Spring spring boot jpa hibernate

Java ecosystem 🡪 mostly used frameworks

Spring has been evolving always

Topics :

1. Intro to spring framework
2. Spring vs java ee
3. Evolution of spring
4. Spring release timeline
5. Different projects inside spring
6. Ioc
7. Di
8. Bean creation
9. Autowiring
10. Bean scopes
11. Aspect oriented programming
12. Mvc
13. Thymeleaf
14. Spring boot
15. Spring security
16. Spring jdbc
17. Spring data
18. Spring REST
19. Logging
20. Properties and profiles
21. Actuator

Implementing a full web application 🡪 sample web app ! 🡪 school functionality

Lecture 1 finished

Lecture 2 start

Github.com/eazybytes/spring 🡪 all the source code is here

Powerpoint slides 🡪 pdf version

With this video

Spring.pdf

Section 3 will start coding

Video quality and pace of his communication 🡪 720p or 1080 p

Google the issue

Look at the Q and A

Post a question thru Q and A 🡪 also pm to him

Udemy review 🡪 provide later

Lecture 3

What is spring ? 🡪 framework focused on building web apps 🡪 it is mature

Make developer’s life easier

U shld focus on business logic 🡪 and not on configs

Alternative to EJB

Lecture 4

Jakarta ee vs spring

Core Java SE –

Java EE

Spring took java ee and made things easier ,that’s it

J2ee java ee Jakarta ee

Spring projects – spring batch !

Spring cant exist without java ee

Lecture 5

Why should we use frameworks ?

Chart, radar chart

Description automatically generated

Frameworks provide support to create these supporting components 🡪 developer must understand that framework 🡪 so that he can strictly focus on business logic

Lecture 6

Intro to spring projects

1. Spring core and spring mvc
2. Spring boot 🡪 build a web app in a matter of minutes (microservices)
3. Spring data
4. Spring cloud
5. Spring security
6. Spring session
7. Spring integration
8. Spring amqp

Lecure 7

Intro to spring projects 2

1. Batch

Graphical user interface, application

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Lecture 8

Spring core 🡪 ioc, di , beans,context, spel , ioc container

Lecture 9

Ioc 🡪 never create objects directly

Depenendecy injection 🡪 creation of objects is shifted from application to IOC container

Reduces coupling

Lecture 10

Understand dependency injection and IOC

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Makevehicle1 () 🡪 this is before dependency injection, If u want bose instead of sony , u need to come and edit all these lines of code

Vehicle manufacturing is tightly coupled with sony speakers and Michelin tires

Makevehicle2 () 🡪 makes the coupling loose

Code to an interface

Basically, someone else is creating the object for u

Below, there is no code related to object creation

Graphical user interface, text, application

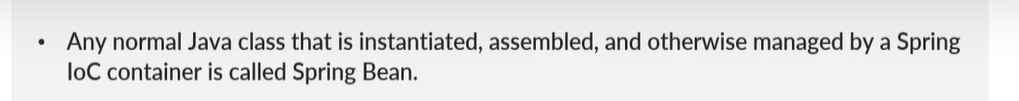
Description automatically generated

Lecture 11

A picture containing timeline

Description automatically generated

Lecture 12

Bean 🡪 

Text

Description automatically generated

Spring expresson language

Lecture 13

Text

Description automatically generated

Diagram

Description automatically generated

Lecture 14

Maven installation – helps in adding jars to project

Graphical user interface, text, application

Description automatically generated

Maven.apache.org

Download maven zip

Add to path environment variables

Now can run mvn from command prompt

Lecture 15

To create maven project, we need IDE (STS my favourite)

Intellij

New module 🡪 maven 🡪 can create a maven module

Graphical user interface, text, application

Description automatically generated

Lecture 16

Graphical user interface

Description automatically generated with medium confidence