

Maven specs after installation:

```
C:\Users\blin\Desktop\webApp\webapp-session>mvn -v
Apache Maven 3.6.3 (cecedd343002696d0abb50b32b541b8a6ba2883f)
Maven home: C:\Program Files\apache-maven-3.6.3\bin\..
Java version: 14.0.2, vendor: Oracle Corporation, runtime: C:\Program Files\Java\jdk-14.0.2
Default locale: en_IN, platform encoding: Cp1252
OS name: "windows 10", version: "10.0", arch: "amd64", family: "windows"
```

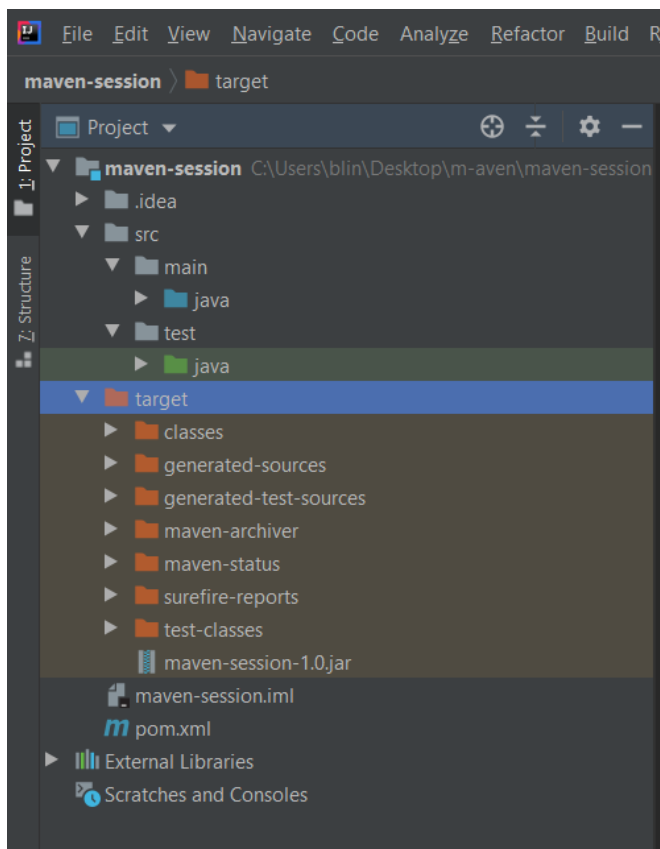
Creating a sample project using maven:

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

```
C:\Users\blin\Desktop\m-aven>mvn archetype:generate -DgroupId=com.accolite.au -DartifactId=maven-session -Dpackage=com.accolite.au -Dversion=1.0 -DarchetypeArtifactId=maven-archetype-quickstart -DinteractiveMode=false
[INFO] Scanning for projects...
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-clean-plugin/2.5/maven-clean-plugin-2.5.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-clean-plugin/2.5/maven-clean-plugin-2.5.pom (3.9 kB at 1.7 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-plugins/22/maven-plugins-22.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-plugins/22/maven-plugins-22.pom (13 kB at 10 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-parent/21/maven-parent-21.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-parent/21/maven-parent-21.pom (26 kB at 41 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/apache/10/apache-10.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/apache/10/apache-10.pom (15 kB at 23 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-clean-plugin/2.5/maven-clean-plugin-2.5.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-clean-plugin/2.5/maven-clean-plugin-2.5.jar (25 kB at 35 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-install-plugin/2.4/maven-install-plugin-2.4.pom
```

```
[INFO] project created from Old (1.x) Archetype in dir: C:\Users\blin\Desktop\m-aven\maven-session
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 02:41 min
[INFO] Finished at: 2020-07-27T18:04:00+05:30
[INFO] -----
```

Directory Structure:



The pom.xml file:

```

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  <properties>
12    <maven.compiler.source>1.7</maven.compiler.source>
13    <maven.compiler.target>1.7</maven.compiler.target>
14  </properties>
15  <dependencies>
16    <dependency>
17      <groupId>junit</groupId>
18      <artifactId>junit</artifactId>
19      <version>3.8.1</version>
20      <scope>test</scope>
21    </dependency>
22  </dependencies>
23 </project>

```

changing the directory to maven-session, run the following command:

mvn install

```

C:\Users\blin\Desktop\m-aven\maven-session>mvn install
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.accolite.au:maven-session >-----
[INFO] Building maven-session 1.0
[INFO] -----[ jar ]-----
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-resources-plugin/2.6.1/maven-resources-plugin-2.6.1.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-resources-plugin/2.6.1/maven-resources-plugin-2.6.1.jar
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-resources-plugin/2.6.1/maven-resources-plugin-2.6.1.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-resources-plugin/2.6.1/maven-resources-plugin-2.6.1.jar

