

Section 2

Defining the Domain



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

- Creating a JPA entity to hold information about images
- Defining a Spring Data repository to interact with our data store

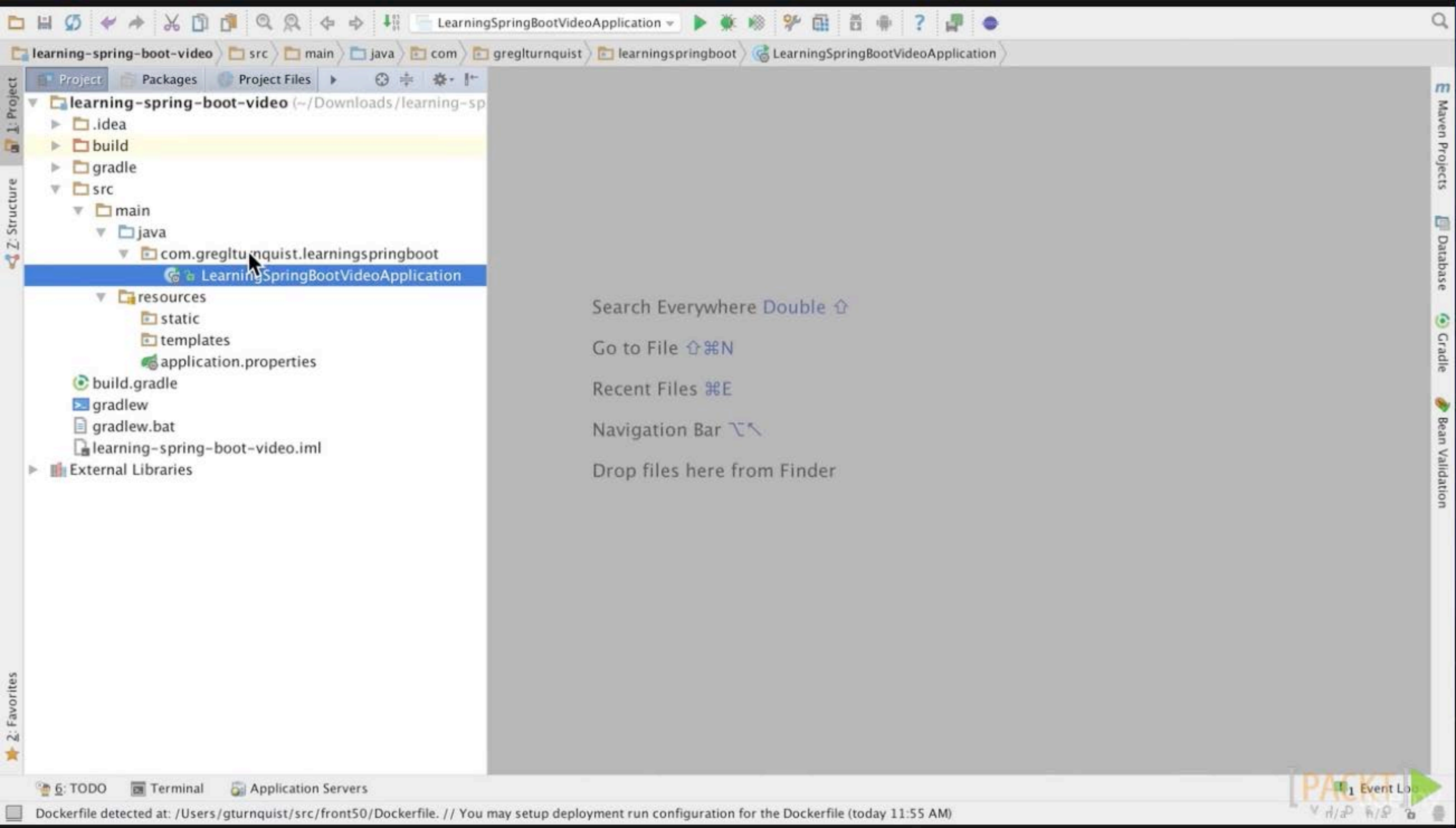
Video 2.1

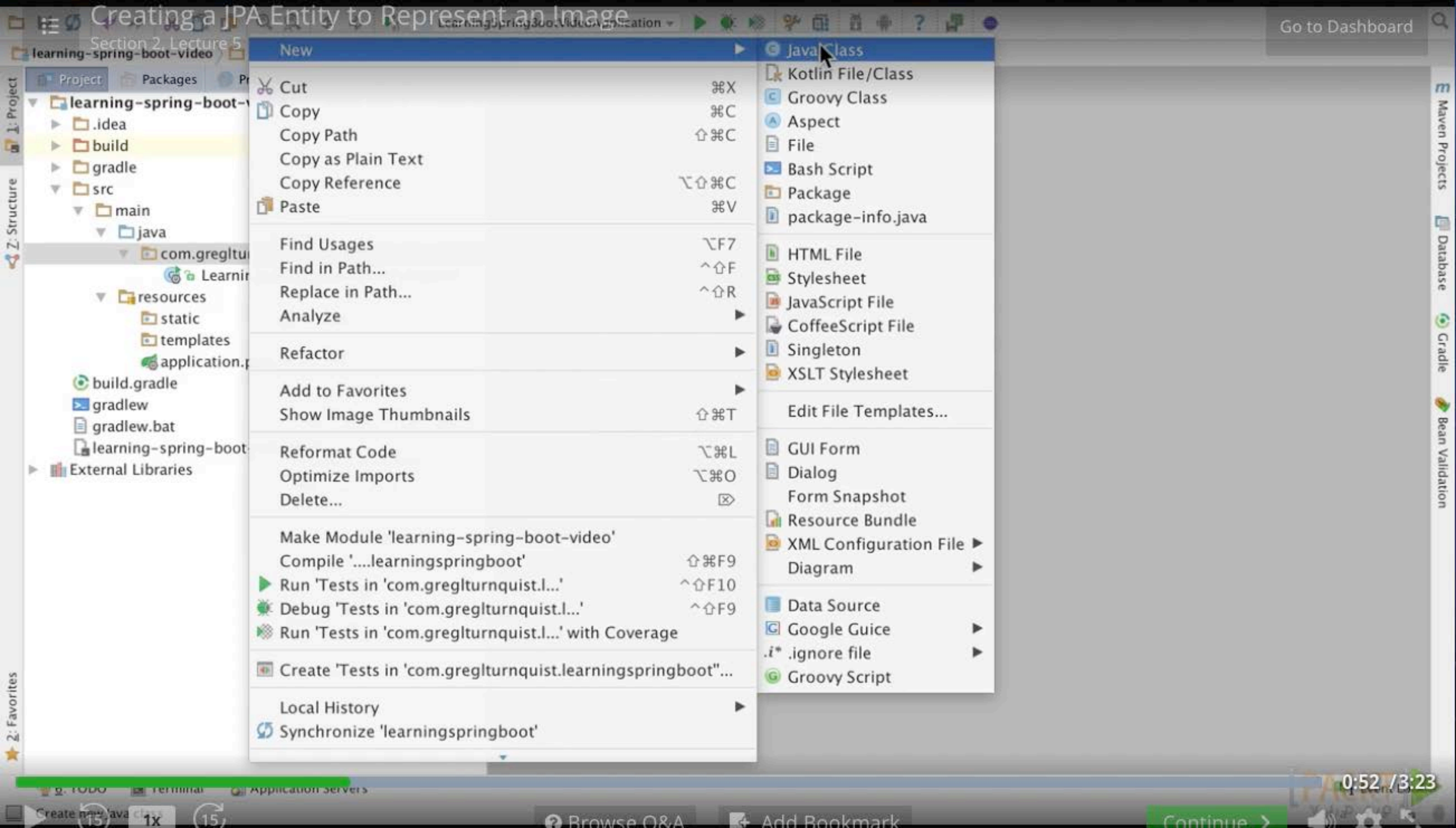
Creating a JPA Entity to Represent an Image



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

- Declaring a JPA entity
- Implementing required versus convenient constructors
- Adding getters and setters using our IDE





Creating a JPA Entity to Represent an Image

Section 2, Lecture 5

Go to Dashboard

New

Java Class

Cut

⌘X

Copy

⌘C

Copy Path

⇧⌘C

Copy as Plain Text

Copy Reference

⌘⇧C

Paste

⌘V

Find Usages

⇧⌘F7

Find in Path...

⇧⌘F

Replace in Path...

⇧⌘R

Analyze

Refactor

Add to Favorites

Show Image Thumbnails

⇧⌘T

Reformat Code

⌘⇧L

Optimize Imports

⌘⇧O

Delete...

⌘⇧X

Make Module 'learning-spring-boot-video'

Compile '...learningspringboot'

⇧⌘F9

Run 'Tests in 'com.gregturnquist.l...'

⇧⌘F10

Debug 'Tests in 'com.gregturnquist.l...'

