

# **CMPE 202 Personal Project :UML Parser**

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## **Libraries used:**

### **1. JavaParser:**

It is a parser used to parse the java code (javaparser-1.0.8.jar).It is easy to understand the Java Parser library and functions used in JavaParser.It helps to get/read the class,method,attributes names and body content of the java code using inbuild classes of JavaParser.

### **2.PlantUML:**

For generating UML diagram (plantuml.jar).It is used as a UML generator.It takes input generated by our parser program in perticular syntax and gives output as a class diagram which is very similar to actual class diagrams in UML.The syntax is very easy to understand and unambiguous.

## **Tools used:**

### **1.Graphviz:**

For generating image using Eclipse workspace (graphviz-2.30.1.msi).It is a software used to generate images.It helps a lot to generate an image on Eclipse graphviz console.

### **2.Eclipse:**

Eclipse is used for writing java code,also provides many libraries and functionalities.Also a Runnable jar file was prepared using EclipseIDE.I used Eclipse Java EE IDE for Web Developers.-- Mars Milestone 4 verison.

### **3.Operating System(Windows):**

Windows is very user friendly OS.It is easy to create a .bat file which is used for user defined commands on command line.