Learning Spring Boot

Greg L. Turnquist

Video 1.4

Unpacking and Importing the Bundled App into Our IDE

[PACKT] VIDEO udemy

In this Video, we are going to take a look at...

- Unpacking the downloaded artifact
- Importing it into your IDE
- Inspecting the results

Spring Initializr

start.spring.io

Greg.L.Turnqui...

SPRING INITIALIZR bootstrap your application now

Generate a Gradle Project with Spring Boot 1.3.5

Project Metadata

Artifact coordinates

Group

com.greglturnquist.learningspringboot

Artifact

learning-spring-boot-video

Dependencies

Add Spring Boot Starters and dependencies to your application

Search for dependencies

Web, Security, JPA, Actuator, Devtools...

Selected Dependencies

JPA × H2 × Thymeleaf × Actuator × DevTools ×

Remote Shell ×

Generate Project ⌘ + ⏎

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start.spring.io is powered by Spring Initializr and Pivotal Web Services

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logos-and-badges_f-logo_online.zip	May 20, 2016, 11:48 AM	1.2 MB	ZIP archive	May 20, 2016, 11:48 AM
brand guideline logos	May 20, 2016, 11:31 AM	--	Folder	May 20, 2016, 11:31 AM
brand_guideline_logos_0.zip	May 20, 2016, 11:31 AM	499 KB	ZIP archive	May 20, 2016, 11:31 AM
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Import Project

Create project from existing sources

Import project from external model

- Gradle
- Maven

Cancel

Previous Next

Import Project

Gradle project: /Users/gturnquist/Downloads/learning-spring-boot-video/build.gradle

Use auto-import

Create directories for empty content roots automatically

Use default gradle wrapper (recommended)

Use customizable gradle wrapper — Gradle wrapper customization in script, works with Gradle 1.7 or later

Use local gradle distribution

Gradle home:

Gradle JVM: on "1.7.0_79", path: /Library/Java/JavaVirtual...dk1.7.0_79.jdk/Contents/Home)

Gradle location is unknown

Project format: .idea (directory based)

▸ Global Gradle settings

Cancel

Previous Finish

Import Project

Gradle project: /Users/gturnquist/Downloads/learning-spring-boot-video/build.gradle

- [ ] Use auto-import
- [ ] Create directories for empty content roots automatically
- (•) Use default gradle wrapper (recommended)
- ( ) Use customizable gradle wrapper — Gradle wrapper customization in script, works with Gradle 1.7 or later
- ( ) Use local gradle distribution

Gradle home:

Gradle JVM: 1.8 (java version "1.8.0_51", path: /Library/Java/JavaVirtual...dk1.8.0_51.jdk/Contents/Home)

Project format: .idea (directory based)

▸ Global Gradle settings

Cancel Previous Finish

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learning-spring-boot-video

Project Packages

learning-spring-boot-video (~/Downloa

- .idea
- gradle
- src
- build.gradle
- gradlew
- gradlew.bat
- External Libraries

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Drop files here from Finder

1: Project
Z: Structure
2: Favorites
Maven Projects
Database
Gradle
Bean Validation

Terminal Application Servers 6: TODO Event Log

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learning-spring-boot-video > build.gradle

Project | Packages

learning-spring-boot-video (~/Downloa

- .idea
- gradle
- src
- build.gradle
- gradlew
- gradlew.bat
- External Libraries

learning-spring-boot-video ×

You can configure Gradle wrapper to use distribution with sources. It will provide IDE with Gradle API/DSL... Hide the tip Ok, apply suggestion!

```
1  buildscript {
2      ext {
3          springBootVersion = '1.3.5.RELEASE'
4      }
5      repositories {
6          mavenCentral()
7      }
8      dependencies {
9          classpath("org.springframework.boot:spring-boot-gradle-plugin:${springBootVersion}")
10     }
11 }
12
13 apply plugin: 'java'
14 apply plugin: 'eclipse'
15 apply plugin: 'spring-boot'
16
17 jar {
18     baseName = 'learning-spring-boot-video'
19     version = '0.0.1-SNAPSHOT'
20 }
21 sourceCompatibility = 1.8
22 targetCompatibility = 1.8
23
24 repositories {
25     mavenCentral()
26 }
27
28
29 dependencies {
30     compile('org.springframework.boot:spring-boot-starter-actuator')
31     compile('org.springframework.boot:spring-boot-starter-data-jpa')
```

Terminal | Application Servers | 6: TODO | Event Log

1:1 LF UTF-8

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learning-spring-boot-video > build.gradle

Project | Packages

learning-spring-boot-video (~/Downloa

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learning-spring-boot-video ×

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Terminal | Application Servers | 6: TODO | Event Log

29 chars, 2 lines 15:8 LF UTF-8

1: Project | 2: Favorites | Z: Structure | Maven Projects | Database | Bean Validation

learning-spring-boot-video - learning-spring-boot-video - [~/Downloads/learning-spring-boot-video]

learning-spring-boot-video > build.gradle

Project | Packages

learning-spring-boot-video (~/Downloa

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learning-spring-boot-video ×

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23
24  repositories {
25      mavenCentral()
26  }
27
28
29  dependencies {
30      compile('org.springframework.boot:spring-boot-starter-actuator')
31      compile('org.springframework.boot:spring-boot-starter-data-jpa')
32      compile('org.springframework.boot:spring-boot-devtools')
33      compile('org.springframework.boot:spring-boot-starter-remote-shell')
34      compile('org.springframework.boot:spring-boot-starter-thymeleaf')
35      runtime('com.h2database:h2')
36      testCompile('org.springframework.boot:spring-boot-starter-test')
37  }
38
39
40  eclipse {
41      classpath {
42          containers.remove('org.eclipse.jdt.launching.JRE_CONTAINER')
43          containers 'org.eclipse.jdt.launching.JRE_CONTAINER/org.eclipse.jdt.internal.debug.ui.launcher.StandardVMType/JavaS
44      }
45  }
```

Terminal | Application Servers | 6: TODO | Event Log

52 chars, 3 lines 23:29 LF UTF-8

1: Project | 2: Favorites | Z: Structure | Maven Projects | Database | Bean Validation

learning-spring-boot-video - learning-spring-boot-video - [~/Downloads/learning-spring-boot-video]

learning-spring-boot-video > build.gradle

learning-spring-boot-video (~/Downloa
.idea
gradle
src
build.gradle
gradlew
gradlew.bat
External Libraries

learning-spring-boot-video ×

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33      compile('org.springframework.boot:spring-boot-starter-remote-shell')
34      compile('org.springframework.boot:spring-boot-starter-thymeleaf')
35      runtime('com.h2database:h2')
36      testCompile('org.springframework.boot:spring-boot-starter-test')
37  }
38
39
40  eclipse {
41      classpath {
42          containers.remove('org.eclipse.jdt.launching.JRE_CONTAINER')
43          containers 'org.eclipse.jdt.launching.JRE_CONTAINER/org.eclipse.jdt.internal.debug.ui.launcher.StandardVMType/JavaS
44      }
45  }
```