⇧⌘F9

Run 'Tests in 'com.gregturnquist.l...' with Coverage

Create 'Tests in 'com.gregturnquist.learningspringboot'...

Local History

Synchronize 'learningspringboot'

Kotlin File/Class

Groovy Class

Aspect

File

Bash Script

Package

package-info.java

HTML File

Stylesheet

JavaScript File

CoffeeScript File

Singleton

XSLT Stylesheet

Edit File Templates...

GUI Form

Dialog

Form Snapshot

Resource Bundle

XML Configuration File

Diagram

Data Source

Google Guice

.i* ignore file

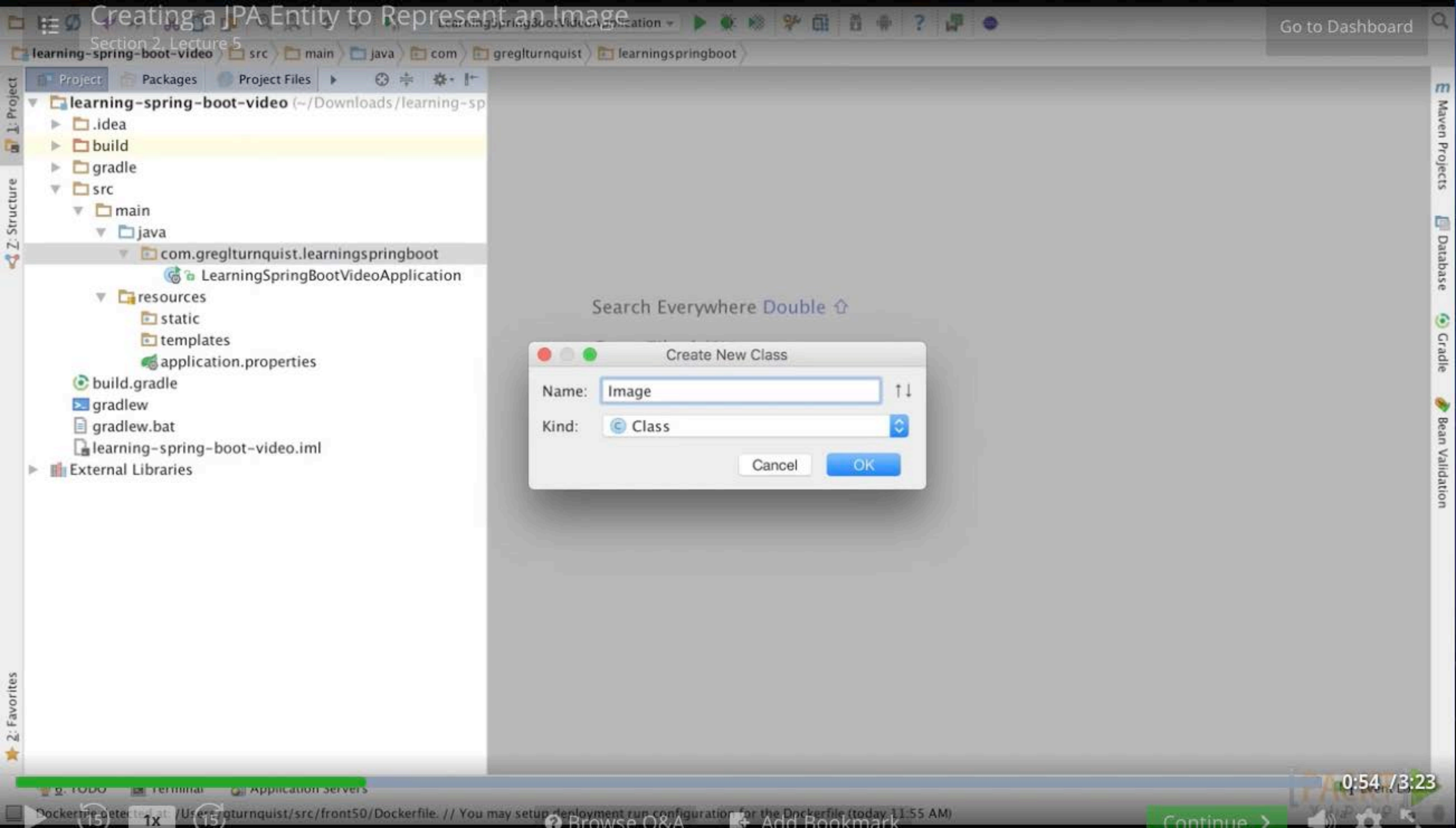
Groovy Script

0:52 / 3:23

Browse Q&A

Add Bookmark

Continue >



Creating a JPA Entity to Represent an Image

Section 2, Lecture 5

Go to Dashboard

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

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

Search Everywhere Double

Create New Class

Name:

Kind:

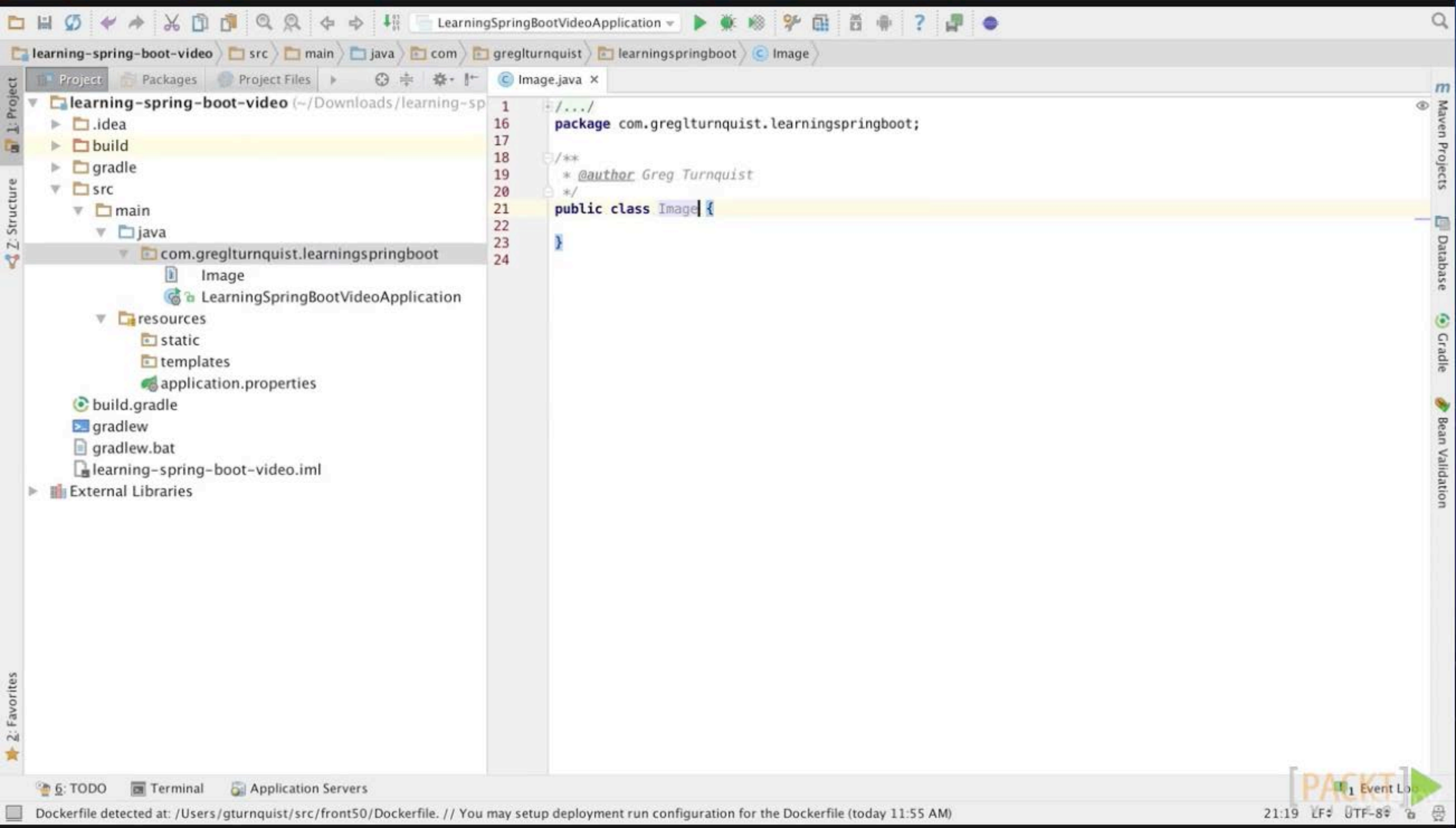
Cancel OK

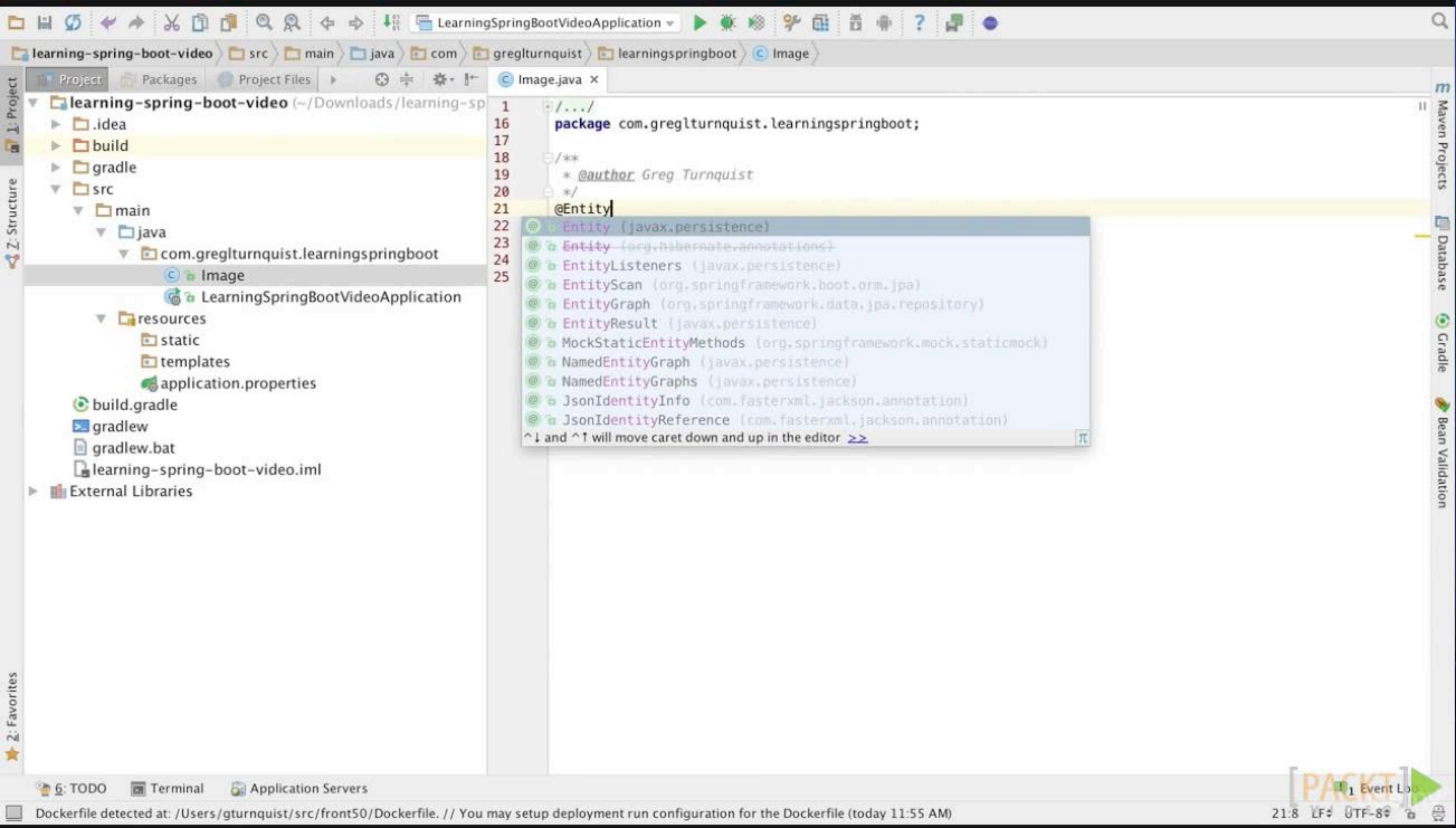
0:54 / 3:23

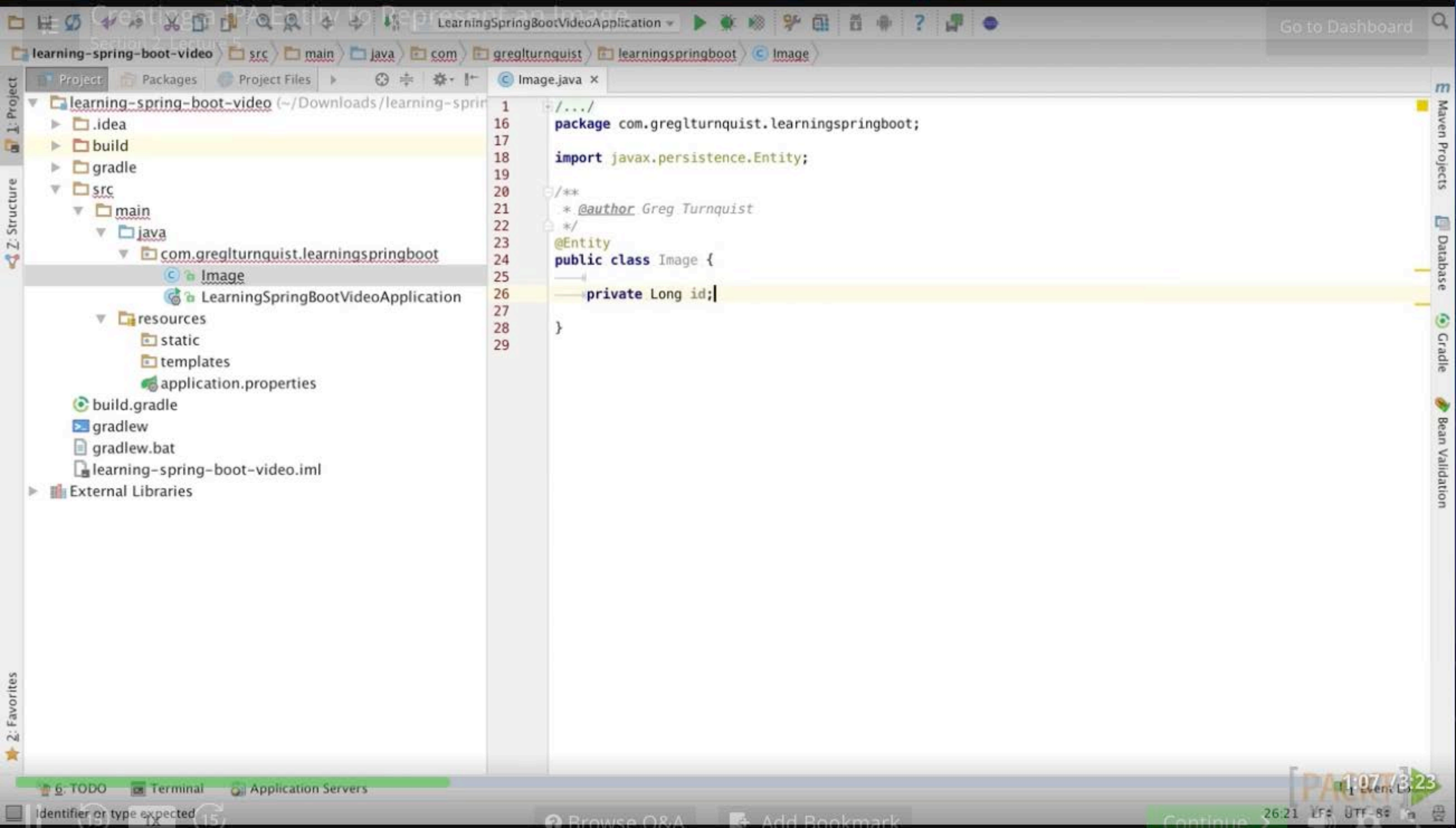
Continue

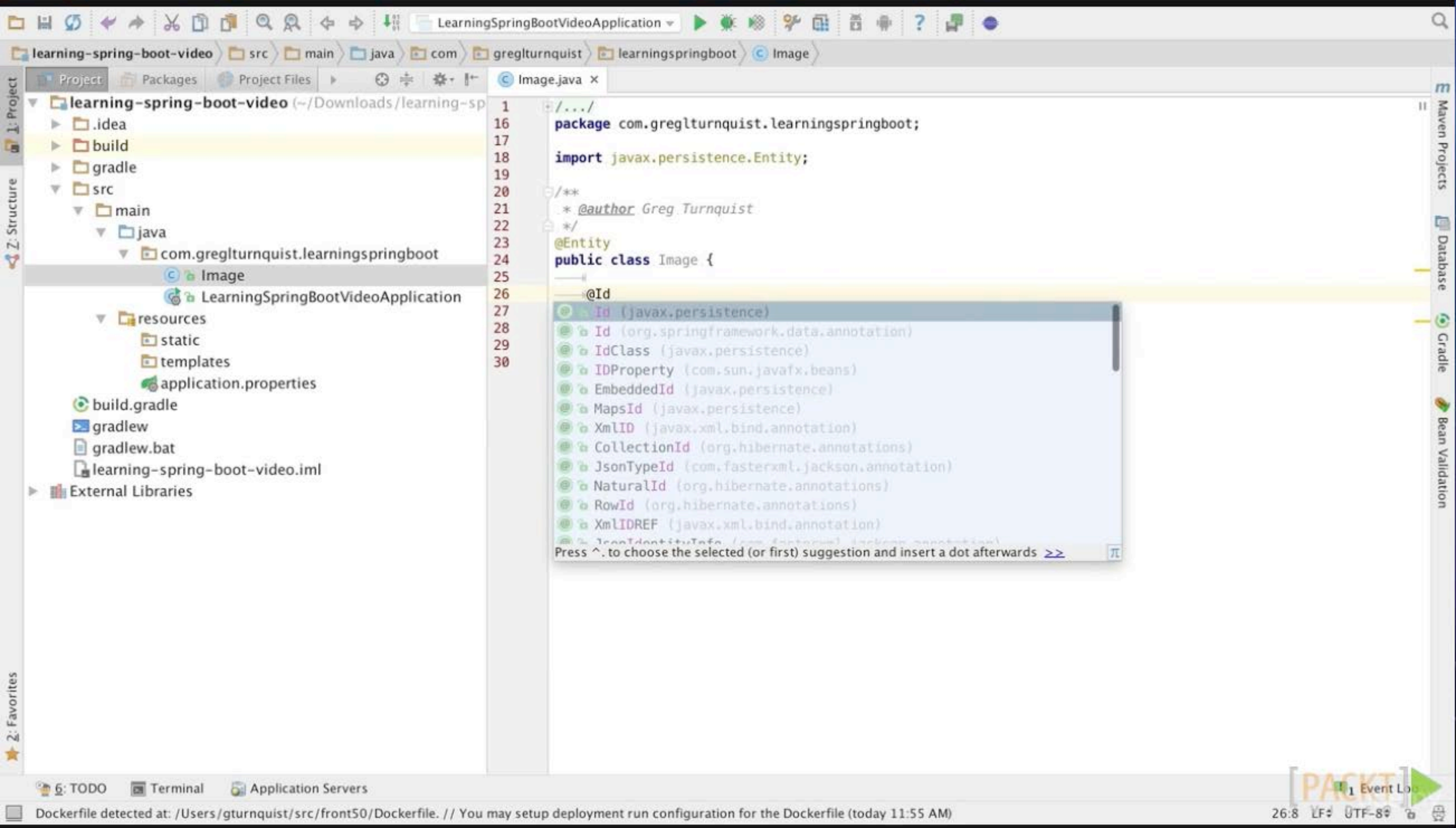
