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/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>com.library</groupId>

<artifactId>LibraryManagement</artifactId>

<version>1.0-SNAPSHOT</version>

<dependencies>

<!-- Spring Core dependency -->

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-core</artifactId>

<version>5.3.9</version>

</dependency>

<!-- Spring Context dependency -->

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-context</artifactId>

<version>5.3.9</version>

</dependency>

</dependencies>

</project>

applicationContext.xml

<beans xmlns="http://www.springframework.org/schema/beans"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://www.springframework.org/schema/beans

http://www.springframework.org/schema/beans/spring-beans.xsd">

<!-- Bean definition for BookRepository -->

<bean id="bookRepository" class="com.library.repository.BookRepository"/>

<!-- Bean definition for BookService -->

<bean id="bookService" class="com.library.service.BookService">

<property name="bookRepository" ref="bookRepository"/>

</bean>

</beans>

com.library.service

package com.library.service;

import com.library.repository.BookRepository;

public class BookService {

private BookRepository bookRepository;

// Setter for bookRepository

public void setBookRepository(BookRepository bookRepository) {

this.bookRepository = bookRepository;

}

// Service method to add a book

public void addBook(String bookName) {

bookRepository.save(bookName);

System.out.println("Book added: " + bookName);

}

}

package com.library.repository;

public class BookRepository {

// Repository method to save a book

public void save(String bookName) {

System.out.println("Saving book: " + bookName);

}

}

package com.library;

import com.library.service.BookService;

import org.springframework.context.ApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

public class Main {

public static void main(String[] args) {

// Load the Spring context

ApplicationContext context = new ClassPathXmlApplicationContext("applicationContext.xml");

// Get the BookService bean

BookService bookService = (BookService) context.getBean("bookService");

// Test the BookService

bookService.addBook("Spring in Action");

}

}

Saving book: Spring in Action

Book added: Spring in Action