

# **PROJETO UM**



## Package Explorer

There are no projects in your workspace.  
To add a project:

- Create a Java project
- Create a Maven project
- Create new Spring Starter Project
- Import Spring Getting Started Content
- Create a project...
- Import projects...



Open a file or drop files here to open them.

Find Actions Ctrl+3

Show Key Assist Ctrl+Shift+L

New Ctrl+N

Open Type Ctrl+Shift+T

Problems x Javadoc Declaration

0 items

Description	Resource	Path	Location	Type

There are no projects in your workspace.  
To add a project:

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- Create new Spring Starter Project
- Import Spring Getting Started Content
- Create a project...
- Import projects...

### New Spring Starter Project

Service URL:

Name:

☒ Use default location

Location:

Type:  Packaging:

Java Version:  Language:

Group:

Artifact:

Version:

Description:

Package:

Working sets

☐ Add project to working sets

Working sets:

Description	Resource	Path	Location	Type
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Workspace - SpringMVC2 - Spring Tool Suite 4

File Edit Source Refactor Navigate Search Project Explorer

Package Explorer x

> projetoUM [boot] [devtools]

### New Spring Starter Project Dependencies

Spring Boot Version: 3.4.0

Frequently Used:

☐ H2 Database ☒ Spring Boot DevTools ☐ Spring Data JDBC  
☒ Spring Web ☒ Thymeleaf

Available:

- AI
- Developer Tools
- Google Cloud
- I/O
- Messaging
- Microsoft Azure
- NoSQL
- Observability

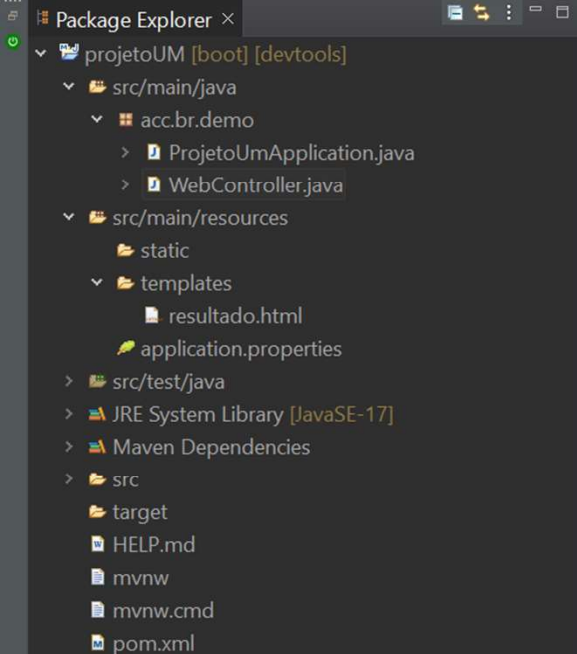
Selected:

- X Spring Boot DevTools
- X Thymeleaf
- X Spring Web

? < Back Next > Finish Cancel

clipse.justj.openjdk.hotspot.jre.full.win32.x86\_64.17.0.7.v20230425

```
o.s.b.w.e.tomcat.GracefulShutdown
o.s.b.w.e.tomcat.GracefulShutdown
o.s.b.f.support.DisposableBeanAdapter
com.zaxxer.hikari.HikariDataSource
com.zaxxer.hikari.HikariDataSource
```



```
WebController.java x resultado.html
1 package acc.br.demo;
2
3 import org.springframework.stereotype.Controller;
4 import org.springframework.web.bind.annotation.GetMapping;
5
6 @Controller
7 public class WebController {
8
9     @GetMapping("/teste")
10    public String teste() {
11        return "resultado";
12    }
13
14 }
15
```

```
<terminated> projetoUM - ProjetoUmApplication [Spring Boot App] C:\Devel\sts-4.19.1.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.7.v20230425-
2024-12-02T14:58:41.340-03:00 INFO 13360 --- [projetoUM] [ restartedMain] .ConditionEvaluationDeltaLoggingListener
2024-12-02T14:58:41.340-03:00 INFO 13360 --- [projetoUM] [ restartedMain] .ConditionEvaluationDeltaLoggingListener
2024-12-02T14:59:11.541-03:00 INFO 13360 --- [projetoUM] [nio-8080-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/]
2024-12-02T14:59:11.542-03:00 INFO 13360 --- [projetoUM] [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet
2024-12-02T14:59:11.543-03:00 INFO 13360 --- [projetoUM] [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet
2024-12-02T15:00:07.233-03:00 INFO 13360 --- [projetoUM] [n(11)-127.0.0.1] inMXBeanRegistrar$SpringApplicationAdmin
2024-12-02T15:00:07.235-03:00 INFO 13360 --- [projetoUM] [n(11)-127.0.0.1] o.s.b.w.e.tomcat.GracefulShutdown
2024-12-02T15:00:07.450-03:00 INFO 13360 --- [projetoUM] [tomcat-shutdown] o.s.b.w.e.tomcat.GracefulShutdown
2024-12-02T15:00:07.452-03:00 WARN 13360 --- [projetoUM] [n(11)-127.0.0.1] o.s.b.f.support.DisposableBeanAdapter
2024-12-02T15:00:07.453-03:00 INFO 13360 --- [projetoUM] [n(11)-127.0.0.1] com.zaxxer.hikari.HikariDataSource
2024-12-02T15:00:07.453-03:00 INFO 13360 --- [projetoUM] [n(11)-127.0.0.1] com.zaxxer.hikari.HikariDataSource
```

