CMPE202 – Java2UMLParser – Report

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**Part I – Introduction**

Project Java2UMLParser is a Java code parser that converts Java Source Code into a UML Class Diagram.

Programming language: Java

Tools: Intellij Ultimate 2017.1 (IU-171.3780.95)

JRE: 1.8.0\_112-release-736-b13 x86\_64

JVM: OpenJDK 64-Bit Server VM by JetBrains s.r.o

Libraries:

Java Grammar Parsers: javaparser-core-2.5.0.jar

UML Diagram Generators: <http://www.umlgraph.org>

Kanban board: <https://waffle.io/laura310/Java2UMLParser>

GitHub: <https://github.com/laura310/Java2UMLParser>

**Part II – Class Diagram**

Source Code

Execution Screenshot

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* The parser must be executable on the command line with the following format:
  + **umlparser** <source folder> <output file name>
  + <source folder> is a folder name where all the .java source files will be
  + <output file name> is the name of the output image file you program will generate ( .jpg, .png or .pdf format)

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Testing & Generated Diagram Pictures

uml-parser-test-1: generated graph:

uml-parser-test-2: generated graph:

uml-parser-test-3: generated graph:

uml-parser-test-4: generated graph:

uml-parser-test-5: generated graph:

**Part III – Sequence Diagram**

Introduction

Source Code

Execution Screenshot

Testing & Generated Diagram Pictures