

## Revision

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session 1	Introduction, course content,...
session2	advantages of spring framework by comparing with legacy frameworks ejb, rmi

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## Spring vs SpringBoot

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### Task

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- A Laptop with high speed internet, and java 8 is installed in it.
  - develop a web app which reads the data from database and render the output in the browser.
  - there is no limitation of using any technology stack | Assuming to use spring MVC
  - but your time limit is 15mins
  - is this possible ?
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### step-1

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- Installation

Software/tool	Name	Minimum time to install
Database Installation	MYSQL	5mins
App/Web Server	Tomcat	5mins
Spring MVC jars	web app setup in eclipse	5mins
Jar Files	JDBC Jar, Ant/Maven/Gradle	5mins
<b>Total</b>	<b>installation time</b>	<b>20mins</b>

### step-2

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- configuration
- for every web application we need to configure

web.xml	5mins
Dispatcher Configuration	5 mins
Datasource Configuration	5 mins
WebApplicationContext	5 mins
<b>Total configuration time</b>	<b>20 mins</b>

### step-3

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- Development

JSP, Controller, service, dsao	10 mins
○ unit testing	05 mins
total development time	15 mins


step-4

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- deployment

create a war and deploy it in tomcat	05 mins
○ class path problems	10 mins
total installation time	15 mins

nearly it is going to take 1hr of time not 15 mins



## Why Spring Boot

- Provides a radically faster and widely accessible 'getting started' experience for all Spring development
- No clumsy XML Configuration by developers
- Provide opinionated 'starter' POMs to simplify your Maven configuration
- Uses project management tool such as MAVEN or GRADLE
- Helps fast development and production ready code
- Embed Tomcat, Jetty or Undertow directly (no need to deploy WAR files)
- In memory DB

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session completed.