

## Exercise 4: Maven Setup

Exercise 4: Creating and Configuring a Maven Project

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Scenario:

Set up a fresh Maven project named LibraryManagement with Spring dependencies.

1. Create project folder and generate pom.xml

```
mvn archetype:generate -DgroupId=com.library -DartifactId=LibraryManagement -DarchetypeArtifactId=maven-archetype-quickstart -DinteractiveMode=false
```

2. Add Spring dependencies to pom.xml:

```
<dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-context</artifactId>
  <version>5.3.38</version>
</dependency>
<dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-aop</artifactId>
  <version>5.3.38</version>
</dependency>
<dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-webmvc</artifactId>
  <version>5.3.38</version>
</dependency>
```

3. Configure Maven compiler plugin

```
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-compiler-plugin</artifactId>
  <version>3.11.0</version>
  <configuration>
    <source>1.8</source>
    <target>1.8</target>
  </configuration>
</plugin>
```

Build with: `mvn clean package`