**Installation instructions**

Environment: Window operating system & JDK 1.7

Note: To facilitate testing, please keep the absolute paths consistent with those in instructions document.

Step 1: Unzip the **plugin-decca.zip** to the directory: **D:\plugin-decca**

Recommended directory structure:

D:\plugin-decca

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├─decca-1.0.jar : decca source code

├─decca-1.0.pom : decca’s pom

├─soot-1.0.jar : program static analysis tool

├

├─ apache-maven-3.2.5: maven source code

Step 2: Install the plugin

Execute the following **cmd** command to install **soot**:

D:\plugin-decca\apache-maven-3.2.5\bin\mvn.bat install:install-file -Dfile=D:\plugin-decca\soot-1.0.jar -DgroupId=neu.lab -DartifactId=soot -Dversion=1.0 -Dpackaging=jar

Execute the following **cmd** command to install **decca**:

D:\plugin-decca\apache-maven-3.2.5\bin\mvn.bat install:install-file -Dfile=D:\plugin-decca\decca-1.0.jar -DgroupId=neu.lab -DartifactId=decca -Dversion=1.0 -Dpackaging=maven-plugin -DpomFile=D:\plugin-decca\decca-1.0.pom

How to use Decca?

**Dataset:** 1. Ground truth dataset.xlsx (Ground truth dataset discription)

2. gitHub\_old (all the subjects with DC issues for testing)

**Execute Decca:**

Execute the following cmd command:

D:\plugin-decca\apache-maven-3.2.5\bin\mvn.bat -f=D:\rawData\gitHub\_old\abdera-abdera-1.1.2-RC2\extensions\features package -Dmaven.test.skip=true neu.lab:decca:1.0:detect

**The results of Decca**

<project project="Project name" projectInfo=" Absolute path of the project">

<conflicts>

<conflictJar groupId-artifactId="Conflicting JAR name" versions="Version No." riskLevel="Warning level"">

<versions>

<version versionId="Unloaded conflicting version" loaded="false">

<path>Dependency path from host project to unloaded JAR</path>

</version>

</versions>

<RiskMethods tip="method that may be used but will not be loaded !">

<RiskMthd>the referenced feature set but will not be loaded</RiskMthd>

</RiskMethods>

</conflictJar>

</conflicts>

</project>