WorkSpace - SpringMVC2 - projetoUM/src/main/resources/templates/resultado.html - Spring Tool Suite 4

File Edit Source Navigate Search Project Run Window Help

Package Explorer ×

- projetoUM [boot] [devtools]
  - src/main/java
    - acc.br.demo
      - ProjetoUmApplication.java
      - WebController.java
  - src/main/resources
    - static
    - templates
      - resultado.html
    - application.properties
  - src/test/java
  - JRE System Library [JavaSE-17]
  - Maven Dependencies
  - src
    - target
    - HELP.md
    - mvnw
    - mvnw.cmd
    - pom.xml

WebController.java

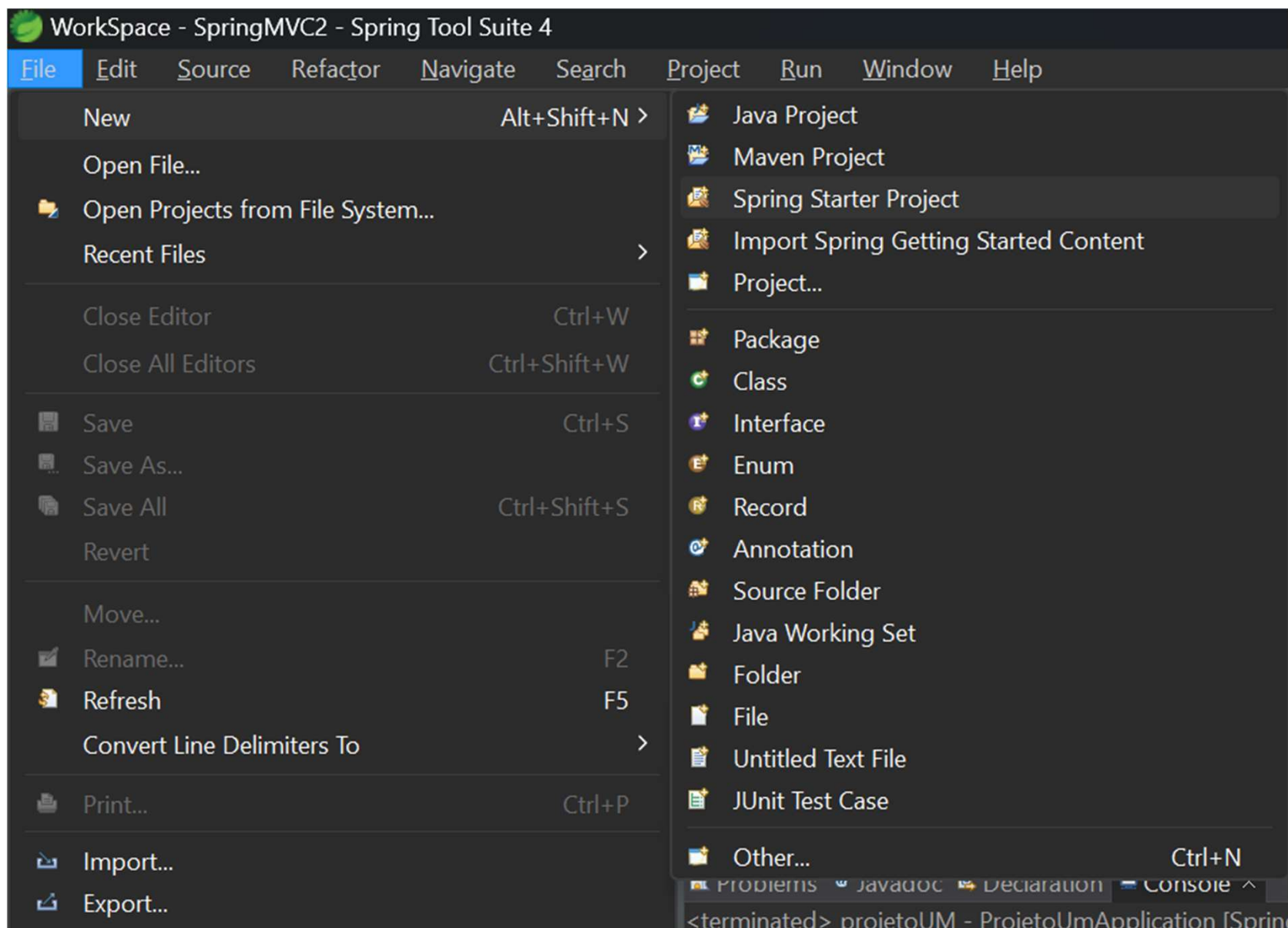
resultado.html ×

```
1 <html>
2   <body>
3     <h1>
4       Hello World! Estamos na página de resultados
5     </h1>
6   </body>
7 </html>
```

