

Teamwork

In total there are two members of the group for this capstone project. We worked in a ‘pair programming’ system where member 1 was responsible for primarily coding the project, while member 2 developed interesting tests to ensure the project meets its design goals.

Member 1 was responsible for programming the project. This took the majority of the time to complete at roughly 40 hours. This task included: studying the program architecture, understanding the algorithms, and technical implementation. Member 1 implemented a lexical parser that parses the raw input into meaningful tokens and statements that the program can combine. They also implemented a method for execution of these statements in Java. Member 1 also implemented a method to compile the program into raw JVM Bytecode to produce a compiled version of the program.

Member 2 was responsible for creating tests and for creating documentation. This took relatively little time, roughly 4 hours. These tasks included developing interesting tests to ensure the developed software functions as expected and meets desired specifications. In addition, they developed a language guide for Catscript detailing different language features and syntax. This documentation is important for any future work or for individuals interested in using Catscript so they can understand features of the language and how to use it.