1.Set Up a Spring Project

Pom.xml

```
project xmIns="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
 <artifactId>LibraryManagement</artifactId>
  <version>1.0</version>
 <dependencies>
    <!-- Spring Core -->
    <dependency>
      <groupId>org.springframework
      <artifactId>spring-context</artifactId>
      <version>5.3.34</version>
    </dependency>
 </dependencies>
</project>
2. Configure the Application Context
<?xml version="1.0" encoding="UTF-8"?>
```

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

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

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

http://www.springframework.org/schema/beans

xsi:schemaLocation="

```
<bean id="bookRepository" class="com.library.repository.BookRepository" />
  <bean id="bookService" class="com.library.service.BookService">
    cproperty name="bookRepository" ref="bookRepository"/>
  </bean>
</beans>
3.Define Service and Repository Classes
com/library/repository/BookRepository.java
package com.library.repository;
public class BookRepository {
  public void saveBook(String title) {
    System.out.println("BookRepository: Saving book titled \"" + title + "\" to the database.");
  }
}
com/library/service/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 titled \"" + title + "\"...");
    bookRepository.saveBook(title);
  }
}
4. Run the Application
com/library/LibraryApp.java
package com.library;
import com.library.service.BookService;
import org.springframework.context.ApplicationContext;
import\ org. spring framework. context. support. Class Path Xml Application Context;
public class LibraryApp {
  public static void main(String[] args) {
    Load Spring context from XML
    ApplicationContext context = new ClassPathXmlApplicationContext("applicationContext.xml");
    BookService bookService = context.getBean("bookService", BookService.class);
    bookService.addBook("Effective Java");
  }
}
Output
```