Project Packages
learning-spring-boot-video (~/Downloa
.idea
gradle
src
build.gradle
gradlew
gradlew.bat
External Libraries
< 1.8 > (/Library/Java/JavaVirtualMachi
Gradle: antlr:antlr:2.7.7
Gradle: aopalliance:aopalliance:1.0
Gradle: ch.qos.logback:logback-classic
Gradle: ch.qos.logback:logback-core:1.1.7
Gradle: com.fasterxml.jackson.core:jacl
Gradle: com.fasterxml.jackson.core:jacl
Gradle: com.fasterxml.jackson.core:jacl
Gradle: com.fasterxml:classmate:1.1.0
Gradle: com.h2database:h2:1.4.191
Gradle: com.sun.mail:javax.mail:1.5.5
Gradle: dom4j:dom4j:1.6.1
Gradle: it.sauronsoftware.cron4j:cron4j
Gradle: javax.activation:activation:1.1
Gradle: javax.transaction:javax.transact
Gradle: javax.validation:validation-api:
Gradle: junit:junit:4.12
Gradle: net.sf.jpam:jpam:1.1

learning-spring-boot-video ×

You can configure Gradle wrapper to use distribution with sources. It will provide IDE with Gradle API/DSL... Hide the tip Ok, apply suggestion!

```
1  buildscript {
2      ext {
3          springBootVersion = '1.3.5.RELEASE'
4      }
5      repositories {
6          mavenCentral()
7      }
8      dependencies {
9          classpath("org.springframework.boot:spring-boot-gradle-plugin:${springBootVersion}")
10     }
11 }
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13 apply plugin: 'java'
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29 dependencies {
30     compile('org.springframework.boot:spring-boot-starter-actuator')
31     compile('org.springframework.boot:spring-boot-starter-data-jpa')
```

Gradle: org.slf4j:log4j-over-slf4j:1.7.21
Gradle: org.slf4j:slf4j-api:1.7.21
Gradle: org.springframework.boot:spring-boot:1.3.5.RELEASE
Gradle: org.springframework.boot:spring-boot-actuator:1.3.5.RELEASE
Gradle: org.springframework.boot:spring-boot-autoconfigure:1.3.5.RELEASE
Gradle: org.springframework.boot:spring-boot-devtools:1.3.5.RELEASE
Gradle: org.springframework.boot:spring-boot-starter:1.3.5.RELEASE
Gradle: org.springframework.boot:spring-boot-starter-actuator:1.3.5.RELEASE
Gradle: org.springframework.boot:spring-boot-starter-aop:1.3.5.RELEASE
Gradle: org.springframework.boot:spring-boot-starter-data-jpa:1.3.5.RELEASE
Gradle: org.springframework.boot:spring-boot-starter-jdbc:1.3.5.RELEASE
Gradle: org.springframework.boot:spring-boot-starter-logging:1.3.5.RELEASE
Gradle: org.springframework.boot:spring-boot-starter-remote-shell:1.3.5.RELEASE
Gradle: org.springframework.boot:spring-boot-starter-test:1.3.5.RELEASE
Gradle: org.springframework.boot:spring-boot-starter-thymeleaf:1.3.5.RELEASE
Gradle: org.springframework.boot:spring-boot-starter-tomcat:1.3.5.RELEASE
Gradle: org.springframework.boot:spring-boot-starter-validation:1.3.5.RELEASE
Gradle: org.springframework.boot:spring-boot-starter-web:1.3.5.RELEASE
Gradle: org.springframework.data:spring-data-commons:1.11.4.RELEASE
Gradle: org.springframework.data:spring-data-jpa:1.9.4.RELEASE
Gradle: org.springframework:spring-aop:4.2.6.RELEASE
Gradle: org.springframework:spring-aspects:4.2.6.RELEASE
Gradle: org.springframework:spring-beans:4.2.6.RELEASE
Gradle: org.springframework:spring-context:4.2.6.RELEASE
Gradle: org.springframework:spring-core:4.2.6.RELEASE
Gradle: org.springframework:spring-expression:4.2.6.RELEASE

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You can configure Gradle wrapper to use distribution with sources.... Hide the tip Ok, apply suggestion!

```
1  buildscript {
2      ext {
3          springBootVersion = '1.3.5.RELEASE'
4      }
5      repositories {
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Project Packages Project Files Problems

Gradle: org.springframework.boot:spring-boot-starter-aop:1.3.5.RELEASE
Gradle: org.springframework.boot:spring-boot-starter-data-jpa:1.3.5.RELEASE
Gradle: org.springframework.boot:spring-boot-starter-jdbc:1.3.5.RELEASE
Gradle: org.springframework.boot:spring-boot-starter-logging:1.3.5.RELEASE
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Gradle: org.springframework.boot:spring-boot-starter-tomcat:1.3.5.RELEASE
Gradle: org.springframework.boot:spring-boot-starter-validation:1.3.5.RELEASE
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Gradle: org.springframework.data:spring-data-commons:1.11.4.RELEASE
Gradle: org.springframework.data:spring-data-jpa:1.9.4.RELEASE
Gradle: org.springframework:spring-aop:4.2.6.RELEASE
Gradle: org.springframework:spring-aspects:4.2.6.RELEASE
Gradle: org.springframework:spring-beans:4.2.6.RELEASE
Gradle: org.springframework:spring-context:4.2.6.RELEASE
Gradle: org.springframework:spring-core:4.2.6.RELEASE
Gradle: org.springframework:spring-expression:4.2.6.RELEASE
Gradle: org.springframework:spring-jdbc:4.2.6.RELEASE
Gradle: org.springframework:spring-orm:4.2.6.RELEASE
Gradle: org.springframework:spring-test:4.2.6.RELEASE
Gradle: org.springframework:spring-tx:4.2.6.RELEASE
Gradle: org.springframework:spring-web:4.2.6.RELEASE
Gradle: org.springframework:spring-webmvc:4.2.6.RELEASE
Gradle: org.thymeleaf:thymeleaf:2.1.4.RELEASE
Gradle: org.thymeleaf:thymeleaf-spring4:2.1.4.RELEASE

learning-spring-boot-video ×

You can configure Gradle wrapper to use distribution with sources.... Hide the tip Ok, apply suggestion!

