

## **User Manual**

The executable JAR file can be found inside the Product folder of the project.

### **To the run program:**

1. Open command prompt and change your directory to where the jar file is.
2. Type `java -jar GieseCompiler.jar testPascal.txt` and hit enter. `testPascal.txt` is the input pascal file that is to be compiled, and it can be passed in as either a `.txt` or a `.pas` file.

The program will then produce a `.asm` file containing the generated MIPS assembly code. Open this file with a text program to view the assembly code. NOTE: Notepad displays the output code all on the same line, but Notepad++ displays it with the correct returns.

Next up is to run the generated MIPS code. This `.asm` file can be run in the QtSPIM program by first opening QtSPIM, and then clicking the load file in the top left corner. A screen will then pop up prompting you to navigate to your newly generated `.asm` file, where you will then select it and click open. Now click the green play arrow located on the top bar, and it will execute the given MIPS code. Alternatively, you can click the steps button and slowly walk through the program.

### **Common Errors:**

No file – Occurs when the given file cannot be found or is of an incorrect file type.

Scan error – The program encountered an error during the scanner section. Usually means that there is an incorrect token type in the given file.