Browse O&A Add Bookmark

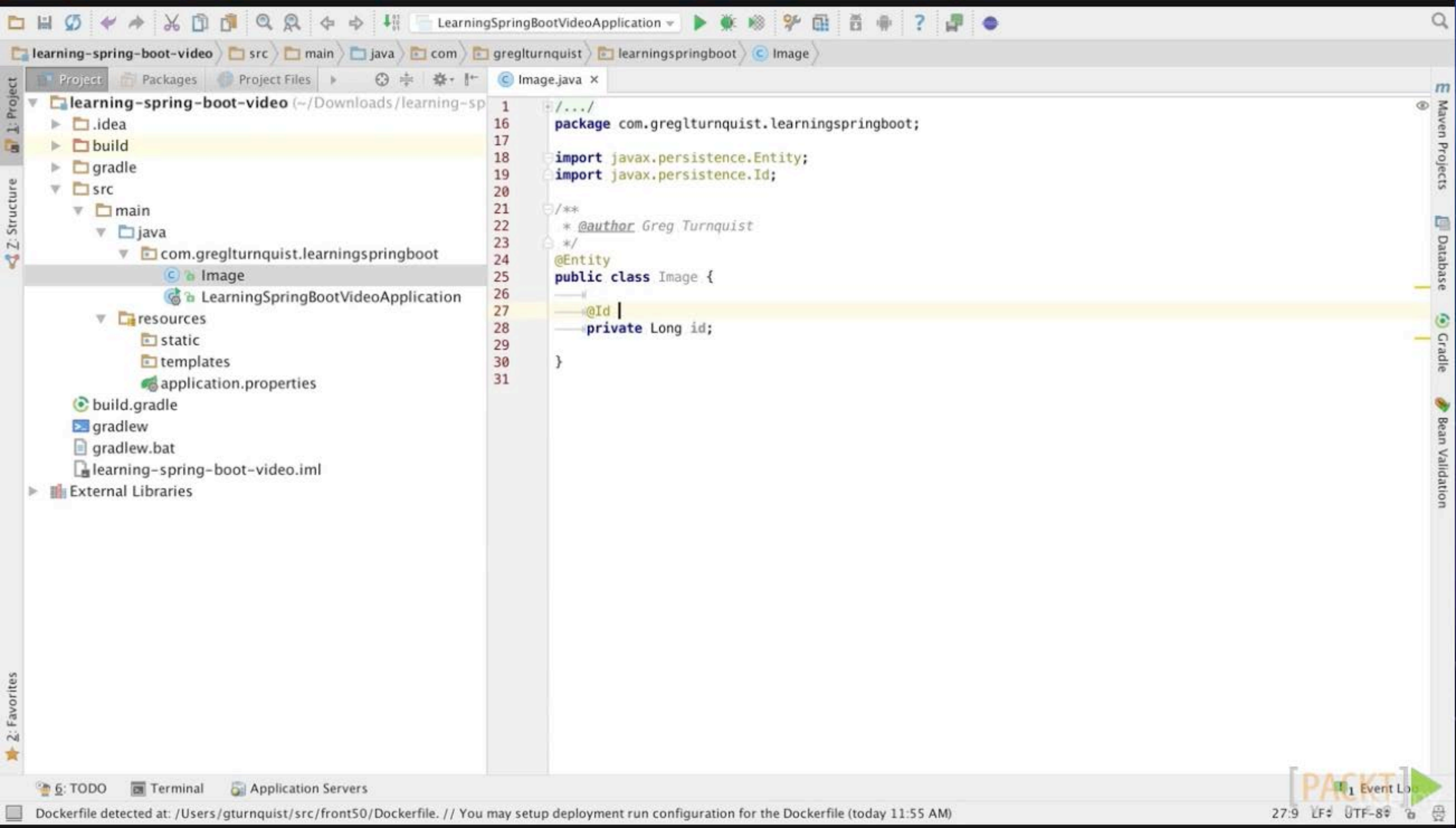
Dockerfile detected at: /Users/gturnquist/src/front50/Dockerfile. // You may setup deployment run configuration for the Dockerfile (today 11:55 AM)





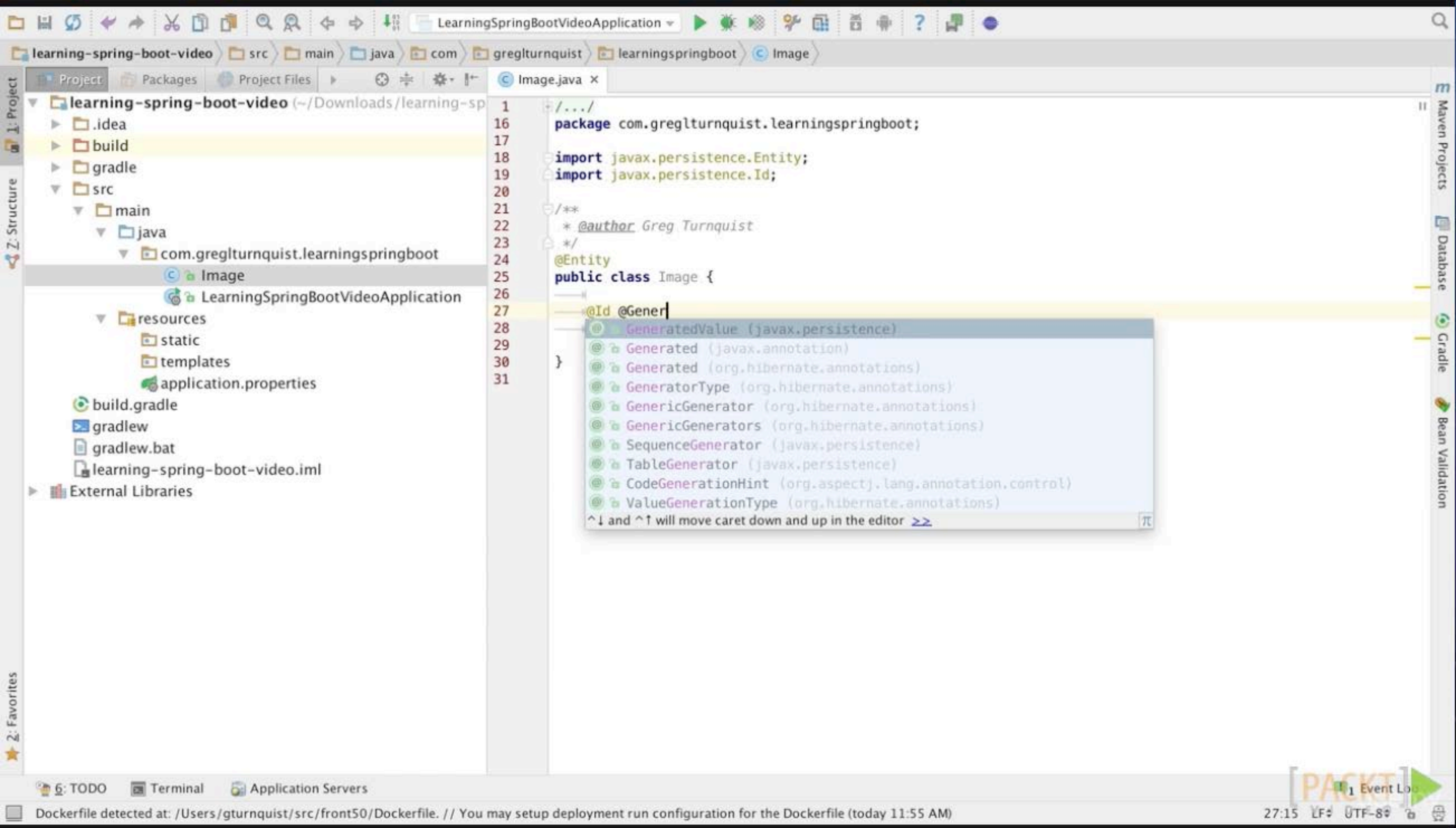


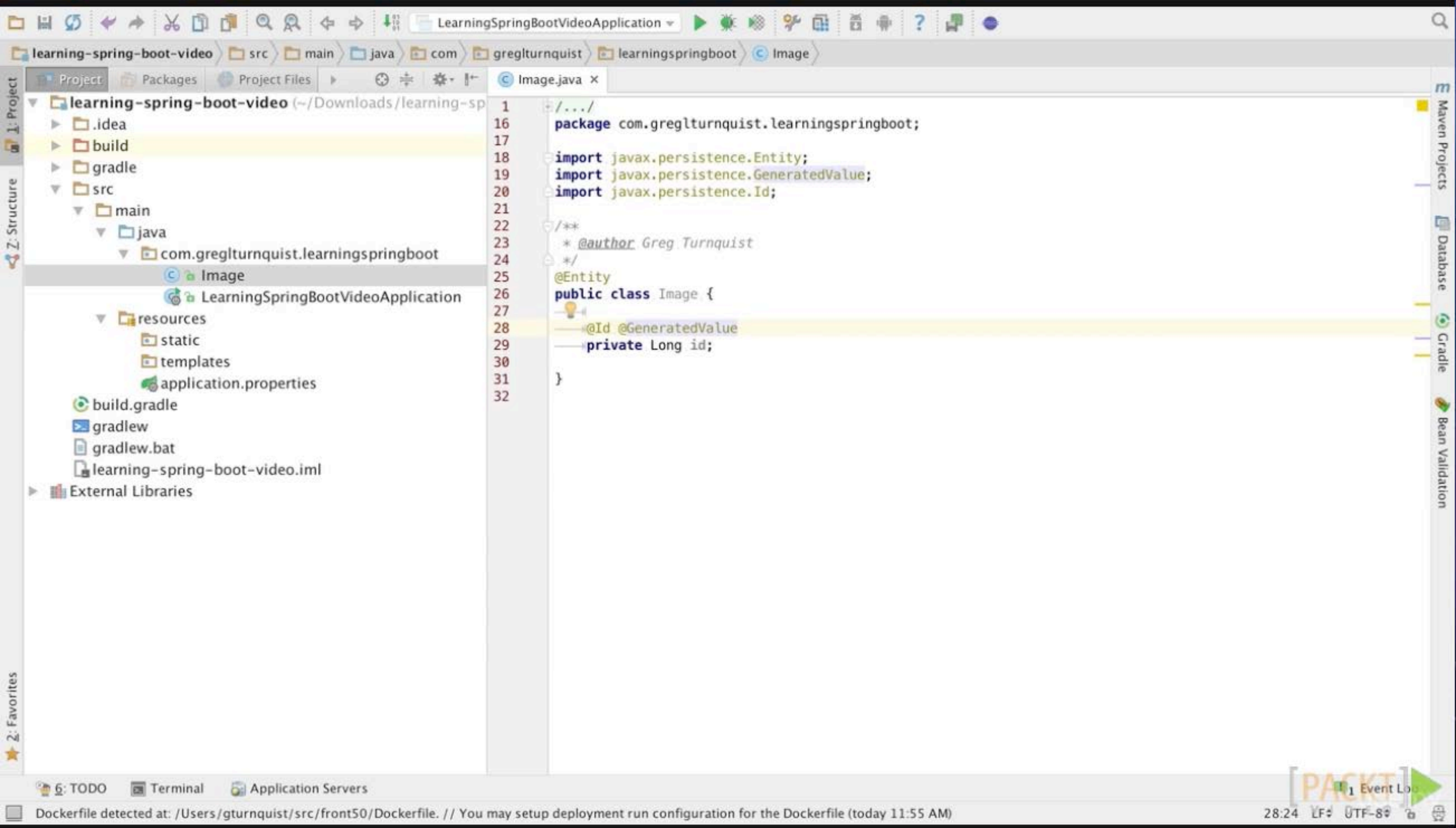


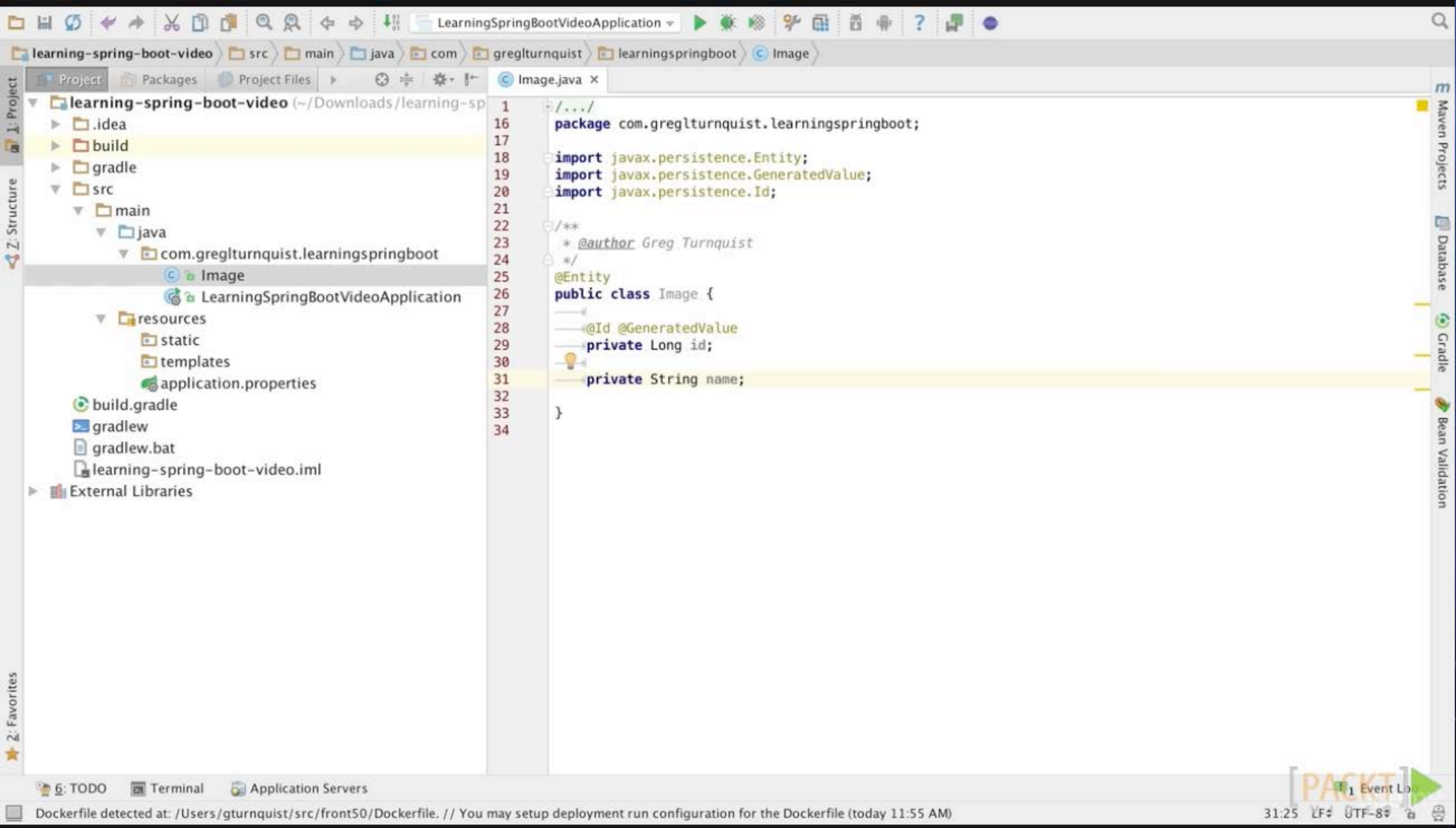


learning-spring-boot-video (~/.Downloads/learning-sp
└─ .idea
└─ build
└─ gradle
└─ src
└─ main
└─ java
└─ com.gregturnquist.learningspringboot
└─ Image
└─ LearningSpringBootApplication
└─ resources
└─ static
└─ templates
└─ application.properties
└─ build.gradle
└─ gradlew
└─ gradlew.bat
└─ learning-spring-boot-video.iml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

```
1  ../../
16 package com.gregturnquist.learningspringboot;
17
18 import javax.persistence.Entity;
19 import javax.persistence.Id;
20
21 /**
22  * @author Greg Turnquist
23  */
24 @Entity
25 public class Image {
26
27     @Id
28     private Long id;
29
30 }
31
```

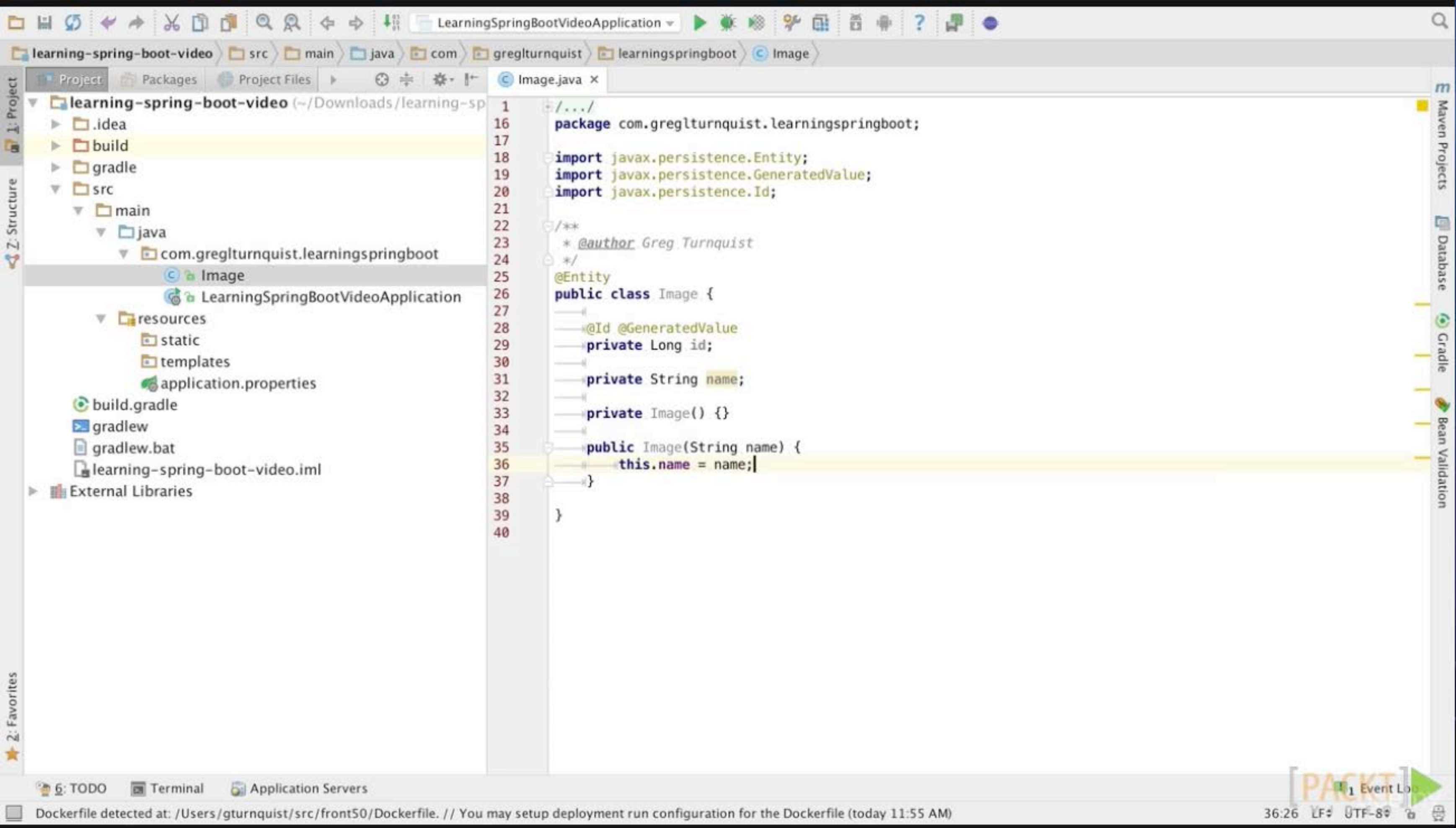
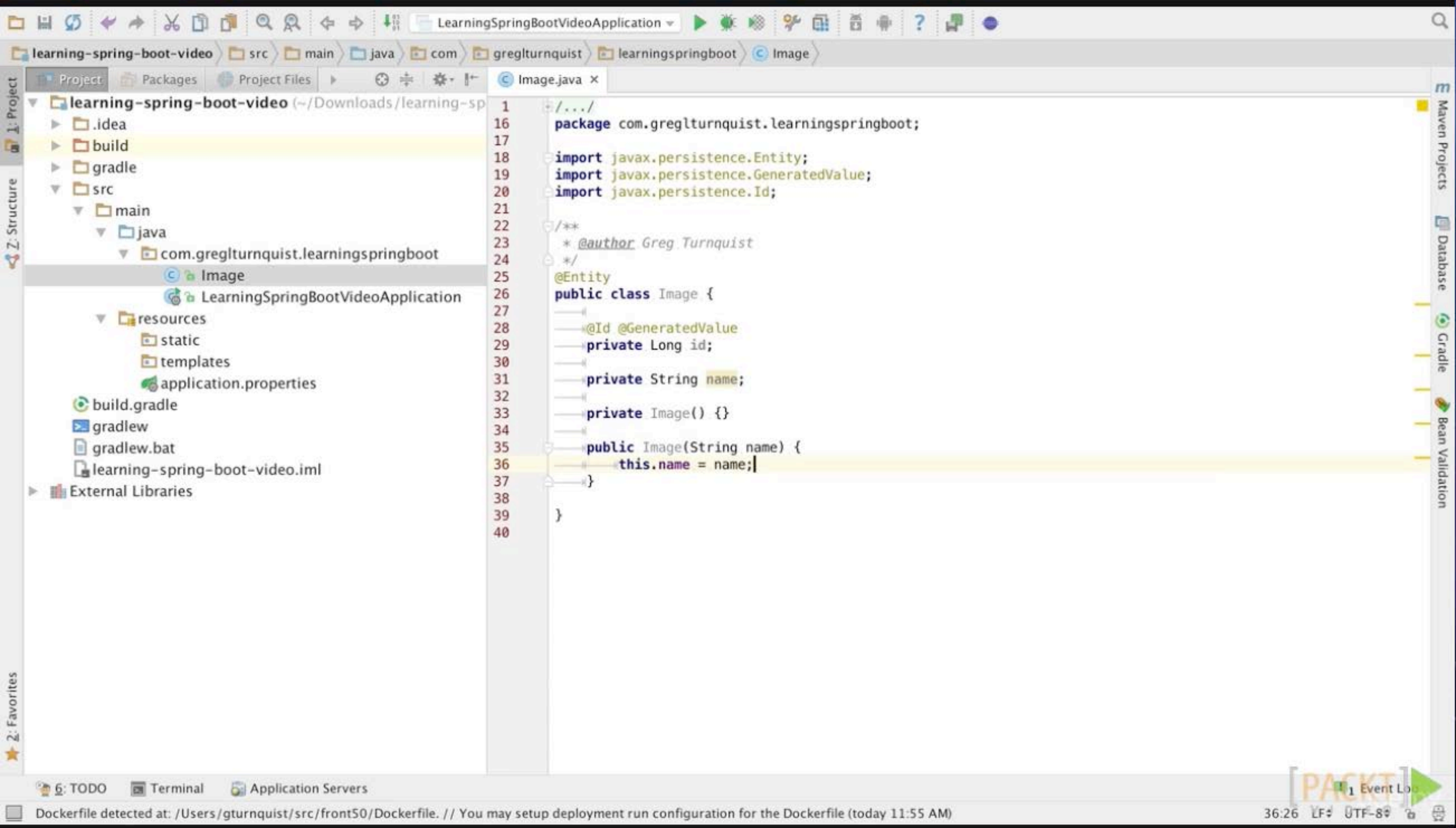


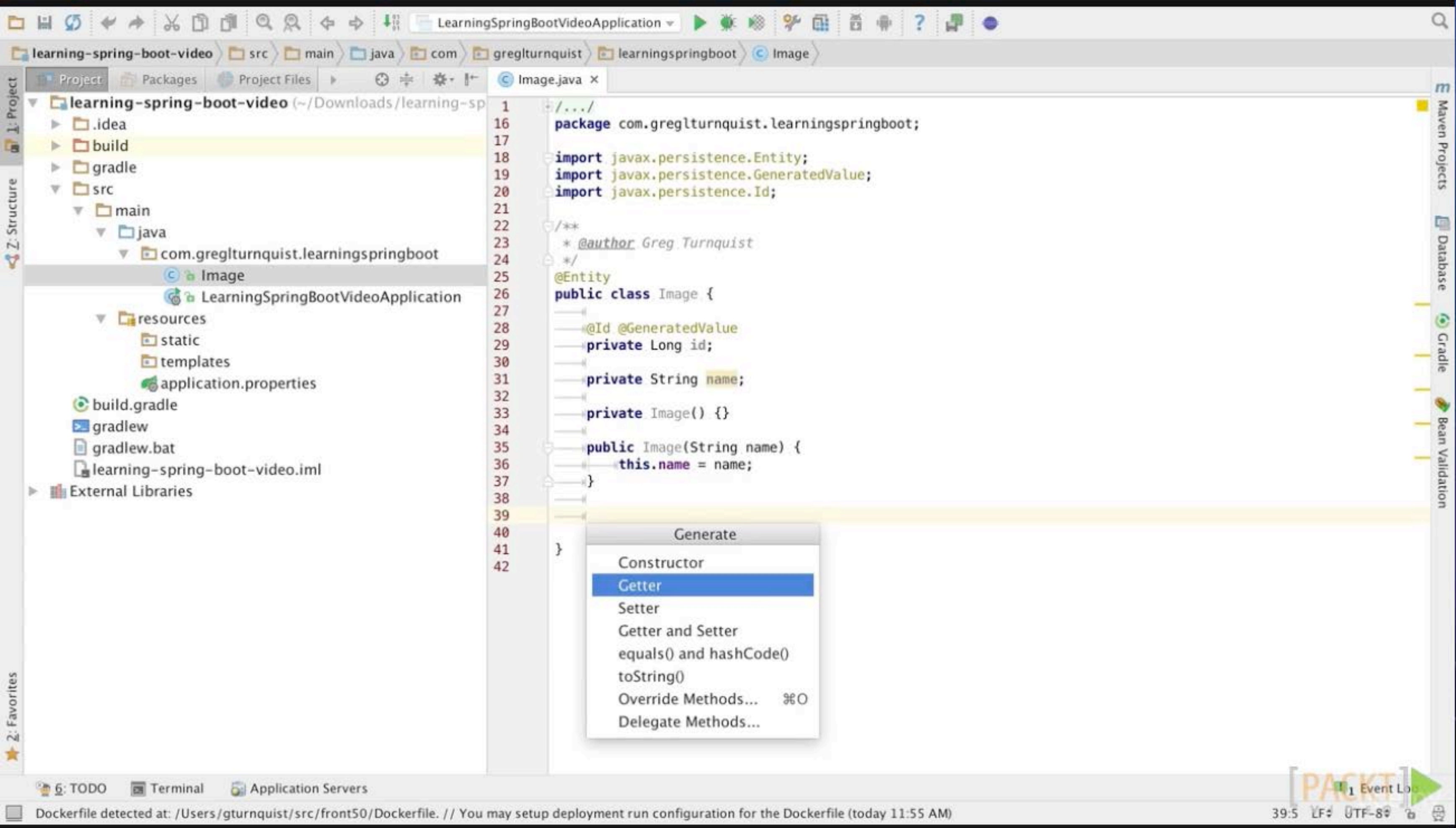


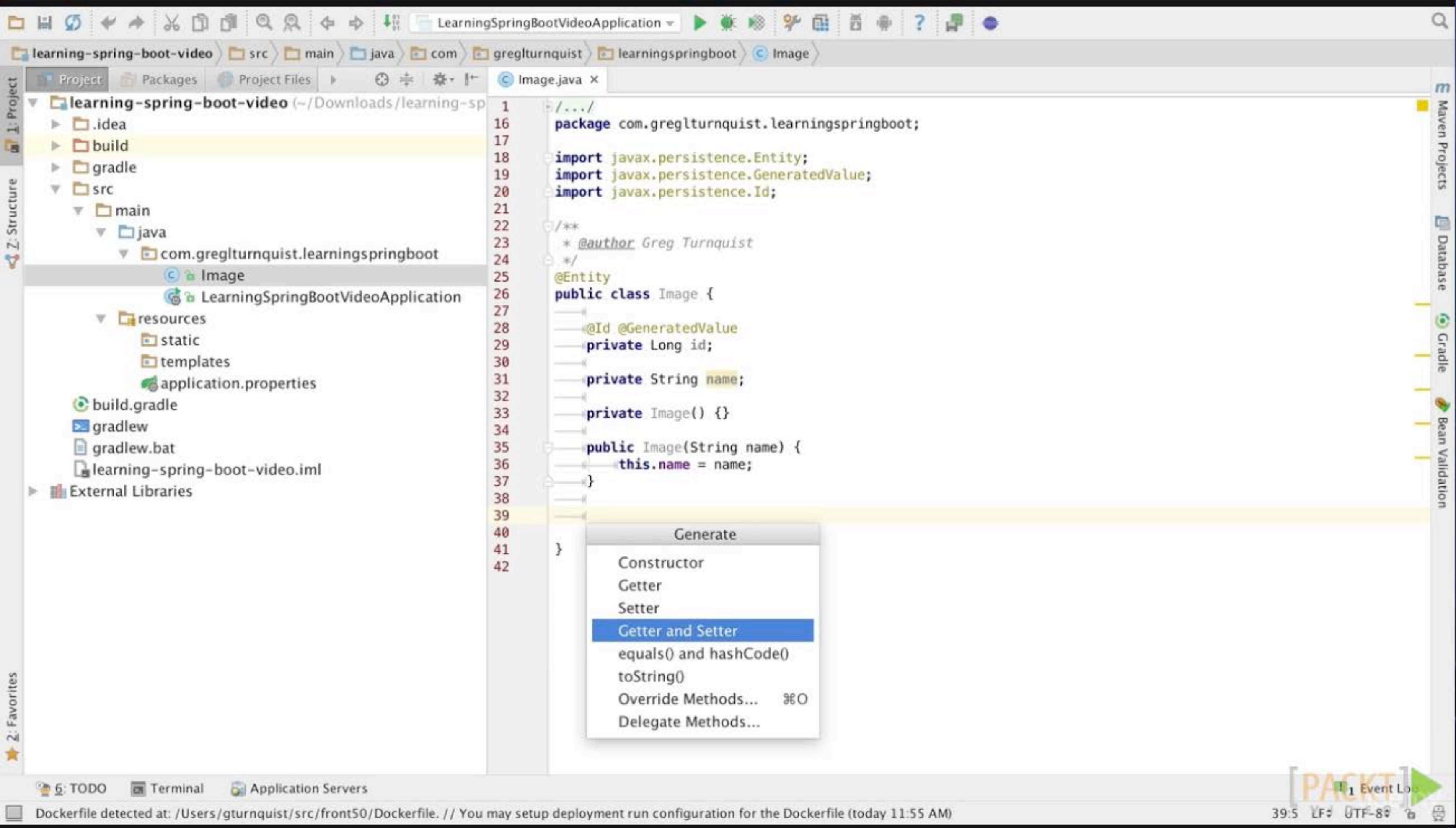


learning-spring-boot-video (~/.Downloads/learning-sp
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└─ gradlew
└─ gradlew.bat
└─ learning-spring-boot-video.iml
└─ External Libraries

```
1  ../../
16 package com.gregturnquist.learningspringboot;
17
18 import javax.persistence.Entity;
19 import javax.persistence.GeneratedValue;
20 import javax.persistence.Id;
21
22 /**
23  * @author Greg Turnquist
24  */
25 @Entity
26 public class Image {
27     ──
28     ── @Id @GeneratedValue
29     ── private Long id;
30     ──
31     ── private String name;
32
33 }
34
```







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

.idea

build

gradle

src

main

java

com.gregturnquist.learningspringboot

Image

LearningSpringBootVideoApplication

resources

static

templates

application.properties

build.gradle

gradlew

gradlew.bat

learning-spring-boot-video.iml

External Libraries

```
1  ../../
16 package com.gregturnquist.learningspringboot;
17
18 import javax.persistence.Entity;
19 import javax.persistence.GeneratedValue;
20 import javax.persistence.Id;
21
22 /**
23  * @author Greg Turnquist
24  */
25 @Entity
26 public class Image {
27
28     @Id @GeneratedValue
29     private Long id;
30
31     private String name;
32
33     private Image() {}
34
35     public Image(String name) {
36         this.name = name;
37     }
38
39
40
41
42 }
```

