**Jakob Roberts - V00484900 - SENG 371 - Lab 3**

Maven

* **QUESTION: How do you run mvn generate in batch mode?**
  + It is possible to get rid of the interactivity of the Maven Archetype Plugin by setting the interactive property to false or by using the -B flag. A couple of meaningful properties are then required:
    - The archetypeGroupId, archetypeArtifactId and archetypeVersion defines the archetype to use for project generation.
    - The groupId, artifactId, version and package are the main properties to be set. Each archetype require these properties. Some archetypes define other properties; refer to the appropriate archetype's documentation if needed.
* **QUESTION: What occurs in the mvn generate process when you DO NOT use batch mode?**
  + If no batch mode is used, the generator prompts the user for all the required information to generate the new project.
* **QUESTION: What version of java did you compile for?**
  + Java 7
* **QUESTION: What does the app do?**
  + Prints “Hello World!”, or at least it should...
* **QUESTION: Describe how the JUnit test architecture works**
  + It makes a new AppTest, and makes a new test suite within that that creates individual test functions, one being called testApp(), then it calls it. It is very confusing…..
* **QUESTION: Is/How is the suite function relevant?**
  + The suite I guess helps “build” the test cases to be run and packages them neatly together?
* **QUESTION: How did you determine this?**
  + Examining the JUnit API and looking at the lovely hierarchy chart <http://junit.sourceforge.net/junit3.8.1/javadoc/junit/framework/package-tree.html>

**POM.xml on the following page**

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4\_0\_0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>com.mycompany.app</groupId>

<artifactId>my-app</artifactId>

<packaging>jar</packaging>

<version>1.0-SNAPSHOT</version>

<name>my-app</name>

<url>http://maven.apache.org</url>

<dependencies>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>3.8.1</version>

<scope>test</scope>

</dependency>

</dependencies>

<build>

<plugins>

<plugin>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-checkstyle-plugin</artifactId>

<version>2.17</version>

<executions>

<execution>

<id>validate</id>

<phase>validate</phase>

<configuration>

<configLocation>checkstyle.xml</configLocation>

<encoding>UTF-8</encoding>

<consoleOutput>true</consoleOutput>

<failsOnError>true</failsOnError>

<linkXRef>false</linkXRef>

</configuration>

<goals>

<goal>check</goal>

</goals>

</execution>

</executions>

</plugin>

</plugins>

</build>

</project>