2200030216 Spring Core\_Maven

Exercise 7: Implementing Constructor and Setter Injection

Update applicationContext.**xml** to configure constructor injection for **BookService**.

<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

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

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

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

        <constructor-arg ref="bookRepository"/>

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

    </bean>

</beans>

The **BookService** class has a setter method for **BookRepository**

    private final BookRepository primaryRepository;

    private BookRepository secondaryRepository;

    public BookService(BookRepository *primaryRepository*) {

        this.primaryRepository = *primaryRepository*;

    }

    public *void* setSecondaryRepository(BookRepository *secondaryRepository*) {

        this.secondaryRepository = *secondaryRepository*;

    }

    public List<String> listPrimaryBooks() {

        return primaryRepository.findAll();

    }

    public List<String> listSecondaryBooks() {

        return (secondaryRepository != null ? secondaryRepository : primaryRepository).findAll();

    }

}

Run the **LibraryManagementApplication**

