

# Spring

1. [Dashboard](#)
2. My courses
3. [Spring](#)

Your progress

Topic outline

- [General](#)
- [AnnouncementsForum](#)
- [Module 1:Working with RDBMS](#)
  - [RDBMS BasicsPage](#)
  - [NormalizationPage](#)
  - [Build data model for yout Project \(Movie/Zomato/..\)Page](#)
  - [DDL commandsPage](#)
  - [DML CommandsPage](#)
- [Building Blocks of Enterprise Web Application](#)
  - [Web FundamentalsPage](#)
  - [Setting up the Environment \(Web Server, Build Tool\)Page](#)
  - [Working with MavenPage](#)
- [Module 2:Getting started with Spring MVC](#)
  - [Setting Up the Development EnvironmentPage](#)

- [Writing Our First Spring MVC ApplicationPage](#)

---
- [Using the Startup CodePage](#)

---
- [Seed code - Boilerplate for step 1 - Activity Stream Assignment](#)

---
- [Creating Spring MVC Controllers](#)

---

  - [Understanding the ModelPage](#)

---
  - [Calling the ModelPage](#)

---
  - [Writing a ControllerPage](#)

---
- [Enabling User Input and Implementing Validation](#)

---

  - [Getting the User InputPage](#)

---
  - [Using Path Variables and RedirectsPage](#)

---
  - [Implementing ValidationPage](#)

---
  - [Adding the Update FunctionalityPage](#)

---
- [Module 3: Understanding Spring beans and wiring in detailed](#)

---

  - [Understanding Spring Bean FactoryPage](#)

---
  - [Writing Code Using the Bean FactoryPage](#)

---

- [ApplicationContext and Property InitializationPage](#)
- 

- [Using Constructor InjectionPage](#)
- 

- [Injecting ObjectsPage](#)
- 

- [Inner Beans, Aliases and idrefPage](#)
- 

- [Initializing CollectionsPage](#)
- 

- [Bean AutowiringPage](#)
- 

- [Understanding Bean ScopesURL](#)
- 

- [Using ApplicationContextAwarePage](#)
- 

- [Bean Definition InheritancePage](#)
- 

- [Lifecycle CallbacksPage](#)
- 

- [Writing a BeanPostProcessorPage](#)
- 

- [Writing a BeanFactoryPostProcessorPage](#)
- 

- [Coding To InterfacesPage](#)
-

- [Introduction to Annotations and the Required AnnotationPage](#)
- [The Autowired AnnotationPage](#)
- [Some JSR-250 AnnotationsPage](#)
- [Component and Stereotype AnnotationsPage](#)
- [Event Handling in SpringPage](#)
- [Seed code - Boilerplate for step 2 - Activity Stream Assignment](#)
- [Module 4 : Data Access in Spring Framework](#)
  - [Introduction to Spring Data and Setting Up \(Instead of Derby, you need to use MySQL\)Page](#)
  - [Using JDBC without SpringPage](#)
  - [Adding Spring and DataSource ConfigurationPage](#)
  - [Using JdbcTemplatePage](#)
  - [Returning Other Datatypes from JdbcTemplatePage](#)
  - [Implementing RowMapperPage](#)
  - [Performing Write Operations with JdbcTemplatePage](#)

- [Named Parameter JDBC TemplatePage](#)
- [DAO Support ClassesPage](#)
- [Using Hibernate with SpringPage](#)
- [Seed code - Boilerplate for step 3 - Activity Stream Assignment](#)
- [Module 5 : Data Access in Spring Framework](#)
  - [Introduction to Spring BootPage](#)
  - [About The CoursePage](#)
  - [What is Spring BootPage](#)
  - [Spring and some of its problemsPage](#)
  - [What Spring Boot gives usPage](#)
  - [Creating a Spring Boot projectPage](#)
  - [Starting a Spring Boot applicationPage](#)
  - [Spring Boot startup stepsPage](#)
  - [Step by Step - SpringBoot MVCPage](#)

- [Unit OverviewPage](#)
- [Using Spring InitializrPage](#)
- [Using Spring Boot CLIPage](#)
- [Using application propertiesPage](#)
- [Seed code - Boilerplate for step 4 - Activity Stream Assignment](#)
- [Module 6 : Spring Boot REST](#)
  - [Adding a REST ControllerPage](#)
  - [Returning Objects From ControllerPage](#)
  - [What's Happening Here: Bill Of MaterialsPage](#)
  - [What's Happening Here: Embedded Servlet ContainerPage](#)
  - [How Spring MVC WorksPage](#)
  - [The REST API we'll buildPage](#)
  - [Creating a business servicePage](#)
  - [Getting a single resourcePage](#)

- 
- [Creating a new resource using POSTPage](#)
- 

- [Implementing Update and DeletePage](#)
- 

- [Seed code - Boilerplate for step 5 - Activity Stream Assignment](#)
- 

- [Module 7: JPA](#)

- [What is JPAPage](#)

- [Adding Spring Data JPAPage](#)

- [Creating a Spring Data JPA RepositoryPage](#)

- [Making Crud Operations with RepositoryPage](#)

- [Adding Course APIsPage](#)

- [Adding Entity Relationship and Extending RepositoryPage](#)

- [Packaging and running a Spring Boot appPage](#)

- [Spring Boot ActuatorPage](#)

- [Seed code - Boilerplate for step 6 - Activity Stream Assignment](#)

- [Seed code - Boilerplate for step 7 - Activity Stream Assignment](#)

