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Part 3 Project

Function Overloading

Progress

I updated FunDecl.java with a new String variable funParamKey to have a unique function name/parameter key for the symbol and type table. Function names can no longer be our unique key for the symbol/type table because of function overloading so the new key is a String that holds the function name and the parameter names with underscores.

For example:

```
fun void f(int x, int y) {}
```

will be "f_int_int".

I updated the static checker to check to use the funParamKey as a unique name instead of the function name so it will allow duplicate function names with unique parameters.

I started writing some unit tests cases to test the ASTParser.

Left to Finish

I need to write more unit tests and make sure that the new code works for all function overloading cases.

If I discover an error while writing my unit test cases I will need to fix that too.

Instructions

I only have test cases written in the ASTparser test but I plan to add more.

To Build: `bazel build //...`

To Test: `bazel test --test_output=errors //:ast-parser-test`