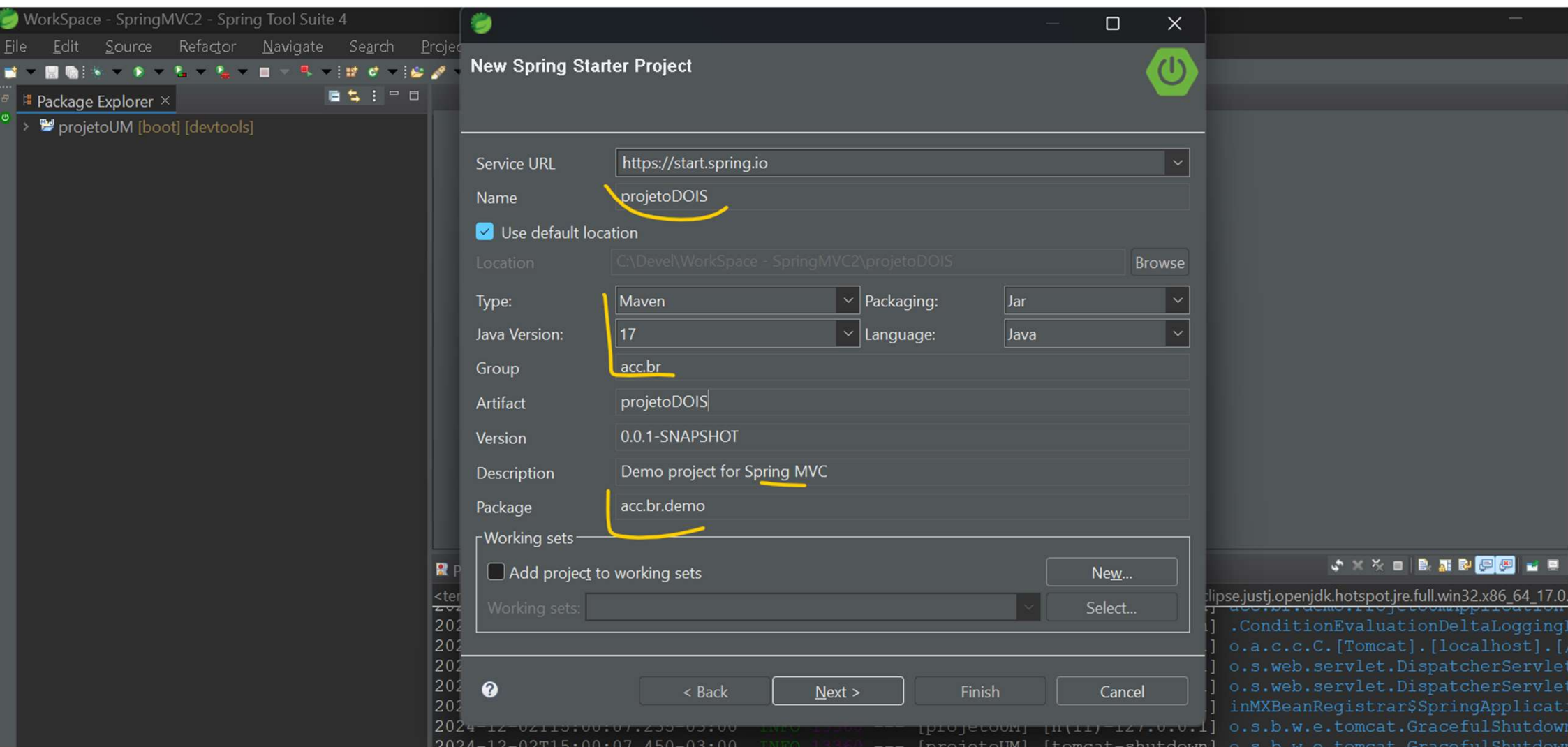
Problems Javadoc Declaration Console ×

# **PROJETO DOIS**









Workspace - SpringMVC2 - Spring Tool Suite 4

File Edit Source Refactor Navigate Search Project

Package Explorer x

> projetoUM [boot] [devtools]

### New Spring Starter Project Dependencies

Spring Boot Version: 3.4.0

Frequently Used:

<input checked="" type="checkbox"/> H2 Database	<input checked="" type="checkbox"/> Spring Boot DevTools	<input checked="" type="checkbox"/> Spring Data JDBC