```
1   buildscript {
2       ext {
3           springBootVersion = '1.3.5.RELEASE'
4       }
5       repositories {
6           mavenCentral()
7       }
8       dependencies {
9           classpath("org.springframework.boot:spring-boot-gradle-plugin:${springBootVersion}")
10      }
11  }
12
13  apply plugin: 'java'
14  apply plugin: 'eclipse'
15  apply plugin: 'spring-boot'
16
17  jar {
18      baseName = 'learning-spring-boot-video'
19      version = '0.0.1-SNAPSHOT'
20  }
21  sourceCompatibility = 1.8
22  targetCompatibility = 1.8
23
24  repositories {
25      mavenCentral()
26  }
27
28
29  dependencies {
30      compile('org.springframework.boot:spring-boot-starter-actuator')
31      compile('org.springframework.boot:spring-boot-starter-data-jpa')
```

learning-spring-boot-video - learning-spring-boot-video - [~/Downloads/learning-spring-boot-video]

learning-spring-boot-video > build.gradle

Project | Packages | Project Files | Problems

- Gradle: org.springframework.boot:spring-boot-starter-data-jpa:1.3.3.RELEASE
- Gradle: org.springframework.boot:spring-boot-starter-jdbc:1.3.3.RELEASE
- Gradle: org.springframework.boot:spring-boot-starter-logging:1.3.3.RELEASE
- Gradle: org.springframework.boot:spring-boot-starter-remote-shell:1.3.3.REL
- Gradle: org.springframework.boot:spring-boot-starter-test:1.3.3.RELEASE
- Gradle: org.springframework.boot:spring-boot-starter-thymeleaf:1.3.3.RELEA
- Gradle: org.springframework.boot:spring-boot-starter-tomcat:1.3.3.RELEASE
- Gradle: org.springframework.boot:spring-boot-starter-validation:1.3.3.RELEA
- Gradle: org.springframework.boot:spring-boot-starter-web:1.3.3.RELEASE
- Gradle: org.springframework.data:spring-data-commons:1.11.4.RELEASE
- Gradle: org.springframework.data:spring-data-jpa:1.9.4.RELEASE
- Gradle: org.springframework:spring-aop:4.2.5.RELEASE
- Gradle: org.springframework:spring-aspects:4.2.5.RELEASE
- Gradle: org.springframework:spring-beans:4.2.5.RELEASE
- Gradle: org.springframework:spring-context:4.2.5.RELEASE
- Gradle: org.springframework:spring-core:4.2.5.RELEASE
- Gradle: org.springframework:spring-expression:4.2.5.RELEASE
- Gradle: org.springframework:spring-jdbc:4.2.5.RELEASE
- Gradle: org.springframework:spring-orm:4.2.5.RELEASE
- Gradle: org.springframework:spring-test:4.2.5.RELEASE
- Gradle: org.springframework:spring-tx:4.2.5.RELEASE
- Gradle: org.springframework:spring-web:4.2.5.RELEASE
- Gradle: org.springframework:spring-webmvc:4.2.5.RELEASE
- Gradle: org.thymeleaf:thymeleaf:2.1.4.RELEASE
- Gradle: org.thymeleaf:thymeleaf-spring4:2.1.4.RELEASE
- Gradle: org.unbescape:unbescape:1.1.0.RELEASE

learning-spring-boot-video ×

You can configure Gradle wrapper to us... Hide the tip Ok, apply suggestion!

```
1  buildscript {
2      ext {
3          springBootVersion = '1.3.3.RELEASE'
4      }
5      repositories {
6          mavenCentral()
7      }
8      dependencies {
9          classpath("org.springframework.boot:spring-boot-gradle-pl
10     }
11 }
12
13 apply plugin: 'java'
14 apply plugin: 'eclipse'
15 apply plugin: 'spring-boot'
16
17 jar {
18     baseName = 'learning-spring-boot-video'
19     version = '0.0.1-SNAPSHOT'
20 }
21 sourceCompatibility = 1.8
22 targetCompatibility = 1.8
23
24 repositories {
25     mavenCentral()
26 }
27
28
29 dependencies {
30     compile('org.springframework.boot:spring-boot-starter-actuato
31     compile('org.springframework.boot:spring-boot-starter-data-jp
```

Gradle projects

- learning-spring-boo
  - Tasks
  - Dependencies

Terminal | Application Servers | 6: TODO | Event Log

3:35 LF UTF-8

Udemy

learning-spring-boot-video - learning-spring-boot-video - [~/Downloads/learning-spring-boot-video]

learning-spring-boot-video > build.gradle

Project | Packages | Project Files | Problems

- Gradle: org.springframework.boot:spring-boot-starter-data-jpa:1.3.3.RELEASE
- Gradle: org.springframework.boot:spring-boot-starter-jdbc:1.3.3.RELEASE
- Gradle: org.springframework.boot:spring-boot-starter-logging:1.3.3.RELEASE
- Gradle: org.springframework.boot:spring-boot-starter-remote-shell:1.3.3.REL
- Gradle: org.springframework.boot:spring-boot-starter-test:1.3.3.RELEASE
- Gradle: org.springframework.boot:spring-boot-starter-thymeleaf:1.3.3.RELEA
- Gradle: org.springframework.boot:spring-boot-starter-tomcat:1.3.3.RELEASE
- Gradle: org.springframework.boot:spring-boot-starter-validation:1.3.3.RELEA
- Gradle: org.springframework.boot:spring-boot-starter-web:1.3.3.RELEASE
- Gradle: org.springframework.data:spring-data-commons:1.11.4.RELEASE
- Gradle: org.springframework.data:spring-data-jpa:1.9.4.RELEASE
- Gradle: org.springframework:spring-aop:4.2.5.RELEASE
- Gradle: org.springframework:spring-aspects:4.2.5.RELEASE
- Gradle: org.springframework:spring-beans:4.2.5.RELEASE
- Gradle: org.springframework:spring-context:4.2.5.RELEASE
- Gradle: org.springframework:spring-core:4.2.5.RELEASE
- Gradle: org.springframework:spring-expression:4.2.5.RELEASE
- Gradle: org.springframework:spring-jdbc:4.2.5.RELEASE
- Gradle: org.springframework:spring-orm:4.2.5.RELEASE
- Gradle: org.springframework:spring-test:4.2.5.RELEASE
- Gradle: org.springframework:spring-tx:4.2.5.RELEASE
- Gradle: org.springframework:spring-web:4.2.5.RELEASE
- Gradle: org.springframework:spring-webmvc:4.2.5.RELEASE
- Gradle: org.thymeleaf:thymeleaf:2.1.4.RELEASE
- Gradle: org.thymeleaf:thymeleaf-spring4:2.1.4.RELEASE
- Gradle: org.unbescape:unbescape:1.1.0.RELEASE

learning-spring-boot-video ×

You can configure Gradle wrapper to us... Hide the tip Ok, apply suggestion!

