**Exercise 6: Configuring Beans with Annotations**

**Scenario:**

You need to simplify the configuration of beans in the library management application using annotations.

**Steps:**

1. **Enable Component Scanning:**
   * Update **applicationContext.xml** to include component scanning for the **com.library** package.
2. **Annotate Classes:**
   * Use **@Service** annotation for the **BookService** class.
   * Use **@Repository** annotation for the **BookRepository** class.
3. **Test the Configuration:**
   * Run the **LibraryManagementApplication** main class to verify the annotation-based configuration.

**Solution:**

 **Enable Component Scanning**:

* Update applicationContext.xml to include component scanning for the com.library package:

<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">

<context:component-scan base-package="com.library"/>

</beans>

 **Annotate Classes**:

* Use @Service annotation for the BookService class:

package com.library.service;

import org.springframework.stereotype.Service;

@Service

public class BookService {

// Service methods

}

* Use @Repository annotation for the BookRepository class:

package com.library.repository;

import org.springframework.stereotype.Repository;

@Repository

public class BookRepository {

// Repository methods

}