<input checked="" type="checkbox"/> Spring Web	<input checked="" type="checkbox"/> Thymeleaf	

Available:

Type to search dependencies

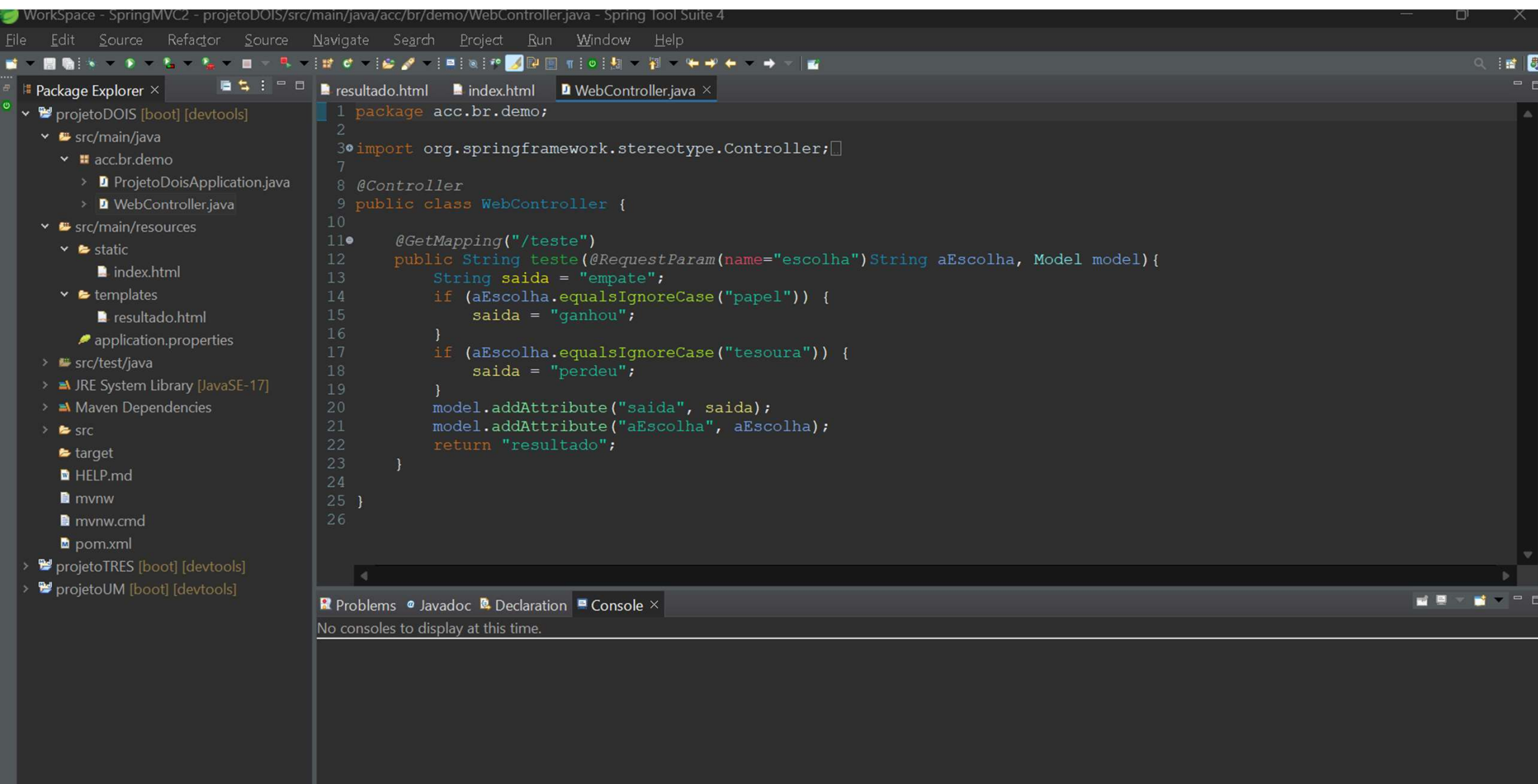
- AI
- Developer Tools
  - ☐ GraalVM Native Support
  - ☐ GraphQL DGS Code Generation
  - ☒ Spring Boot DevTools
  - ☐ Lombok
  - ☐ Spring Configuration Processor
  - ☐ Docker Compose Support
  - ☐ Spring Modulith
- Google Cloud

Selected:

- X Spring Boot DevTools ✓
- X Spring Data JDBC ✓
- X H2 Database ✓
- X Thymeleaf ✓
- X Spring Web ✓

? < Back Next > **Finish** Cancel

```
clipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.7.v2023042
] .ConditionEvaluationDeltaLoggingListener
] o.a.c.c.C.[Tomcat].[localhost].[/]
] o.s.web.servlet.DispatcherServlet
] o.s.web.servlet.DispatcherServlet
] inMBeanRegistrar$SpringApplicationAdmin
] o.s.b.w.e.tomcat.GracefulShutdown
] o.s.b.w.e.tomcat.GracefulShutdown
] o.s.b.f.support.DisposableBeanAdapter
] com.zaxxer.hikari.HikariDataSource
] com.zaxxer.hikari.HikariDataSource
```



WorkSpace - SpringMVC2 - projetoDOIS/src/main/resources/static/index.html - Spring Tool Suite 4

File Edit Source Navigate Search Project Run Window Help



Package Explorer × index.html ×

- projetoDOIS [boot] [devtools]
  - src/main/java
    - acc.br.demo
      - ProjetoDoisApplication.java
      - WebController.java
  - src/main/resources
    - static
      - index.html
    - templates
      - resultado.html
    - application.properties
  - src/test/java
  - JRE System Library [JavaSE-17]
  - Maven Dependencies
  - src
    - target
    - HELP.md
    - mvnw
    - mvnw.cmd
    - pom.xml
- projetoTRES [boot] [devtools]
- projetoUM [boot] [devtools]

```
1<html>
2  <head>
3    <title>
4      Este é o projeto DOIS
5    </title>
6  </head>
7  <body>
8    <p> Qual será o resultado? </p>
9    <a href="/teste?escolha=pedra">Pedra</a>
10   <br>
11   <a href="/teste?escolha=papel">Papel</a>
12   <br>
13   <a href="/teste?escolha=tesoura">Tesoura</a>
14 </body>
15</html>
```

Problems Javadoc Declaration Console ×

No consoles to display at this time.

Workspace - SpringMVC2 - projetoDOIS/src/main/resources/templates/resultado.html - Spring Tool Suite 4

File Edit Source Navigate Search Project Run Window Help

Package Explorer ×

projetoDOIS [boot] [devtools]  
src/main/java  
acc.br.demo  
ProjetoDoisApplication.java  
WebController.java  
src/main/resources  
static  
index.html  
templates  
resultado.html  
application.properties  
src/test/java  
JRE System Library [JavaSE-17]  
Maven Dependencies  
src  
target  
HELP.md  
mvnw  
mvnw.cmd  
pom.xml  
projetoTRES [boot] [devtools]  
projetoUM [boot] [devtools]

index.html resultado.html ×

```
1<html>
2  <body>
3    <h1> Hello World! Estamos na página de resultados </h1>
4    <br>
5    Você escolheu: <span th:text="{aEscolha}"/>
6    <br>
7    O resultado de sua escolha foi: <span th:text="{saida}"/>
8  </body>
9</html>
```

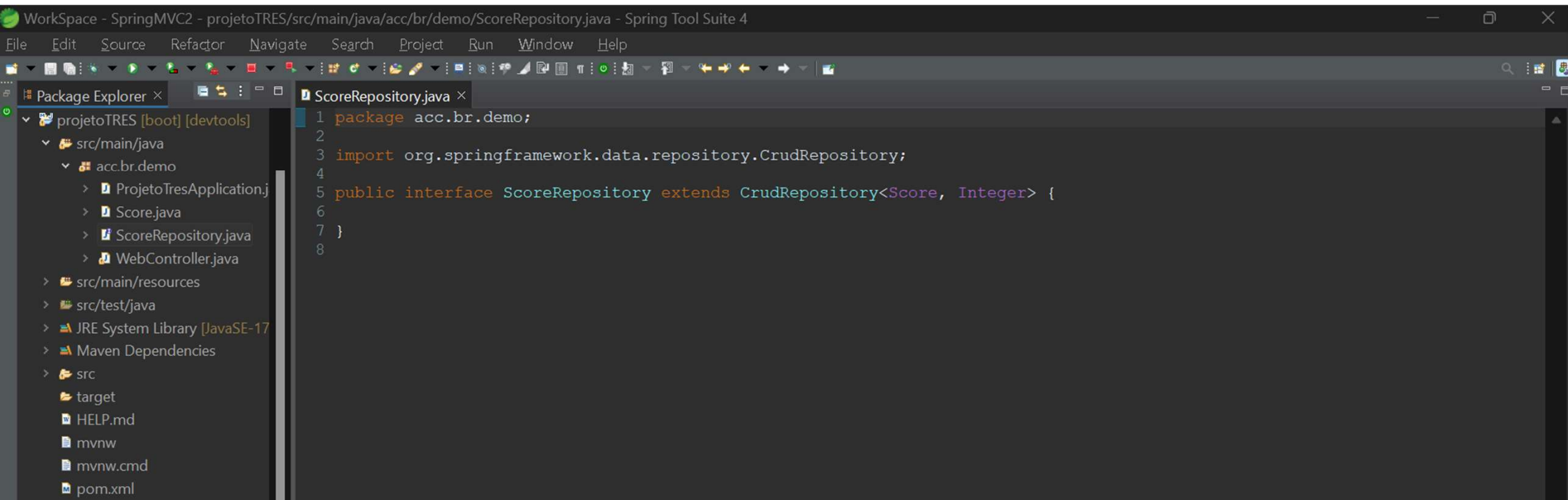
Problems Javadoc Declaration Console ×

No consoles to display at this time.

**PARTE TRÊS**

# Idem projeto DOIS

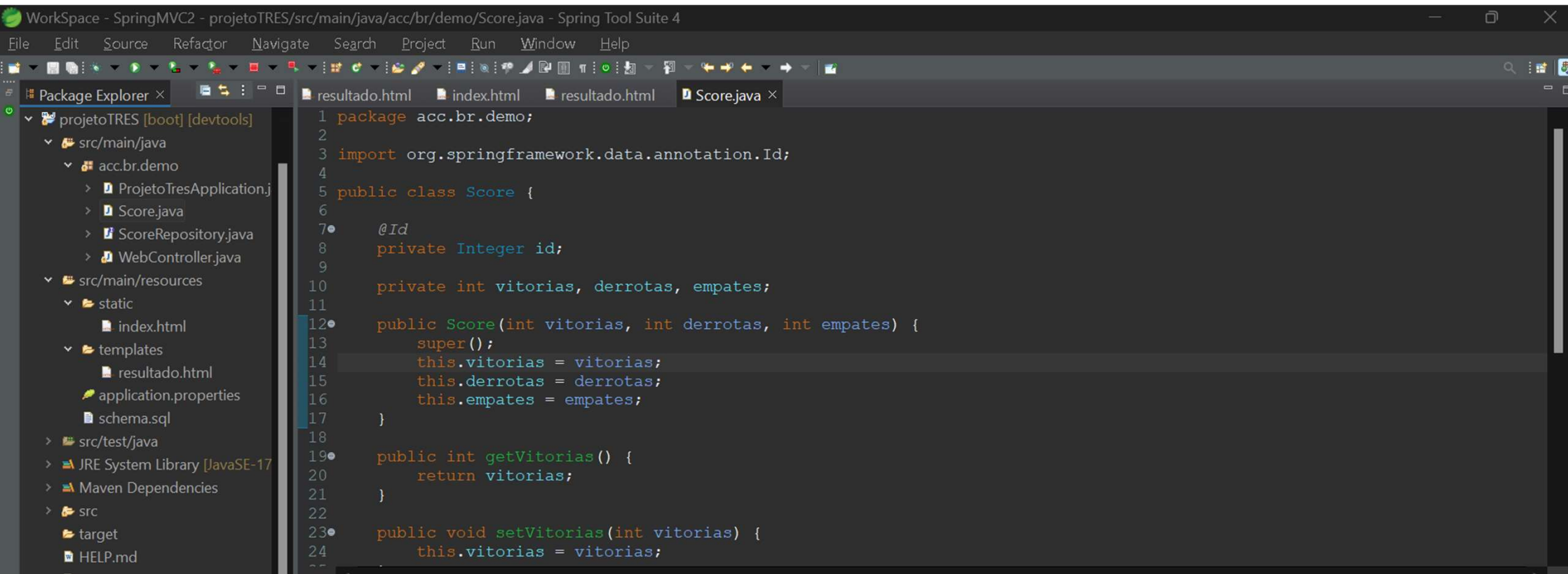
## Adicione Score.java e ScoreRepository.java





# Idem projeto DOIS

## Adicione Score.java e ScoreRepository.java

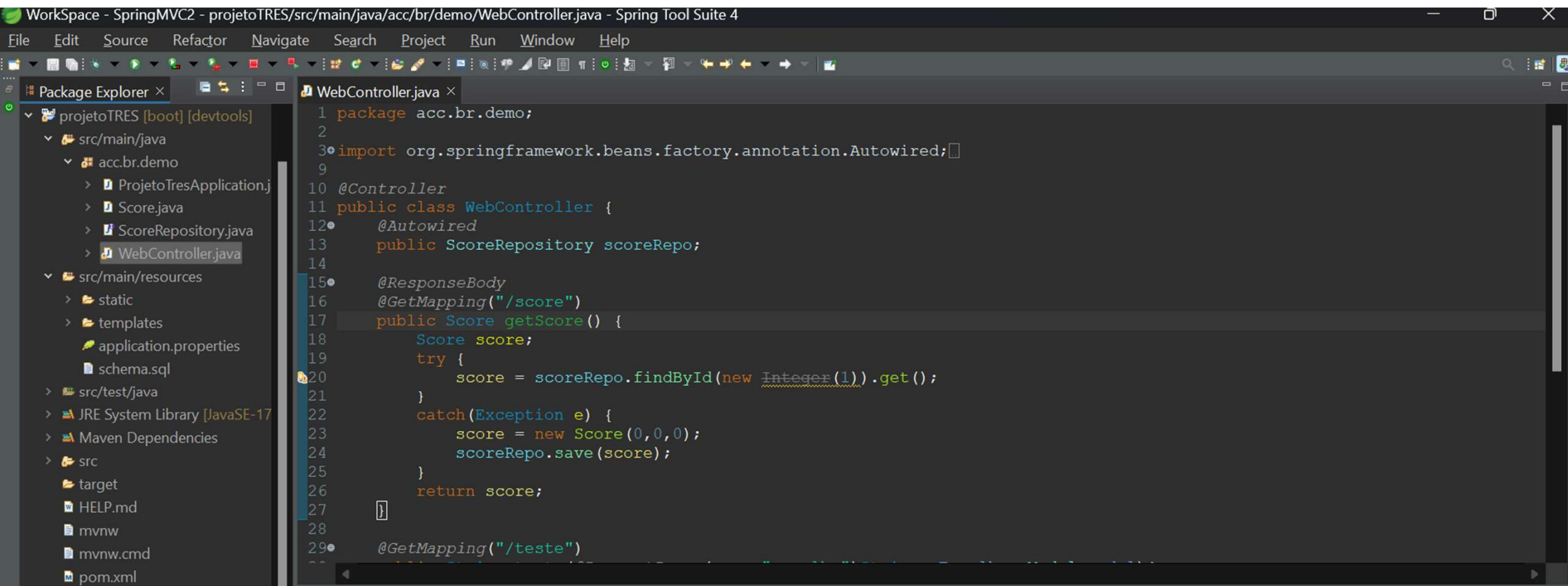


The screenshot shows the Spring Tool Suite 4 IDE interface. The Package Explorer on the left displays the project structure for 'projetoTRES'. The 'src/main/java/acc.br/demo' package is expanded, showing 'ProjetoTresApplication.j', 'Score.java', 'ScoreRepository.java', and 'WebController.java'. The 'src/main/resources' package is also expanded, showing 'static', 'templates', 'application.properties', and 'schema.sql'. The 'src/test/java' package is expanded, showing 'JRE System Library [JavaSE-17]', 'Maven Dependencies', and 'src'. The Editor on the right shows the content of 'Score.java'.

```
1 package acc.br.demo;
2
3 import org.springframework.data.annotation.Id;
4
5 public class Score {
6
7     @Id
8     private Integer id;
9
10    private int vitorias, derrotas, empates;
11
12    public Score(int vitorias, int derrotas, int empates) {
13        super();
14        this.vitorias = vitorias;
15        this.derrotas = derrotas;
16        this.empates = empates;
17    }
18
19    public int getVitorias() {
20        return vitorias;
21    }
22
23    public void setVitorias(int vitorias) {
24        this.vitorias = vitorias;
25    }
26 }
```

# Idem projeto DOIS

## Altere o WebController.java

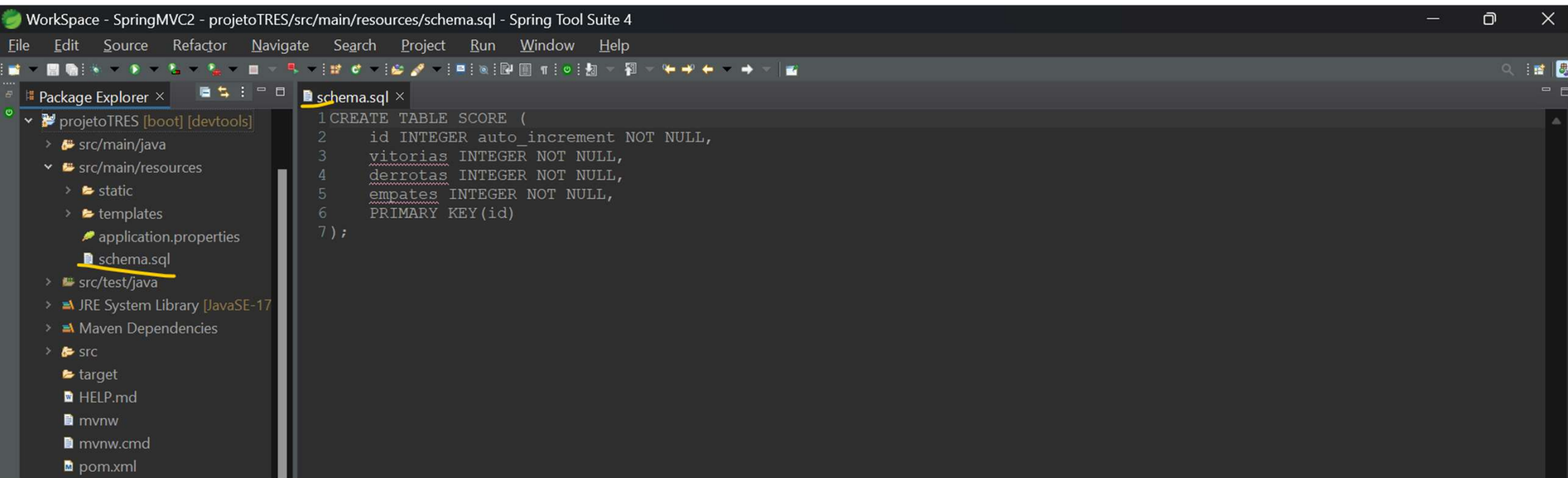


The screenshot shows the Spring Tool Suite 4 IDE. The Package Explorer on the left displays the project structure: projetoTRES [boot] [devtools] > src/main/java > acc.br.demo > WebController.java. The Editor on the right shows the content of WebController.java:

```
1 package acc.br.demo;
2
3 import org.springframework.beans.factory.annotation.Autowired;
4
5
6
7
8
9
10 @Controller
11 public class WebController {
12     @Autowired
13     public ScoreRepository scoreRepo;
14
15     @ResponseBody
16     @GetMapping("/score")
17     public Score getScore() {
18         Score score;
19         try {
20             score = scoreRepo.findById(new Integer(1)).get();
21         }
22         catch (Exception e) {
23             score = new Score(0,0,0);
24             scoreRepo.save(score);
25         }
26         return score;
27     }
28
29     @GetMapping("/teste")
30     // ...
```

# Idem projeto DOIS

## Adicione schema.sql



# DESAFIO 1

Adicionar os contadores de score.

Salvar o score.

Adicionar função para zerar o score.