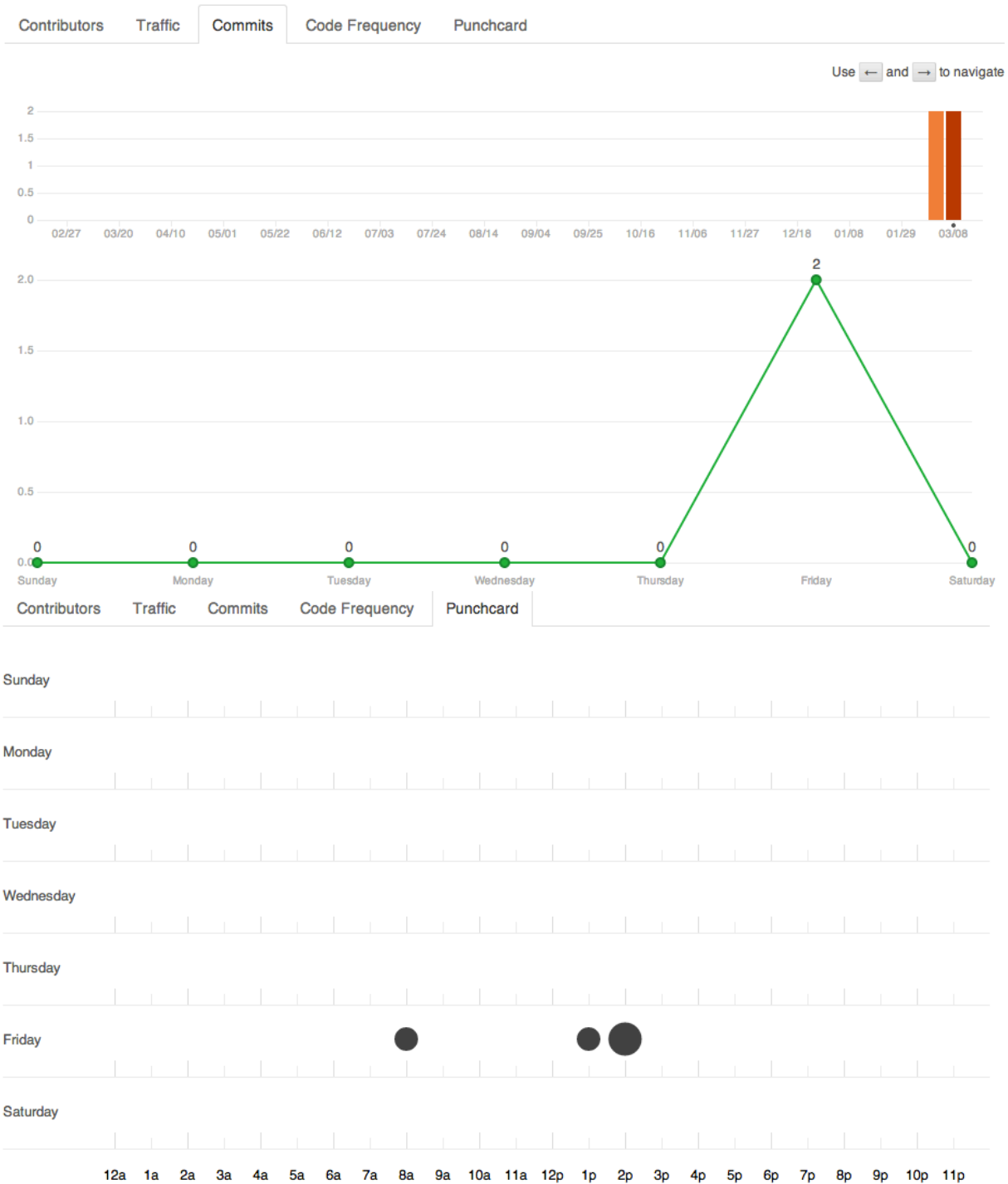
The input entered by the user is simplified, decomposed, and detect synonyms.

If there are any keywords that matches the one in the library, then the bot returns an output specific to that input.