```
1  buildscript {
2      ext {
3          springBootVersion = '1.3.5.RELEASE'
4      }
5      repositories {
6          mavenCentral()
7      }
8      dependencies {
9          classpath("org.springframework.boot:spring-boot-gradle-pl
10     }
11 }
12
13 apply plugin: 'java'
14 apply plugin: 'eclipse'
15 apply plugin: 'spring-boot'
16
17 jar {
18     baseName = 'learning-spring-boot-video'
19     version = '0.0.1-SNAPSHOT'
20 }
21 sourceCompatibility = 1.8
22 targetCompatibility = 1.8
23
24 repositories {
25     mavenCentral()
26 }
27
28
29 dependencies {
30     compile('org.springframework.boot:spring-boot-starter-actuato
31     compile('org.springframework.boot:spring-boot-starter-data-jp
```

Gradle projects

- learning-spring-boo
  - Tasks
  - Dependencies

Terminal | Application Servers | 6: TODO | Event Log

Gradle: Resolve dependencies ':runtime'

3:35 LF UTF-8

Udemy

LearningSpringBootVideoApplication.java - learning-spring-boot-video - [~/Downloads/learning-spring-boot-video]

learning-spring-boot-video > src > main > java > com > gregturnquist > learningspringboot > LearningSpringBootVideoApplication

Project | Packages | Project Files | Problems

- learning-spring-boot-video (~/Downloads/learning-spring-boot-video)
  - .idea
  - gradle
  - src
    - main
      - java
        - com.gregturnquist.learningspringboot
          - LearningSpringBootVideoApplication
      - resources
    - test
  - build.gradle
  - gradlew
  - gradlew.bat
  - learning-spring-boot-video.iml
- External Libraries

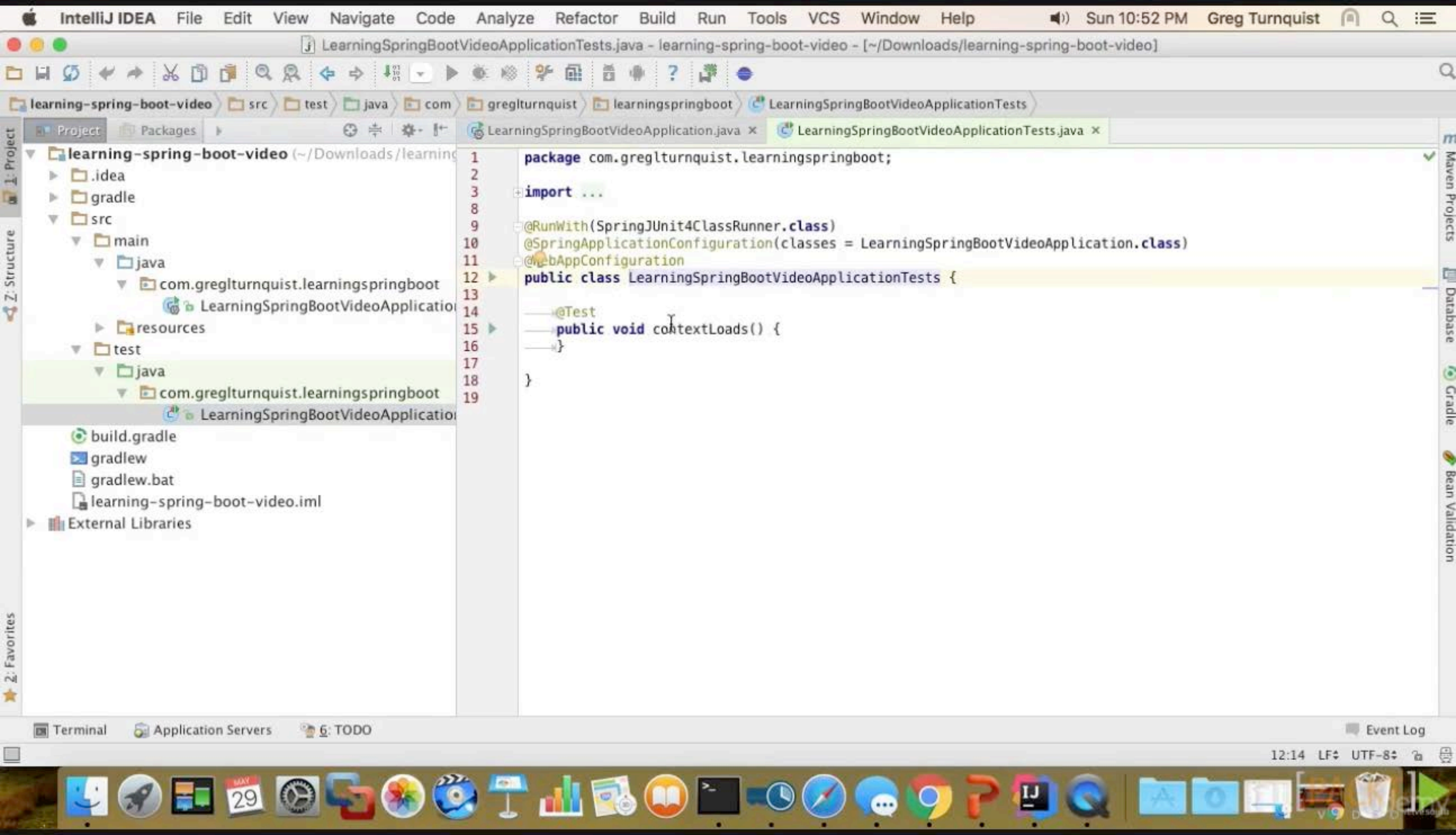
LearningSpringBootVideoApplication.java

```
1  package com.gregturnquist.learningspringboot;
2
3  import ...
5
6  @SpringBootApplication
7  public class LearningSpringBootVideoApplication {
8
9      public static void main(String[] args) { SpringApplication.run(LearningSpringBootVide
12 }
13
```

Terminal | Application Servers | 6: TODO | Event Log

Application context not configured for this file

7:14 LF UTF-8


IntelliJ IDEA File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
Sun 10:52 PM Greg Turnquist
LearningSpringBootVideoApplicationTests.java - learning-spring-boot-video - [~/Downloads/learning-spring-boot-video]
learning-spring-boot-video src test java com greglturnquist learningspringboot LearningSpringBootVideoApplicationTests
Project Packages
LearningSpringBootVideoApplication.java
LearningSpringBootVideoApplicationTests.java
learning-spring-boot-video (~/Downloads/learning
.idea
gradle
src
main
java
com.greglturnquist.learningspringboot
LearningSpringBootVideoApplicatio
resources
test
java
com.greglturnquist.learningspringboot
LearningSpringBootVideoApplicatio
build.gradle
gradlew
gradlew.bat
learning-spring-boot-video.iml
External Libraries
package com.greglturnquist.learningspringboot;
import ...
@RunWith(SpringJUnit4ClassRunner.class)
@SpringApplicationConfiguration(classes = LearningSpringBootVideoApplication.class)
@WebAppConfiguration
public class LearningSpringBootVideoApplicationTests {
@Test
public void contextLoads() {
}
}
Terminal
Application Servers
6: TODO
Event Log
12:14 LF UTF-8

Delete

Delete directory "test"?
All files and subdirectories in "test" will be deleted.
You might not be able to fully undo this operation!

Cancel Delete


