

# Structure

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# Outline

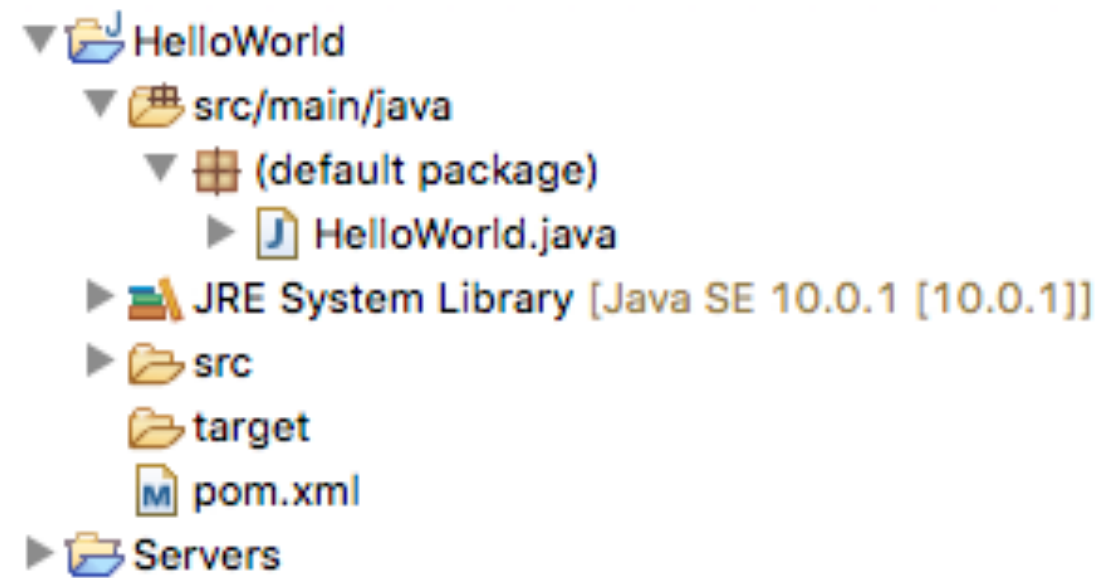
**Folder Structure**

**POM File Basics**

**Basic Commands and Goals**

**Dependencies**

**Local Repo**



**src/main/java**

**target**

**pom.xml**

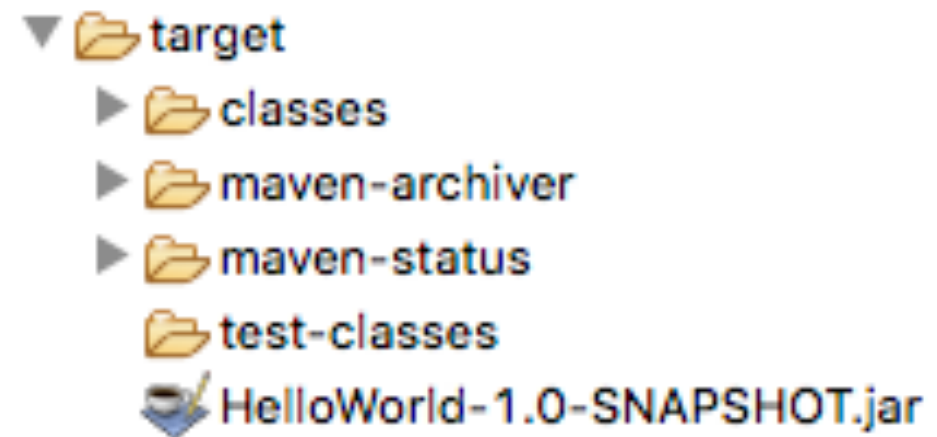
src/main/java

**Java Code**

**Package Declaration**

**Other Languages**

**Testing**



**Compilation Directory**

**Tests**

**Package Contents**

# pom.xml

```
<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">
```

```
<groupId>com.pluralsight</groupId>  
<artifactId>HelloWorld</artifactId>  
<version>1.0-SNAPSHOT</version>  
<modelVersion>4.0.0</modelVersion>  
<packaging>jar</packaging>
```

```
</project>
```

# Dependencies

**Naming Convention**

**groupId, artifactId, version**

**Dependencies section**

# pom.xml with new dependency

```
<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">

  <groupId>com.pluralsight</groupId>
  <artifactId>HelloWorld</artifactId>
  <version>1.0-SNAPSHOT</version>
  <modelVersion>4.0.0</modelVersion>

  <dependencies>
    <dependency>
      <groupId>org.apache.commons</groupId>
      <artifactId>commons-lang3</artifactId>
      <version>3.8.1</version>
    </dependency>
  </dependencies>

</project>
```



Goals

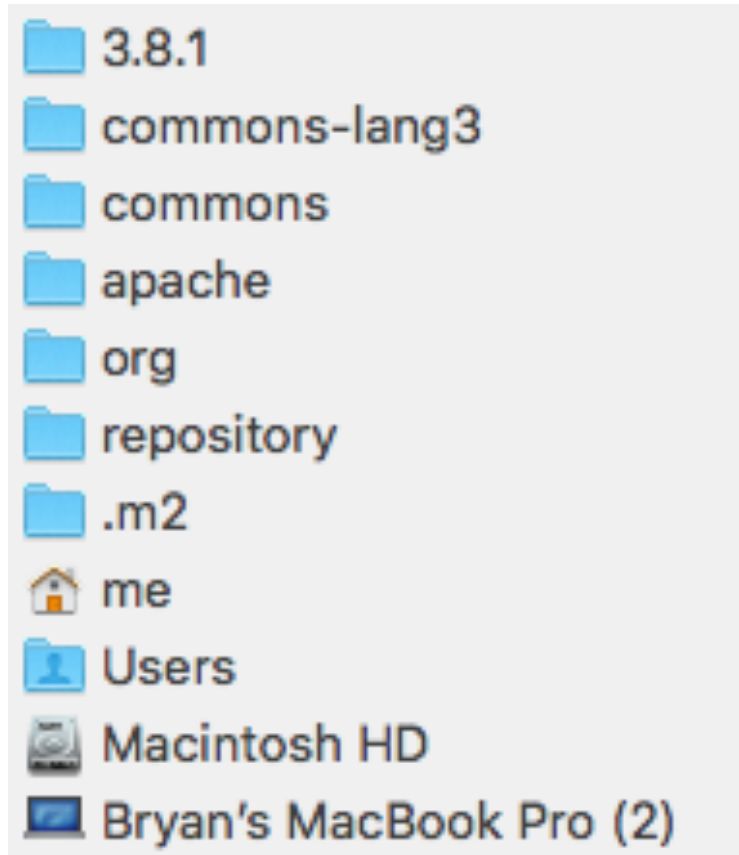
**clean**

**compile**

**package**

**install**

**deploy**



## Maven storage

`~/.m2/repository`

Stores artifact using info

`<groupId>/<artifactId>/<version>`

Avoids duplication

Defaults

**Maven**

**Build**

**Structure**

# Summary

**src/main/java**

**target**

**Pom sections**

**Goals**

**Dependency**

**~/.m2/repository**

**Defaults**