Usage instructions:

Download and unzip source code from github (provided as submission link).

The zip contains 4 important components.

1. Parser.jar
2. Yuml Folder (python module to convert yuml command to image)
3. umlparser.bat / umlparser.sh
4. Source code for reference in "Parser1" folder

After unzipping Make sure that the first 3 lie in the same folder

Steps

1. Unzip all files/folders in the same location
2. In command line change directory(cd) to the folder where all 3 are unzipped
3. Run the command:
   Windows:
   umlparser <Folder where java files are stored ***enclosed in double quotes***> <result.jpg>

   Linux:

   chmod u+x umlparser.sh

   ./umlparser.sh <Folder where java files are stored ***enclosed in double quotes***> <result.jpg>

Technical Details:

1. To parse the java source code, java parser from GitHub has been used.
   https://github.com/javaparser/javaparser
2. Intermediate yuml code is generated using the parser (Source code in parser1 folder) and the executable for the same is in parser.jar
3. Yuml provides python API to generate diagram (https://github.com/wandernauta/yuml)
   This is used in the project to generate UML diagram from yuml code.