```
@RunWith(SpringJUnit4ClassRunner.class)
@SpringApplicationConfiguration(classes = LearningSpringBootVideoApplication.class)
@WebAppConfiguration
public class LearningSpringBootVideoApplicationTests {

    @Test
    public void contextLoads() {
    }

}
```

LearningSpringBootVideoApplicationTests.java - learning-spring-boot-video - [~/Downloads/learning-spring-boot-video]

learning-spring-boot-video > src > main > resources > static

Project | Packages

```
learning-spring-boot-video (~/Downloads/learning
  .idea
  gradle
  src
    main
      java
        com.greglturnquist.learningspringboot
          LearningSpringBootVideoApplicatio
      resources
        static
        templates
        application.properties
  build.gradle
  gradlew
  gradlew.bat
  learning-spring-boot-video.iml
External Libraries
```

LearningSpringBootVideoApplication.java

```
1  package com.greglturnquist.learningspringboot;
2
3  import ...
5
6  @SpringBootApplication
7  public class LearningSpringBootVideoApplication {
8
9      public static void main(String[] args) {
10         SpringApplication.run(LearningSpringBootVideoApplication.class, args);
11     }
12 }
13
```

application.properties - learning-spring-boot-video - [~/Downloads/learning-spring-boot-video]

learning-spring-boot-video > src > main > resources > application.properties

Project | Packages

- learning-spring-boot-video (~/Downloads/learning
  - .idea
  - gradle
  - src
    - main
      - java
        - com.gregturnquist.learningspringboot
          - LearningSpringBootVideoApplicatio
      - resources
        - static
        - templates
        - application.properties
  - build.gradle
  - gradlew
  - gradlew.bat
  - learning-spring-boot-video.iml
- External Libraries

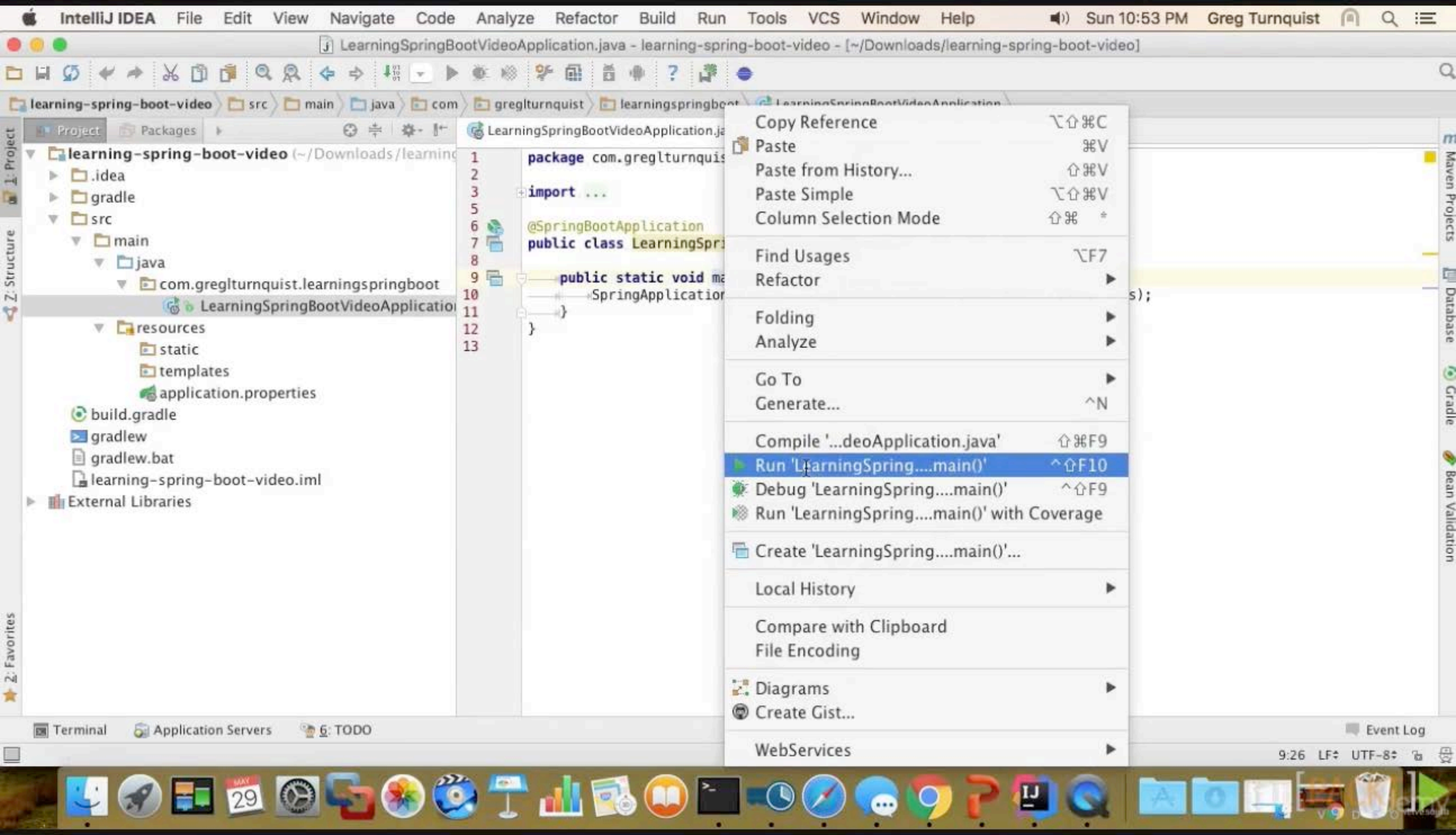
LearningSpringBootVideoApplication.java | application.properties

1

1: Project | Z: Structure | 2: Favorites | Maven Projects | Database | Gradle | Bean Validation

Terminal | Application Servers | 6: TODO | Event Log

1:1 n/a UTF-8


IntelliJ IDEA File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
Sun 10:53 PM Greg Turnquist
LearningSpringBootVideoApplication.java - learning-spring-boot-video - [~/Downloads/learning-spring-boot-video]
learning-spring-boot-video src main java com greglturnquist learningspringboot
Project Packages
learning-spring-boot-video (~/Downloads/learning
.idea
gradle
src
main
java
com.greglturnquist.learningspringboot
LearningSpringBootVideoApplicatio
resources
static
templates
application.properties
build.gradle
gradlew
gradlew.bat
learning-spring-boot-video.iml
External Libraries
package com.greglturnquis
import ...
@SpringBootApplication
public class LearningSpri
public static void ma
SpringApplicatio
}
}
Copy Reference ⌥⇧⌘C
Paste ⌘V
Paste from History... ⇧⌘V
Paste Simple ⌥⇧⌘V
Column Selection Mode ⇧⌘ *
Find Usages ⌥F7
Refactor
Folding
Analyze
Go To
Generate... ^N
Compile '...deoApplication.java' ⇧⌘F9
Run 'LearningSpring....main()' ^⇧F10
Debug 'LearningSpring....main()' ^⇧F9
Run 'LearningSpring....main()' with Coverage
Create 'LearningSpring....main()'...
Local History
Compare with Clipboard
File Encoding
Diagrams
Create Gist...
WebServices
Terminal
Application Servers
6: TODO
Event Log
9:26 LF UTF-8
Maven Projects
Database
Gradle
Bean Validation
1: Project
2: Favorites
Z: Structure

IntelliJ IDEA File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help Sun 10:54 PM Greg Turnquist

LearningSpringBootVideoApplication.java - learning-spring-boot-video - [~/Downloads/learning-spring-boot-video]

learning-spring-boot-video > src > main > java > com > greglturnquist > learningspringboot > LearningSpringBootVideoApplication

Project | Packages

learning-spring-boot-video (~/Downloads/learning

LearningSpringBootVideoApplication.java

