Exercise 4: Creating and Configuring a Maven Project

Pom.xml:

```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/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>

  <groupId>com.library</groupId>
  <artifactId>LibraryManagement</artifactId>
  <version>1.0-SNAPSHOT</version>

  <properties>
    <java.version>1.8</java.version>
  </properties>

  <dependencies>
    <!-- Spring Context (Core + Beans + Context + Expression) -->
    <dependency>
      <groupId>org.springframework</groupId>
      <artifactId>spring-context</artifactId>
      <version>5.3.34</version>
    </dependency>

    <!-- Spring AOP -->
```

```xml
    <dependency>

        <groupId>org.springframework</groupId>

        <artifactId>spring-aop</artifactId>

        <version>5.3.34</version>

    </dependency>


    <!-- Spring Web MVC -->

    <dependency>

        <groupId>org.springframework</groupId>

        <artifactId>spring-webmvc</artifactId>

        <version>5.3.34</version>

    </dependency>

</dependencies>


<!-- Step 3: Configure Maven Plugins -->
<build>

    <plugins>

        <!-- Maven Compiler Plugin -->

        <plugin>

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

            <artifactId>maven-compiler-plugin</artifactId>

            <version>3.8.1</version>

            <configuration>

                <source>${java.version}</source>

                <target>${java.version}</target>

            </configuration>
```

```xml
        </plugin>

        <!-- Optional: Maven Exec Plugin for running Java classes -->
        <plugin>
          <groupId>org.codehaus.mojo</groupId>
          <artifactId>exec-maven-plugin</artifactId>
          <version>3.1.0</version>
          <configuration>
            <mainClass>com.library.App</mainClass>
          </configuration>
        </plugin>
      </plugins>
  </build>

</project>
```

Steps done:

1: crested a maven project

2: added spring context ,AOP,and WebMVC

3: Configured Maven Compiler Plugin for Java 1.8