**Exercise 1: Configuring a Basic Spring Application**

**Step 1: Set Up a Spring Project**

- Create a new Maven project named LibraryManagement

- Add the following dependencies to the pom.xml file:

<dependencies>

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-core</artifactId>

<version>5.3.23</version>

</dependency>

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-context</artifactId>

<version>5.3.23</version>

</dependency>

</dependencies>

**Step 2: Configure the Application Context**

- Create an XML configuration file named applicationContext.xml in the src/main/resources directory:

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

<beans xmlns="(link unavailable)"

xmlns:xsi="(link unavailable)"

xsi:schemaLocation="(link unavailable)

(link unavailable)">

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

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

</beans>

**Step 3: Define Service and Repository Classes**

- Create a package com.library.service and add a class BookService:

package com.library.service;

public class BookService {

// Service methods

}

- Create a package com.library.repository and add a class BookRepository:

package com.library.repository;

public class BookRepository {

// Repository methods

}

**Step 4: Run the Application**

- Create a main class to load the Spring context and test the configuration:

package com.library;

import org.springframework.context.ApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

public class Main {

public static void main(String[] args) {

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

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

// Test the configuration

}

}