**Code Generation Class Diagram**

Program.iava

Iava error-free source code

Parse

Iava Parser

The parser module

**Code Generation Module**

Abstract Syntax Tree

Parses the Iava source file and outputs an AST.

Language Tokens

Tokens used by the grammar \ tree walker.

Get AST

Get Tokens

TranslatorTreeWalker

Walks the tree and translates Iava code to Java according to specifications.

InputHandler

Get input file to compile and compile it (main class)

Handle Errors

ErrorReporter

Handle compilation errors

Generated by

IErrorHandler

Informs the user of errors found during tree walking

Program.java

Send to User Experience Module

PrintErrorHandler

Implements IErrorHandler interface