

Maven Assignment

Maven installation:

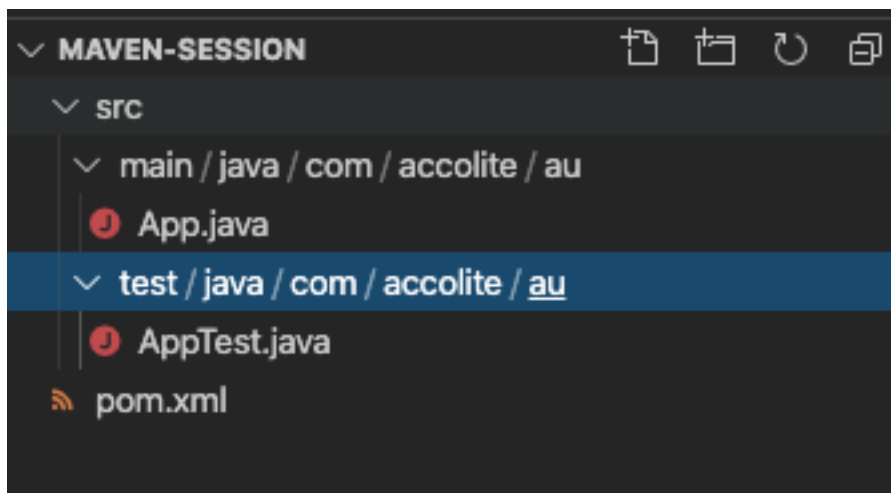
```
[Mohans-MacBook-Air:~ mohan$ mvn -v]
Apache Maven 3.6.3 (cecedd343002696d0abb50b32b541b8a6ba2883f)
Maven home: /Users/mohan/Downloads/apache-maven-3.6.3
Java version: 14.0.2, vendor: Oracle Corporation, runtime: /Users/mohan/Library/
Java/JavaVirtualMachines/openjdk-14.0.2/Contents/Home
Default locale: en_US, platform encoding: UTF-8
OS name: "mac os x", version: "10.15.6", arch: "x86_64", family: "mac"
```

Create simple project using maven:

```
mvn archetype:generate -DgroupId=com.accolite.au -DartifactId=maven-session
-Dpackage=com.accolite.au -Dversion=1.0 -DarchetypeArtifactId=maven-archetype-
quickstart -DinteractiveMode=false
```

```
Mohans-MacBook-Air:~ mohan$ mvn archetype:generate -DgroupId=com.accolite.au -Da
rtifactId=maven-session -Dpackage=com.accolite.au -Dversion=1.0 -DarchetypeArtif
actId=maven-archetype-quickstart -DinteractiveMode=false
[INFO] Scanning for projects...
[INFO]
[INFO] -----< org.apache.maven:standalone-pom >-----
[INFO] Building Maven Stub Project (No POM) 1
[INFO] -----[ pom ]-----
[INFO]
[INFO] >>> maven-archetype-plugin:3.2.0:generate (default-cli) > generate-source
s @ standalone-pom >>>
[INFO]
[INFO] <<< maven-archetype-plugin:3.2.0:generate (default-cli) < generate-source
s @ standalone-pom <<<
[INFO]
[INFO]
[INFO] --- maven-archetype-plugin:3.2.0:generate (default-cli) @ standalone-pom
---
```

Directory:



Maven Assignment

Pom.xml

```
pom.xml
1 <?xml version="1.0" encoding="UTF-8" ?>
2 <project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
3   xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4_0_0.xsd">
4   <modelVersion>4.0.0</modelVersion>
5   <groupId>com.accolite.au</groupId>
6   <artifactId>maven-session</artifactId>
7   <packaging>jar</packaging>
8   <version>1.0</version>
9   <name>maven-session</name>
10  <url>http://maven.apache.org</url>
11  <dependencies>
12    <dependency>
13      <groupId>junit</groupId>
14      <artifactId>junit</artifactId>
15      <version>3.8.1</version>
16      <scope>test</scope>
17    </dependency>
18  </dependencies>
19 </project>
```

mvn install

```
Mohans-MacBook-Air:maven-session mohan$ mvn install;
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.accolite.au:maven-session >-----
[INFO] Building maven-session 1.0
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ maven-session ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory /Users/mohan/Desktop/maven-session/src/main/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ maven-session ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ maven-session ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory /Users/mohan/Desktop/maven-session/src/test/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ maven-session ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ maven-session ---
```

