**Pom.xml**

<?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.example</groupId>  
 <artifactId>Library-management-DI</artifactId>  
 <version>1.0-SNAPSHOT</version>  
 <dependencies>  
 <!-- Spring Core Context Dependency -->  
 <dependency>  
 <groupId>org.springframework</groupId>  
 <artifactId>spring-context</artifactId>  
 <version>5.3.32</version>  
 </dependency>  
 </dependencies>  
 <properties>  
 <maven.compiler.source>23</maven.compiler.source>  
 <maven.compiler.target>23</maven.compiler.target>  
 <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>  
 </properties>  
  
</project>

**BookService.java**

package com.library.service;  
  
import com.library.repository.BookRepository;  
  
public class BookService {  
 private BookRepository bookRepository;  
  
 // Setter for Dependency Injection  
 public void setBookRepository(BookRepository bookRepository) {  
 this.bookRepository = bookRepository;  
 }  
  
 public void addBook(String title) {  
 System.*out*.println("BookService: Adding book → " + title);  
 bookRepository.saveBook(title);  
 }  
}

**BookRepository.java**

package com.library.repository;  
  
public class BookRepository {  
 public void saveBook(String title) {  
 System.*out*.println("BookRepository: Saving book → " + title);  
 }  
}

**MainApp.java**

package com.library.main;  
  
import com.library.service.BookService;  
import org.springframework.context.ApplicationContext;  
import org.springframework.context.support.ClassPathXmlApplicationContext;  
  
public class MainApp {  
 public static void main(String[] args) {  
 // Load the Spring container from XML  
 ApplicationContext context = new ClassPathXmlApplicationContext("applicationContext.xml");  
  
 // Get the BookService bean from container  
 BookService service = context.getBean("bookService", BookService.class);  
  
 // Use the service method  
 service.addBook("Spring in Action");  
 }  
}

**OUTPUT:---**

A screenshot of a computer program

AI-generated content may be incorrect.