Generate

Constructor

Getter

Setter

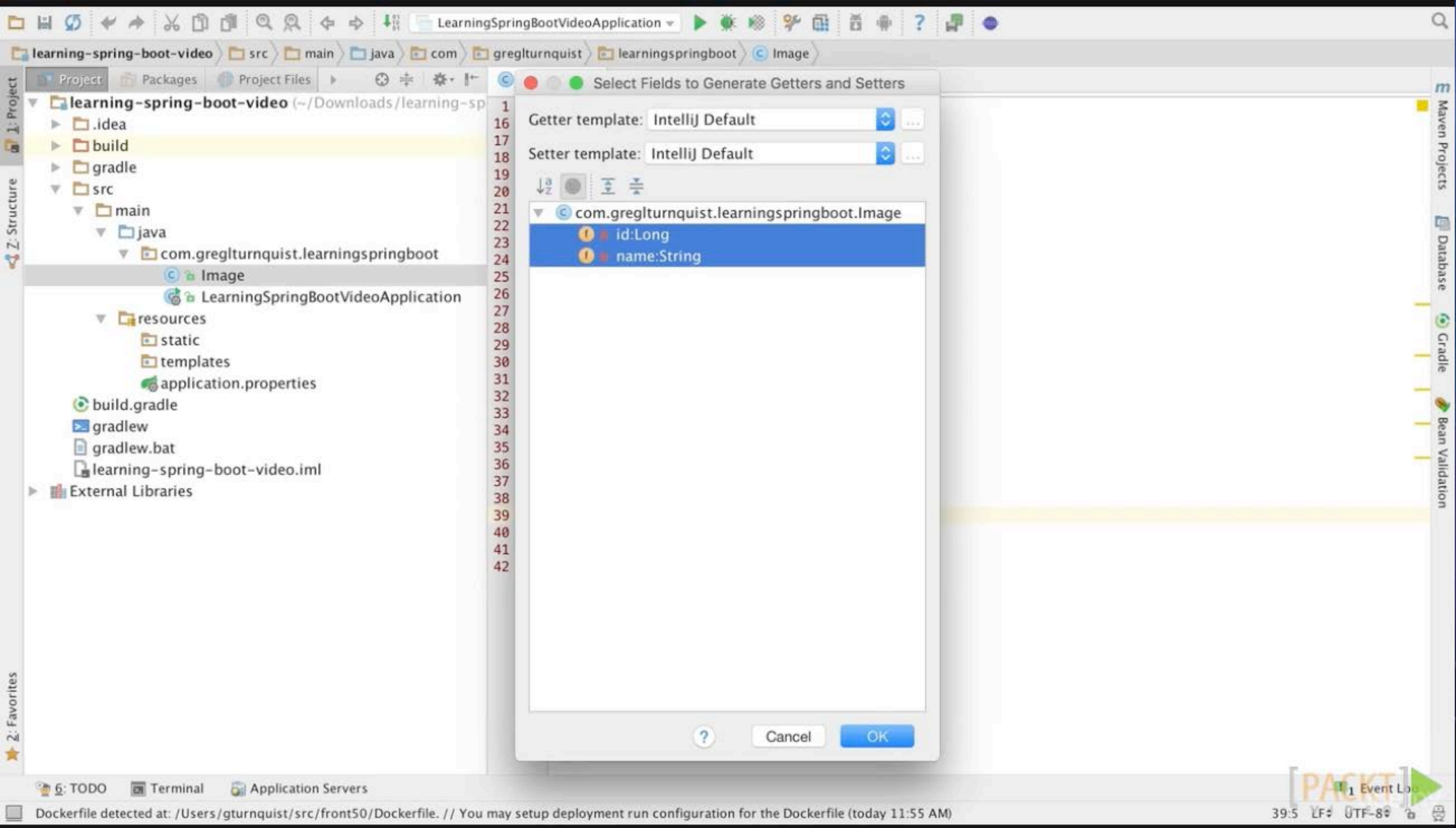
Getter and Setter

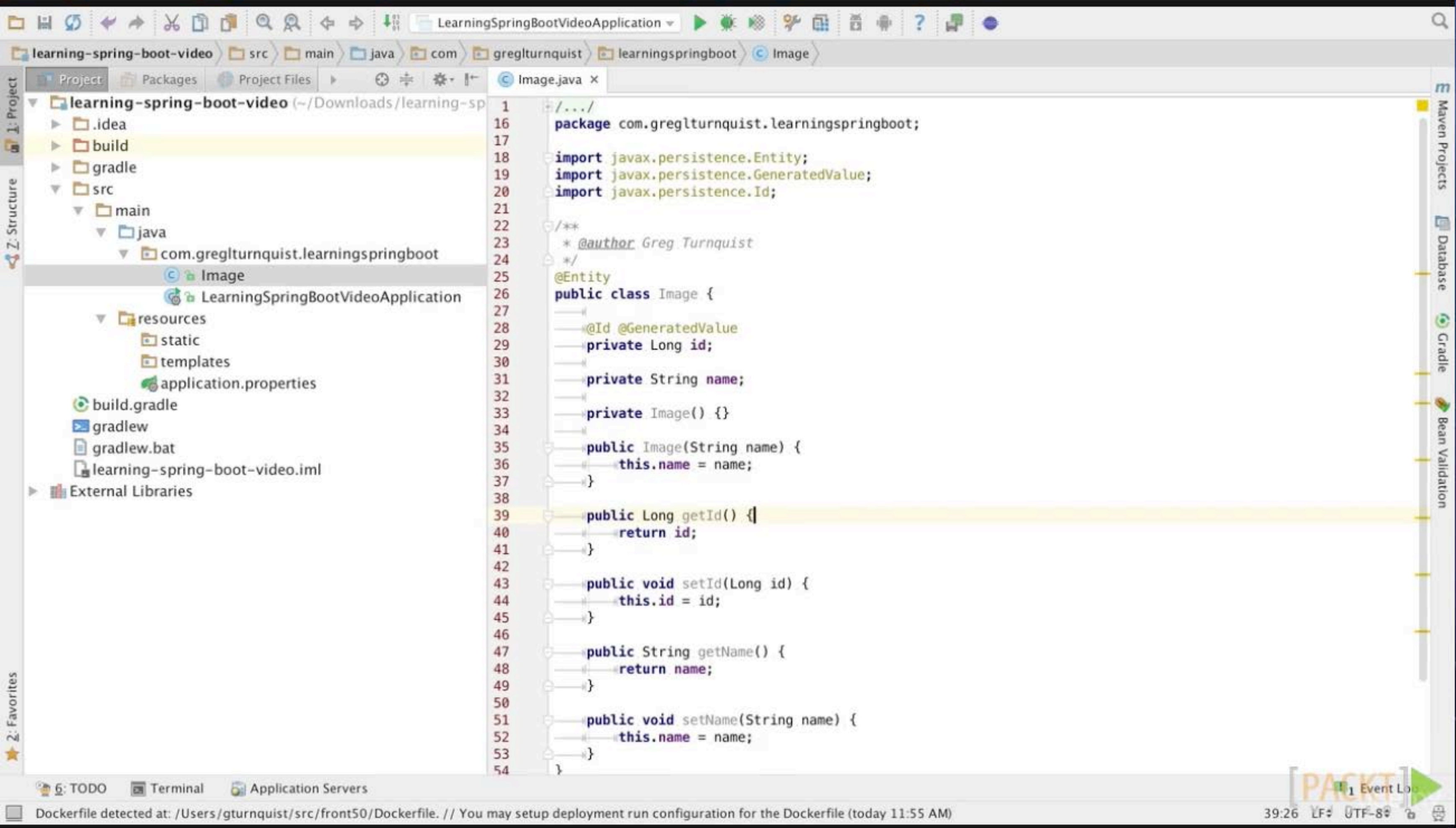
equals() and hashCode()

toString()

Override Methods... %O

Delegate Methods...





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19 import javax.persistence.GeneratedValue;
20 import javax.persistence.Id;
21
22 /**
23  * @author Greg Turnquist
24  */
25 @Entity
26 public class Image {
27     └─
28     └─ @Id @GeneratedValue
29     └─ private Long id;
30     └─
31     └─ private String name;
32     └─
33     └─ private Image() {}
34     └─
35     └─ public Image(String name) {
36         └─ this.name = name;
37     }
38
39     └─ public Long getId() {
40         └─ return id;
41     }
42
43     └─ public void setId(Long id) {
44         └─ this.id = id;
45     }
46
47     └─ public String getName() {
48         └─ return name;
49     }
50
51     └─ public void setName(String name) {
52         └─ this.name = name;
53     }
54 }
```


Next Video

Creating a Repository Interface for
the Image Domain Object