Title: CMPE 202-Personal Project UML Parser

Name: Faisal Mohammad

Student id:010700300

Libraries

* **Javaparser**

Java Parser supports AST generation and visitor support. AST generated thus has the details of source code structure, Javadoc and comments.

Features of Javaparser:

* + Light weight
  + Performant
  + Easy to use
  + Modifiable AST
  + Create AST from scratch
  + Support for comments

It is easy to parse the java file using Javaparser and retrieve information such as class name, function names and variables

* **PlantUML:**

PlantUML tool allows the user to generate graphical representation of UML diagrams, using a simple text documents. It uses graphviz to generate the output locally. The grammar generated by the project is given as input to PlantUML. The PlantUML generates the corresponding diagram and saves it in the output file specified by the user.

* **Tools:**
  + **Eclipse MARS:**

Eclipse Integrated Development Environment (IDE) is used for implementation of the project. Eclipse has intellisense that speeds up the development process. Eclipse also provides the user with a quick fix for compile time errors that makes it easy to understand and remove errors from the program.