```
1  package com.greglturnquist.learningspringboot;
2
```

Run LearningSpringBootVideoApplication

```
/Library/Java/JavaVirtualMachines/jdk1.8.0_51.jdk/Contents/Home/bin/java ...

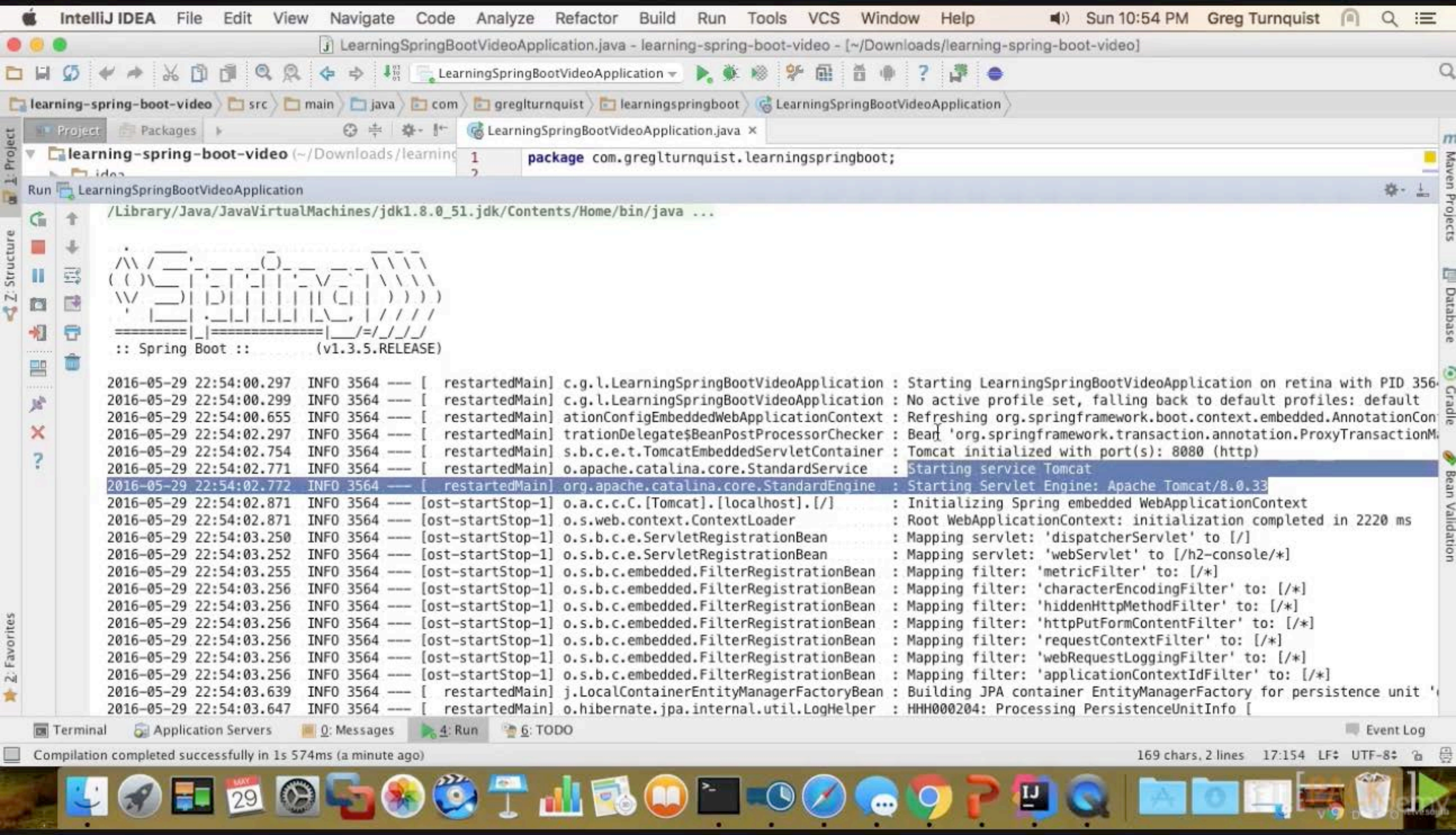
  .   ____          _            __ _ _
 /\\ / ___'_ __ _ _(_)_ __  __ _ \ \ \ \
( ( )\___ | '_ | '_| | '_ \/ _` | \ \ \ \
 \\/  ___)| |_)| | | | | || (_| |  ) ) ) )
  '  |____| .__|_| |_|_| |_\__, | / / / /
 =========|_|==============|___/=/_/_/_/
 :: Spring Boot ::        (v1.3.5.RELEASE)

