**CST-301: Project Part 3**

Group C1

Mar 31 2024

After downloading each file from github, you must unzip the java.zip file.

Within PyCharm, you must create a python project with whichever name you want. After creating and opening this project you must add in each of these github files like this:

A screenshot of a computer

Description automatically generated

After adding in each file, you must go the PyCharm Settings. In these setting click on Project: Project Name -> Python Interpreter:

A screenshot of a computer program

Description automatically generated

Then click the ‘Plus’ button to install extra interpreters:

A screenshot of a computer

Description automatically generated

You must type in and download these packages (antlr4-python3-runtime, PyQt5, bs4, spacy):

A screenshot of a computer program

Description automatically generated

After installing each of these packages you must then install G4F in the interpreter, but you must specify the version to ‘2.3.0’:  
A screenshot of a computer

Description automatically generated

After these have been installed you can exit out of the PyCharm settings. After exiting in the terminal to the side of PyCharm you must run the command ‘python -m spacy download en\_core\_web\_lg’:  
A screen shot of a computer program

Description automatically generated

Upon each of these being installed, you should be able to run the ‘main.py’ program in PyCharm. Upon running, a window should pop up with the parse tree on it. You can click each arrow on the side in order to open up the parsed tree. After closing this window, a file named ‘parse\_tree.json’ will be created in PyCharm. If you open it you will be able to see the exported json file:

A screenshot of a computer

Description automatically generatedA screen shot of a computer program

Description automatically generated

In the terminal the reserved words, variable, and node types will be printed out. Then the descriptions of the imported files along with their similarity score label and chatgpt assigned label will be printed out:  
A screenshot of a computer screen

Description automatically generated

Along with this, the chatgpt given summary of what each method (mapped to its imported class) does will be printed out:

A screenshot of a computer program

Description automatically generated

If you want to change/look at the java file input, change the path of the global variable input\_file to a file within test\_files.