

Pre-requisites:

- Java 1.6(and above) JRE and JDK.
- Graphviz dot executable:
By default, the dot executable should be:
Windows:

Firstly, in: c:\Program Files\Graphviz*\bin\dot.exe

Then in: c:\Program Files (x86)\Graphviz*\bin\dot.exe

The GraphViz library is provided. It should be unpacked to:

'c:\Program Files\' or 'c:\Program Files (x86)\' (on windows)

Steps to import the project:

The UMLParserSource.zip is an eclipse IDE project. It contains the source code, javaParser and PlantUML libraries. Extract the zip file and import the project in eclipse.

In Eclipse, File -> import -> Under 'General' -> Existing projects into Workspace.

Compile and run in eclipse:

In Eclipse, Run -> Run Configurations -> Java Application -> New Launch Configuration ->

- Select the project as 'UMLParser',
- Main class as 'com.UMLParser.PlantUMLGenerator'
- Name for the configuration. Example - UMLParserConf
- Under arguments - Give program arguments as (arguments will be separated by spaces):
 - First argument is the complete path of the folder containing the .java source files to parsed. Any folder name on the path should not contain spaces. The path should end with '\' (on windows or '/' on Linux) indicating it is a folder.
 - Second argument is the path of the image file along with the image name and extension as png to store the generated UML diagram. If file is not present the file is created.

-> Apply -> Run.

Create a runnable jar file to run on command line:

In Eclipse, File -> Export -> Java -> Runnable Jar File ->

- Select the launch configuration that is previously created. Example – 'UMLParserConf – UMLParser'
- Library Handling -> Extract required libraries into generated Jar
- Browse and give the export destination to save the jar file with filename as 'umlparser'

-> Finish

Running the jar file on command line:

The parser is executable on the command line with the following format:

- **umlparser.jar** <classpath> <output file name>.png
- <classpath> is a folder name where all the .java source files will be
- <output file name> is the name of the output image file the program will generate

Example: umlparser.jar C:\Users\nageshsk\Desktop\UML_Test_cases\uml-parser-test-1\ test1.png