Otherwise a generic output is produced.



# GitHub:



### Sample Input/output:

<User>Hi!

<GGbot>Hello, how can I help you?

<User>Yoooooooooooo

<GGbot>Greeting, how can I help you?

<User>What's League of Legends?

<GGbot>League of legends is a Multiplayer Online Battle Arena video game developed by Riot Games. It was inspired by DOTA. it is a 5 vs 5 player game, You control one champion and the goal is to destroy the enemy's base."

<User>What's a champion?

<GGbot>A champion is a character that you can play in the game. Each champion has a dominant role in the

game.

<User>What roles are there?

<GGbot>There are currently 5 different roles in the current Meta: Top/Mid/jungler/Support/Marksman. My mainly explain the jungle Role here

<User>Meta?

<GGbot>The Meta is the dominant strategy at the moment

<User>Cool thanks.

<GGbot>You are welcome! Do you have any more questions?

<User>yes

<GGbot>Great! what do you have on your mind?

<User>\*\*\*\*\*

<GGbot>No need to be rude...

<User>What is a jungler?

<GGbot>The jungler is here to help others lanes to get an advantage. When the jungler is not ganking, he is killing neutral monsters and keeping track of respawn times.

There a different category of junglers

<User>What's a gank?

<GGbot>Gank means that one or more players come to kill the enemy. A gank is said to be successful if the enemy dies or wasted his spells.

<User>ok, so when should you gank?

<GGbot>You should gank a lane when the enemy:\n-is low HP\n-wasted a spell with a long cooldown\n-did not ward his lane

<User>What's a ward?

<GGbot>A ward is an item that you can place on the ground and that allows you to see an area. Trinkets last

120 min, Green wards last 180 min, and Pink wards last until the enemy kill them";

<User>what's a spell?

<GGbot>Each champion has 3 basic spells and one ultimate. You can improve those spells when you level up. In addition you have summoner spells that are general to all the champions (example flash)

<User>CC?

<GGbot>CC means Crowd control , such as stuns, slows, fears, etc

<User>GG?

<GGbot>GG Means Good Game

<User>BG?

<GGbot>BG means Bad Game

<User>How can i win my lane?



<GGbot>Your goal in lane is:

- Earn gold(get CS/Kills/Objectives"
- Deny gold to the enemy(by zoning/killing)
- Warn your allies when your enemy is missing
- Avoid dying by warding your lane and playing

carefully when enemies are missing

<User>What are the objectives

<GGbot>The Objectives in game are :

Nexus>Towers>Baron>Dragon

<User>Baron?

<GGbot>Baron Nashor is the strongest creep in the game.

It gives a decent amount of gold and a buff.

<User>when does Nashor respwan?

<GGbot>blue and red: 5min dragon: 6min baron: 7min

<User>cool thx

<GGbot>My pleasure! Do you need anything else?

<User>yes, who won season 3 ?

<GGbot>Season one: Fnatic season two: TPA season three: SKT

<User>What is the LCS?

<GGbot>The LCS is an 8-team league where teams will play 28 games

<User>What counters Jayce?

<GGbot>each champion has a counter. You can find the list of counter on [championselect.com](http://championselect.com)

<User>What's a build?

<GGbot>A Build is a set of items that you have

<User>What are the different categories of champion?

<GGbot>There are a few categories of champions:  
assassins, tanks, mage, marksman, support, bruiser

<User>Bruiser sounds cool, what is it ?

<GGbot>A bruiser is a tanky champion that can still deal a decent amount of damage

<User>I don't know if i asked, but when should I gank a lane?

<GGbot>You should gank a lane when the enemy:

- is low HP

- wasted a spell with a long cooldown

- did not ward his lane

<User>perfect Bye!

<GGbot> Good day sir.

### Five Features:

- Key words search are done like a tree

## Input

Hi What Where Who How When

Then another filter is done, who gives a good output that matches the input

- Double arrays with {Keyword,output}, Which make it easy to find a correct output
- simplify the input, by using only the root of the keywords
- A good looking GUI
- There is a Synonym class, that makes the search easier.

