UML PARSER :

The UMLParser is a tool, which parses the java code and generates class diagram from the java source code. The input to the tool is a folder, which contains the list of the java files, and the output is a class diagram image of png format.

LIBRARIES :

1 . PlantUML (plantuum.jar)

PlantUML is a component, which helps us to draw UML diagrams such as class diagram, sequence diagram, activity diagram and much more. There is a specific grammer for the tool to draw the diagram. The properties from javaparser are modified to fit the grammer to generate the required class diagram.

2 . Javaparser 2.1.0

Javaparser is a lightweight, easy to use AST (Abstract Syntax Tree) generator, which helps to parse the java source code. It traverses the AST and retrieves the needed information about the properties of the classes and helps us to construct the input for the UML generator.
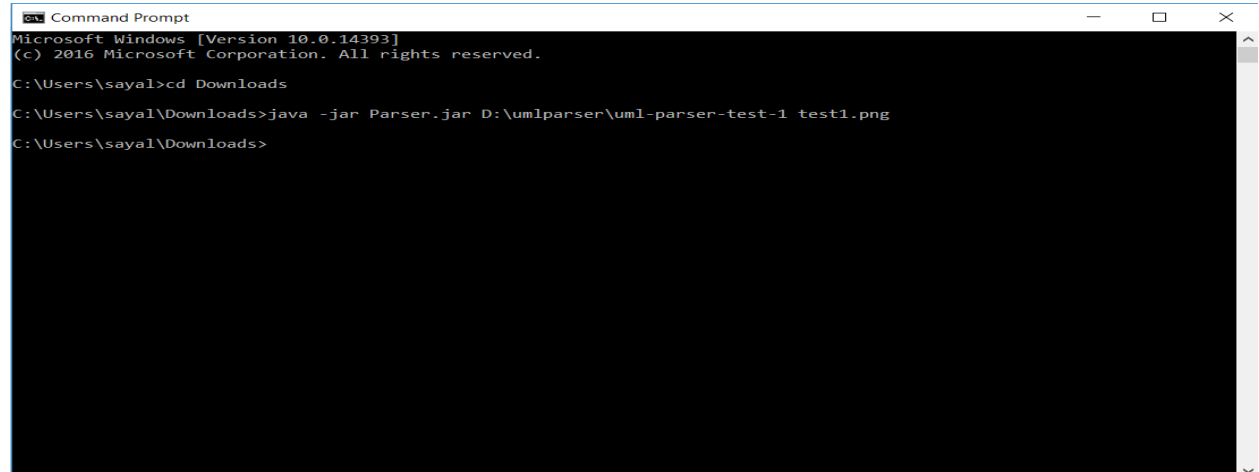
IDE :

1 . Eclipse Neon.2 Release (4.6.2)

Language : Java

Instruction to execute jar file:

1. Open command line and change the directory to the location of jar file
2. Write following command and enter
   java -jar parser.jar <Input folder path> <Output folder path>


```
Command Prompt                                                    —    □    ×
Microsoft Windows [Version 10.0.14393]
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C:\Users\sayal>cd Downloads

C:\Users\sayal\Downloads>java -jar Parser.jar D:\umlparser\uml-parser-test-1 test1.png

C:\Users\sayal\Downloads>
```