2016-05-29 22:54:00.297  INFO 3564 --- [  restartedMain] c.g.l.LearningSpringBootVideoApplication : Starting LearningSpringBootVideoApplication on retina with PID 356
2016-05-29 22:54:00.299  INFO 3564 --- [  restartedMain] c.g.l.LearningSpringBootVideoApplication : No active profile set, falling back to default profiles: default
2016-05-29 22:54:00.655  INFO 3564 --- [  restartedMain] ationConfigEmbeddedWebApplicationContext : Refreshing org.springframework.boot.context.embedded.AnnotationCon
2016-05-29 22:54:02.297  INFO 3564 --- [  restartedMain] trationDelegate$BeanPostProcessorChecker : Bean 'org.springframework.transaction.annotation.ProxyTransactionM
2016-05-29 22:54:02.754  INFO 3564 --- [  restartedMain] s.b.c.e.t.TomcatEmbeddedServletContainer : Tomcat initialized with port(s): 8080 (http)
2016-05-29 22:54:02.771  INFO 3564 --- [  restartedMain] o.apache.catalina.core.StandardService   : Starting service Tomcat
2016-05-29 22:54:02.772  INFO 3564 --- [  restartedMain] org.apache.catalina.core.StandardEngine  : Starting Servlet Engine: Apache Tomcat/8.0.33
2016-05-29 22:54:02.871  INFO 3564 --- [ost-startStop-1] o.a.c.c.C.[Tomcat].[localhost].[/]       : Initializing Spring embedded WebApplicationContext
2016-05-29 22:54:02.871  INFO 3564 --- [ost-startStop-1] o.s.web.context.ContextLoader            : Root WebApplicationContext: initialization completed in 2220 ms
2016-05-29 22:54:03.250  INFO 3564 --- [ost-startStop-1] o.s.b.c.e.ServletRegistrationBean        : Mapping servlet: 'dispatcherServlet' to [/]
2016-05-29 22:54:03.252  INFO 3564 --- [ost-startStop-1] o.s.b.c.e.ServletRegistrationBean        : Mapping servlet: 'webServlet' to [/h2-console/*]
2016-05-29 22:54:03.255  INFO 3564 --- [ost-startStop-1] o.s.b.c.embedded.FilterRegistrationBean  : Mapping filter: 'metricFilter' to: [/*]
2016-05-29 22:54:03.256  INFO 3564 --- [ost-startStop-1] o.s.b.c.embedded.FilterRegistrationBean  : Mapping filter: 'characterEncodingFilter' to: [/*]
2016-05-29 22:54:03.256  INFO 3564 --- [ost-startStop-1] o.s.b.c.embedded.FilterRegistrationBean  : Mapping filter: 'hiddenHttpMethodFilter' to: [/*]
2016-05-29 22:54:03.256  INFO 3564 --- [ost-startStop-1] o.s.b.c.embedded.FilterRegistrationBean  : Mapping filter: 'httpPutFormContentFilter' to: [/*]
2016-05-29 22:54:03.256  INFO 3564 --- [ost-startStop-1] o.s.b.c.embedded.FilterRegistrationBean  : Mapping filter: 'requestContextFilter' to: [/*]
2016-05-29 22:54:03.256  INFO 3564 --- [ost-startStop-1] o.s.b.c.embedded.FilterRegistrationBean  : Mapping filter: 'webRequestLoggingFilter' to: [/*]
2016-05-29 22:54:03.256  INFO 3564 --- [ost-startStop-1] o.s.b.c.embedded.FilterRegistrationBean  : Mapping filter: 'applicationContextIdFilter' to: [/*]
2016-05-29 22:54:03.639  INFO 3564 --- [  restartedMain] j.LocalContainerEntityManagerFactoryBean : Building JPA container EntityManagerFactory for persistence unit '
2016-05-29 22:54:03.647  INFO 3564 --- [  restartedMain] o.hibernate.jpa.internal.util.LogHelper  : HHH000204: Processing PersistenceUnitInfo [
```

Terminal | Application Servers | 0: Messages | 4: Run | 6: TODO | Event Log

Compilation completed successfully in 1s 574ms (moments ago) 292 chars, 8 lines 10:1 LF UTF-8

1: Project | Z: Structure | 2: Favorites | Maven Projects | Database | Gradle | Bean Validation


IntelliJ IDEA File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
Sun 10:54 PM Greg Turnquist
LearningSpringBootVideoApplication.java - learning-spring-boot-video - [~/Downloads/learning-spring-boot-video]
learning-spring-boot-video src main java com greglturnquist learningspringboot LearningSpringBootVideoApplication
Project Packages
learning-spring-boot-video (~/Downloads/learning
LearningSpringBootVideoApplication.java
package com.greglturnquist.learningspringboot;
Run LearningSpringBootVideoApplication
/Library/Java/JavaVirtualMachines/jdk1.8.0_51.jdk/Contents/Home/bin/java ...
:: Spring Boot :: (v1.3.5.RELEASE)
2016-05-29 22:54:00.297 INFO 3564 --- [restartedMain] c.g.l.LearningSpringBootVideoApplication : Starting LearningSpringBootVideoApplication on retina with PID 356
2016-05-29 22:54:00.299 INFO 3564 --- [restartedMain] c.g.l.LearningSpringBootVideoApplication : No active profile set, falling back to default profiles: default
2016-05-29 22:54:00.655 INFO 3564 --- [restartedMain] ationConfigEmbeddedWebApplicationContext : Refreshing org.springframework.boot.context.embedded.AnnotationCon
2016-05-29 22:54:02.297 INFO 3564 --- [restartedMain] trationDelegate$BeanPostProcessorChecker : Bean 'org.springframework.transaction.annotation.ProxyTransactionM
2016-05-29 22:54:02.754 INFO 3564 --- [restartedMain] s.b.c.e.t.TomcatEmbeddedServletContainer : Tomcat initialized with port(s): 8080 (http)
2016-05-29 22:54:02.771 INFO 3564 --- [restartedMain] o.apache.catalina.core.StandardService : Starting service Tomcat
2016-05-29 22:54:02.772 INFO 3564 --- [restartedMain] org.apache.catalina.core.StandardEngine : Starting Servlet Engine: Apache Tomcat/8.0.33
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2016-05-29 22:54:03.250 INFO 3564 --- [ost-startStop-1] o.s.b.c.e.ServletRegistrationBean : Mapping servlet: 'dispatcherServlet' to [/]
2016-05-29 22:54:03.252 INFO 3564 --- [ost-startStop-1] o.s.b.c.e.ServletRegistrationBean : Mapping servlet: 'webServlet' to [/h2-console/*]
2016-05-29 22:54:03.255 INFO 3564 --- [ost-startStop-1] o.s.b.c.embedded.FilterRegistrationBean : Mapping filter: 'metricFilter' to: [/*]
2016-05-29 22:54:03.256 INFO 3564 --- [ost-startStop-1] o.s.b.c.embedded.FilterRegistrationBean : Mapping filter: 'characterEncodingFilter' to: [/*]
2016-05-29 22:54:03.256 INFO 3564 --- [ost-startStop-1] o.s.b.c.embedded.FilterRegistrationBean : Mapping filter: 'hiddenHttpMethodFilter' to: [/*]
2016-05-29 22:54:03.256 INFO 3564 --- [ost-startStop-1] o.s.b.c.embedded.FilterRegistrationBean : Mapping filter: 'httpPutFormContentFilter' to: [/*]
2016-05-29 22:54:03.256 INFO 3564 --- [ost-startStop-1] o.s.b.c.embedded.FilterRegistrationBean : Mapping filter: 'requestContextFilter' to: [/*]
2016-05-29 22:54:03.256 INFO 3564 --- [ost-startStop-1] o.s.b.c.embedded.FilterRegistrationBean : Mapping filter: 'webRequestLoggingFilter' to: [/*]
2016-05-29 22:54:03.256 INFO 3564 --- [ost-startStop-1] o.s.b.c.embedded.FilterRegistrationBean : Mapping filter: 'applicationContextIdFilter' to: [/*]
2016-05-29 22:54:03.639 INFO 3564 --- [restartedMain] j.LocalContainerEntityManagerFactoryBean : Building JPA container EntityManagerFactory for persistence unit '
2016-05-29 22:54:03.647 INFO 3564 --- [restartedMain] o.hibernate.jpa.internal.util.LogHelper : HHH000204: Processing PersistenceUnitInfo [
Terminal Application Servers 0: Messages 4: Run 6: TODO Event Log
Compilation completed successfully in 1s 574ms (a minute ago)
169 chars, 2 lines 17:154 LF UTF-8

