Lets assume the following java source files structure

- /home/poo/example/src/package1/Class1.java
- /home/poo/example/src/package1/Class2.java
- /home/poo/example/src/package2/Class3.java (main class)

Compile, execute and build the jar of the project

Change directory to /home/poo/workspace/example/src/:

\$ cd /home/poo/workspace/example/src/

Execute the Java Compiler javac for all classes:

\$ javac package1/\*.java package2/\*.java

Execute the program:

from the same location:

\$ java package2.Class3

from other locations:

\$ java -cp /home/poo/workspace/example/src/package2.Class3

Create the executable .jar:

- \$ echo Main-Class: package2.Class3 > manifest.mf
- \$ jar -cmf manifest.mf example.jar package1 package2

Execute the executable .jar:

\$ java -jar example.jar

## Get UML from code

Using the free eclipse plugin objectaid Class Diagram is possible to extract "UML" diagrams automatically from the source code (<a href="www.objectaid.net">www.objectaid.net</a>; install only Class Diagram; no warranties are provided on the soundness of this software; not installed in lab).

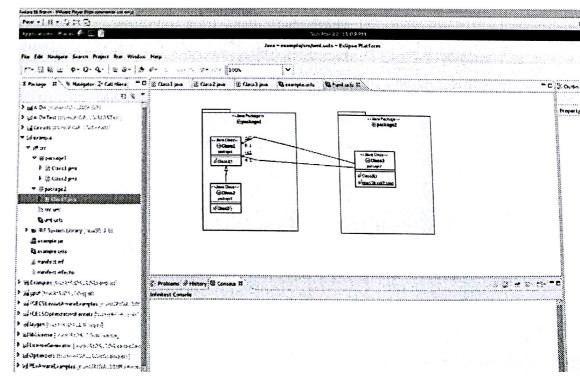
IMPORTANT: THE GENERATED DIAGRAM DO NOT MEET THE UML STANDARD, e.g. VISIBILITY it uses icon instead of  $\{+, -, \#, \sim\}$ 

new>other>objective aid>Class Diagram

Drag a drop your packages and classes to the diagram

Fix the layout

Done! (20 secs in this example)



## Scanned by CamScanner