# Week 3 – Mandatory hands on

## Spring Core and Maven

## Exercise 1: Configuring a Basic Spring Application

* Project structure : LibraryManagement

A screenshot of a computer program

AI-generated content may be incorrect.

* Added dependency in pom.xml file

A screen shot of a computer

AI-generated content may be incorrect.

* In applicationContext.xml , we have created bean for BookService and BookRepository

A screen shot of a computer screen

AI-generated content may be incorrect.

* Service and repository class created under their package

A screen shot of a computer program

AI-generated content may be incorrect.

A screen shot of a computer program

AI-generated content may be incorrect.

* Created libraryApp. Java which is the main class to run the application

**A screen shot of a computer program

AI-generated content may be incorrect.**

**Output:**

**A screenshot of a computer

AI-generated content may be incorrect.**

## Exercise 2: Implementing Dependency Injection

* Modified xml file to include bookRepository in bookService

A screen shot of a computer program

AI-generated content may be incorrect.

* Included a setter method for book repository in book service

A computer screen shot of a program

AI-generated content may be incorrect.

* Ran the application again

A screen shot of a computer program

AI-generated content may be incorrect.

* Output:

A screenshot of a computer program

AI-generated content may be incorrect.

## Exercise 4: Creating and Configuring a Maven Project

* Included dependencies for Spring Context, Spring AOP, and Spring WebMVC in the existing project (LibraryManagement) pom.xml file

A screen shot of a computer program

AI-generated content may be incorrect.

Configured maven compiler plugin for Java version 1.8 in the pom.xml file.

A screen shot of a computer

AI-generated content may be incorrect.

Output:

A screenshot of a computer

AI-generated content may be incorrect.