To run the project:

mvn exec:java -Dexec.mainClass=com.accolite.au.App

```
Maven File Structure
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 15.432 s
[INFO] Finished at: 2020-07-28T12:12:41+05:30
[INFO] -----
```

Maven Assignment

Q2 Creating the WebApp requires mentioning the DarchetypeArtifactId accordingly:

```
mvn archetype:generate -DgroupId=com.accolite.au -DartifactId=webapp-session -  
-DarchetypeGroupId=org.apache.maven.archetypes -DarchetypeArtifactId=maven-archetype-webapp  
-DarchetypeVersion=1.4
```

```
Mohans-MacBook-Air:desktop mohan$ mvn archetype:generate -DgroupId=com.accolite.  
au -DartifactId=webapp-session -DarchetypeGroupId=org.apache.maven.archetypes -D  
archetypeArtifactId=maven-archetype-webapp -DarchetypeVersion=1.4  
[INFO] Scanning for projects...  
[INFO]  
[INFO] -----< org.apache.maven:standalone-pom >-----  
[INFO] Building Maven Stub Project (No POM) 1  
[INFO] -----[ pom ]-----  
[INFO]  
[INFO] >>> maven-archetype-plugin:3.2.0:generate (default-cli) > generate-source  
s @ standalone-pom >>>  
[INFO]  
[INFO] <<< maven-archetype-plugin:3.2.0:generate (default-cli) < generate-source  
s @ standalone-pom <<<  
[INFO]  
[INFO]  
[INFO] --- maven-archetype-plugin:3.2.0:generate (default-cli) @ standalone-pom  
---
```

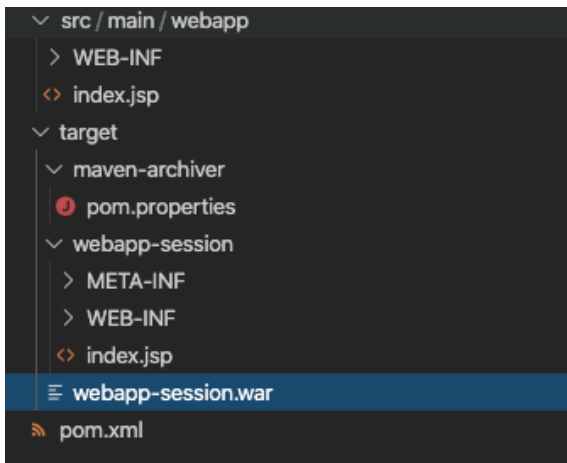
```
[INFO] Project created from Archetype in dir: /Users/mohan/Desktop/webapp-sessio  
n  
[INFO] -----  
[INFO] BUILD SUCCESS  
[INFO] -----  
[INFO] Total time: 02:08 min  
[INFO] Finished at: 2020-07-28T12:21:10+05:30  
[INFO] -----
```

mvn install

```
[INFO] Installing /Users/mohan/Desktop/webapp-session/pom.xml to /Users/mohan/.m  
2/repository/com/accolite/au/webapp-session/default/webapp-session-default.pom  
[INFO] -----  
[INFO] BUILD SUCCESS  
[INFO] -----  
[INFO] Total time: 01:11 min  
[INFO] Finished at: 2020-07-28T12:24:35+05:30  
[INFO] -----
```

Maven Assignment

Directory Structure:



pom.xml file:

