**Exercise 6: Configuring Beans with Annotations**

<!-- applicationContext.xml -->

<?xml version="1.0" encoding="UTF-8"?>

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

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

xmlns:context="http://www.springframework.org/schema/context"

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

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

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

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

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

</beans>

<!-- BookService.java -->

@Service

public class BookService {

@Autowired

private BookRepository bookRepository;

public void doSomething() {

bookRepository.doSomething();

}

}

<!-- BookRepository.java -->

@Repository

public class BookRepository {

public void doSomething() {

// Implementation

}

}

<!-- LibraryManagementApplication.java -->

public class LibraryManagementApplication {

public static void main(String[] args) {

ApplicationContext context = new AnnotationConfigApplicationContext("com.library");

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

// Test the configuration

bookService.doSomething();

}

}