

CMPE202 – Software Systems Engineering

Personal Project – UML Parser

April 2, 2016

Introduction

The UMLParser converts java code given as input into UML class diagram. It generates a .png file which contains the corresponding UML class diagram.

Libraries Used: javaparser

The UMLParser uses javaparser libraries available on following project on GitHub:

<https://github.com/javaparser/javaparser>

Specifically, it uses following imports:

```
com.github.javaparser.JavaParser
com.github.javaparser.ast.CompilationUnit
com.github.javaparser.ast.body.ClassOrInterfaceDeclaration
com.github.javaparser.ast.body.ConstructorDeclaration
com.github.javaparser.ast.body.FieldDeclaration
com.github.javaparser.ast.body.MethodDeclaration
com.github.javaparser.ast.body.ModifierSet
com.github.javaparser.ast.visitor.VoidVisitorAdapter
```



Tools Used: Y-UML

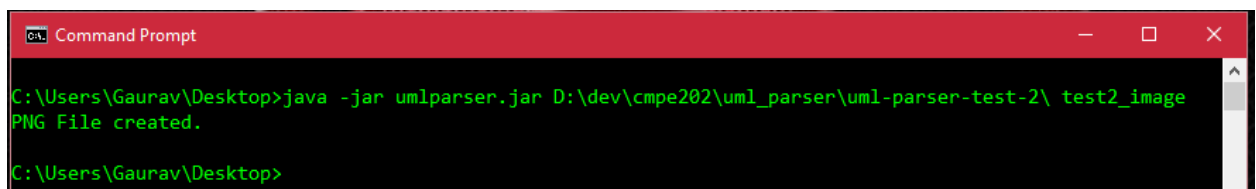
The UMLParser will generate a particular URL for the input java files. This URL will fetch an image from the service provided by <http://yuml.me/>.

HOW-TO:

JRE Requirement: JRE v1.5 or above.

Follow the steps below to use the UMLParser:

1. Place the **umlparger.jar**  on any directory on your machine.
umlparger.jar
2. Open the terminal  at the directory where the **umlparger.jar** is located.
3. Now, type a command:
java -jar umlparger.jar <classpath> <output_filename>
Here, *classpath* is the path where all java files are located.
And, *output_filename* is the name of the output image file.
4. Wait for a while, and there will be a **.png** created in the directory where **umlparger.jar** is located.



```
Command Prompt
C:\Users\Gaurav\Desktop>java -jar umlparger.jar D:\dev\cmpe202\uml_parser\uml-parser-test-2\ test2_image
PNG File created.
C:\Users\Gaurav\Desktop>
```