```

To run the project:

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

```

C:\Users\blin\Desktop\m-aven\maven-session>mvn exec:java -Dexec.mainClass=com.accolite.au.App
[INFO] Scanning for projects...
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/mojo/exec-maven-plugin/maven-metadata.xml
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/mojo/exec-maven-plugin/maven-metadata.xml
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/mojo/exec-maven-plugin/3.0.0/exec-maven-plugin-3.0.0.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/mojo/exec-maven-plugin/3.0.0/exec-maven-plugin-3.0.0.jar
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/mojo/mojo-parent/50/mojo-parent-50.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/mojo/mojo-parent/50/mojo-parent-50.pom
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/mojo/mojo-parent/50/mojo-parent-50.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/mojo/mojo-parent/50/mojo-parent-50.pom
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/mojo/mojo-parent/50/mojo-parent-50.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/mojo/mojo-parent/50/mojo-parent-50.pom
[INFO]
[INFO] -----< com.accolite.au:maven-session >-----
[INFO] Building maven-session 1.0
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- exec-maven-plugin:3.0.0:java (default-cli) @ maven-session ---
Hello World!
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] -----
[INFO] Total time: 15.541 s
[INFO] Finished at: 2020-07-27T18:35:51+05:30
[INFO] -----

```

2. Creating the WebApp requires mentioning the DarchetypeArtifactId accordingly:

mvn archetype:generate -DgroupId=com.Khushbu.au -DartifactId=webapp-session -

DarchetypeGroupId=org.apache.maven.archetypes -DarchetypeArtifactId=maven-archetype-webapp -

DarchetypeVersion=1.4

```

C:\Users\blin\Desktop\webApp>mvn archetype:generate -DarchetypeGroupId=org.apache.maven.archetypes -DarchetypeArtifactId=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-sources @ standalone-pom >>>
[INFO]
[INFO] <<< maven-archetype-plugin:3.2.0:generate (default-cli) < generate-sources @ standalone-pom <<<
[INFO]

```

Inputs provided:

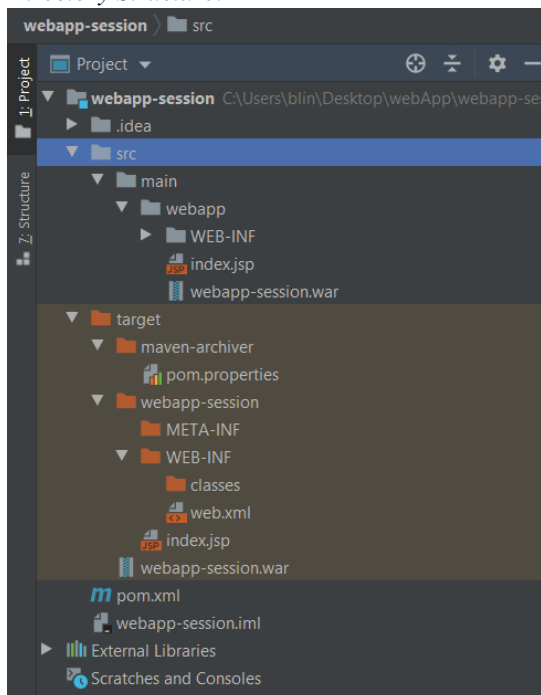
```
Define value for property 'groupId': com.Khushbu.au
Define value for property 'artifactId': webapp-session
Define value for property 'version' 1.0-SNAPSHOT: : 1.0
Define value for property 'package' com.Khushbu.au: :
Confirm properties configuration:
groupId: com.Khushbu.au
artifactId: webapp-session
version: 1.0
package: com.Khushbu.au
Y: : Y
```

Changing to the webapp-session directory and running:

`mvn install`

```
C:\Users\blin\Desktop\webApp\webapp-session>mvn install
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.Khushbu.au:webapp-session >-----
[INFO] Building webapp-session Maven Webapp 1.0
[INFO] -----[ war ]-----
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-resources-plugin-3.0.2.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-resources-plugin-3.0.2.pom (7.1 kB at 3.7 kB/s)
```

Directory Structure:



The pom.xml file:

```
<?xml version="1.0" encoding="UTF-8"?>
<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/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>

  <groupId>com.Khushbu.au</groupId>
  <artifactId>webapp-session</artifactId>
  <version>1.0</version>
  <packaging>war</packaging>

  <name>webapp-session Maven Webapp</name>
  <!-- FIXME change it to the project's website -->
  <url>http://www.example.com</url>

  <properties>...</properties>

  <dependencies>...</dependencies>

  <build>...</build>
</project>
```