

CS536 Project 5 Michael Tuchler Drew Kyser

This project involved modifying the `ast.java` file to perform type-checking analysis on the input files. By traversing our AST with type-checking method in the same manner as the unparsed and name-analysis methods, we determined when variables, structs, and functions are used improperly with type mismatches, usage of operators, and assignments.

Our program correctly parses and analyzes the input files and throws errors in case all the type mismatch errors listed in the P5 description. Our `test.crt` file is parsed and analyzed correctly, with no errors. Our `testErrors.crt` file throws all possible errors listed in the P5 description in various different contexts. We hope that these test files are sufficient to demonstrate our immaculate attention to detail, and superior coding ability.