```
1  package com.greglturnquist.learningspringboot;
2
```

Run LearningSpringBootVideoApplication

```
2016-05-29 22:54:04.362  INFO 3564 --- [  restartedMain] s.w.s.m.m.a.RequestMappingHandlerAdapter : Looking for @ControllerAdvice: org.springframework.boot.context.em
2016-05-29 22:54:04.461  INFO 3564 --- [  restartedMain] s.w.s.m.m.a.RequestMappingHandlerMapping : Mapped "{[/error]}" onto public org.springframework.http.ResponseE
2016-05-29 22:54:04.464  INFO 3564 --- [  restartedMain] s.w.s.m.m.a.RequestMappingHandlerMapping : Mapped "{[/error],produces=[text/html]}" onto public org.springfra
2016-05-29 22:54:04.499  INFO 3564 --- [  restartedMain] o.s.w.s.handler.SimpleUrlHandlerMapping  : Mapped URL path [/webjars/**] onto handler of type [class org.spri
2016-05-29 22:54:04.499  INFO 3564 --- [  restartedMain] o.s.w.s.handler.SimpleUrlHandlerMapping  : Mapped URL path [/**] onto handler of type [class org.springframew
2016-05-29 22:54:04.538  INFO 3564 --- [  restartedMain] o.s.w.s.handler.SimpleUrlHandlerMapping  : Mapped URL path [/**/favicon.ico] onto handler of type [class org.
2016-05-29 22:54:04.572  WARN 3564 --- [  restartedMain] o.s.b.a.t.ThymeleafAutoConfiguration     : Cannot find template location: classpath:/templates/ (please add s
2016-05-29 22:54:04.840  INFO 3564 --- [  restartedMain] roperties$SimpleAuthenticationProperties :

Using default password for shell access: 80689cdc-20d8-435a-bf9d-47dc1b257656

2016-05-29 22:54:05.563  INFO 3564 --- [  restartedMain] o.s.b.a.e.mvc.EndpointHandlerMapping     : Mapped "{[/env/{name:.*}],methods=[GET],produces=[application/json
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2016-05-29 22:54:05.564  INFO 3564 --- [  restartedMain] o.s.b.a.e.mvc.EndpointHandlerMapping     : Mapped "{[/info || /info.json],methods=[GET],produces=[application
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2016-05-29 22:54:05.679  INFO 3564 --- [  restartedMain] o.s.b.d.a.OptionalLiveReloadServer       : LiveReload server is running on port 35729
2016-05-29 22:54:05.731  INFO 3564 --- [  restartedMain] o.s.j.e.a.AnnotationMBeanExporter        : Registering beans for JMX exposure on startup
2016-05-29 22:54:05.741  INFO 3564 --- [  restartedMain] o.s.c.support.DefaultLifecycleProcessor  : Starting beans in phase 0
2016-05-29 22:54:05.869  INFO 3564 --- [  restartedMain] s.b.c.e.t.TomcatEmbeddedServletContainer : Tomcat started on port(s): 8080 (http)
2016-05-29 22:54:05.875  INFO 3564 --- [  restartedMain] c.g.l.LearningSpringBootVideoApplication : Started LearningSpringBootVideoApplication in 5.812 seconds (JVM r
```

learning-spring-boot-video (~/Downloads/learning

LearningSpringBootVideoApplication.java ×

```
1  package com.greglturnquist.learningspringboot;
2
```

Run LearningSpringBootVideoApplication

```
2016-05-29 22:54:04.362  INFO 3564 --- [  restartedMain] s.w.s.m.m.a.RequestMappingHandlerAdapter : Looking for @ControllerAdvice: org.springframework.boot.context.em
2016-05-29 22:54:04.461  INFO 3564 --- [  restartedMain] s.w.s.m.m.a.RequestMappingHandlerMapping : Mapped "{[/error]}" onto public org.springframework.http.ResponseE
2016-05-29 22:54:04.464  INFO 3564 --- [  restartedMain] s.w.s.m.m.a.RequestMappingHandlerMapping : Mapped "{[/error],produces=[text/html]}" onto public org.springfra
2016-05-29 22:54:04.499  INFO 3564 --- [  restartedMain] o.s.w.s.handler.SimpleUrlHandlerMapping  : Mapped URL path [/webjars/**] onto handler of type [class org.spri
2016-05-29 22:54:04.499  INFO 3564 --- [  restartedMain] o.s.w.s.handler.SimpleUrlHandlerMapping  : Mapped URL path [/**] onto handler of type [class org.springframew
2016-05-29 22:54:04.538  INFO 3564 --- [  restartedMain] o.s.w.s.handler.SimpleUrlHandlerMapping  : Mapped URL path [/**/favicon.ico] onto handler of type [class org.
2016-05-29 22:54:04.572  WARN 3564 --- [  restartedMain] o.s.b.a.t.ThymeleafAutoConfiguration     : Cannot find template location: classpath:/templates/ (please add s
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Spring Initializr | New Tab | Greg.L.Turnqui...

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learning-spring-boot-vi....zip | Show All

[PACKT] VIDEO

Spring Initializr | localhost:8080 | Greg.L.Turnqui...

localhost:8080

Whitelabel Error Page

This application has no explicit mapping for /error, so you are seeing this as a fallback.

Sun May 29 22:55:28 CDT 2016
There was an unexpected error (type=Not Found, status=404).
No message available

learning-spring-boot-vi....zip

Show All

[PACKT] VIDEO

Summary

- Navigated the Spring Initializr site
- Picked components used for any rock solid app
- Loaded it into our IDE

[PACKT] udemy VIDEO

Next Section

Defining the Domain

[PACKT] VIDEO udemy