

# Tutorial SpringBoot com JPA, Hibernate, H2 e Rest

## Parte I

**Glauco Todesco**

Download:

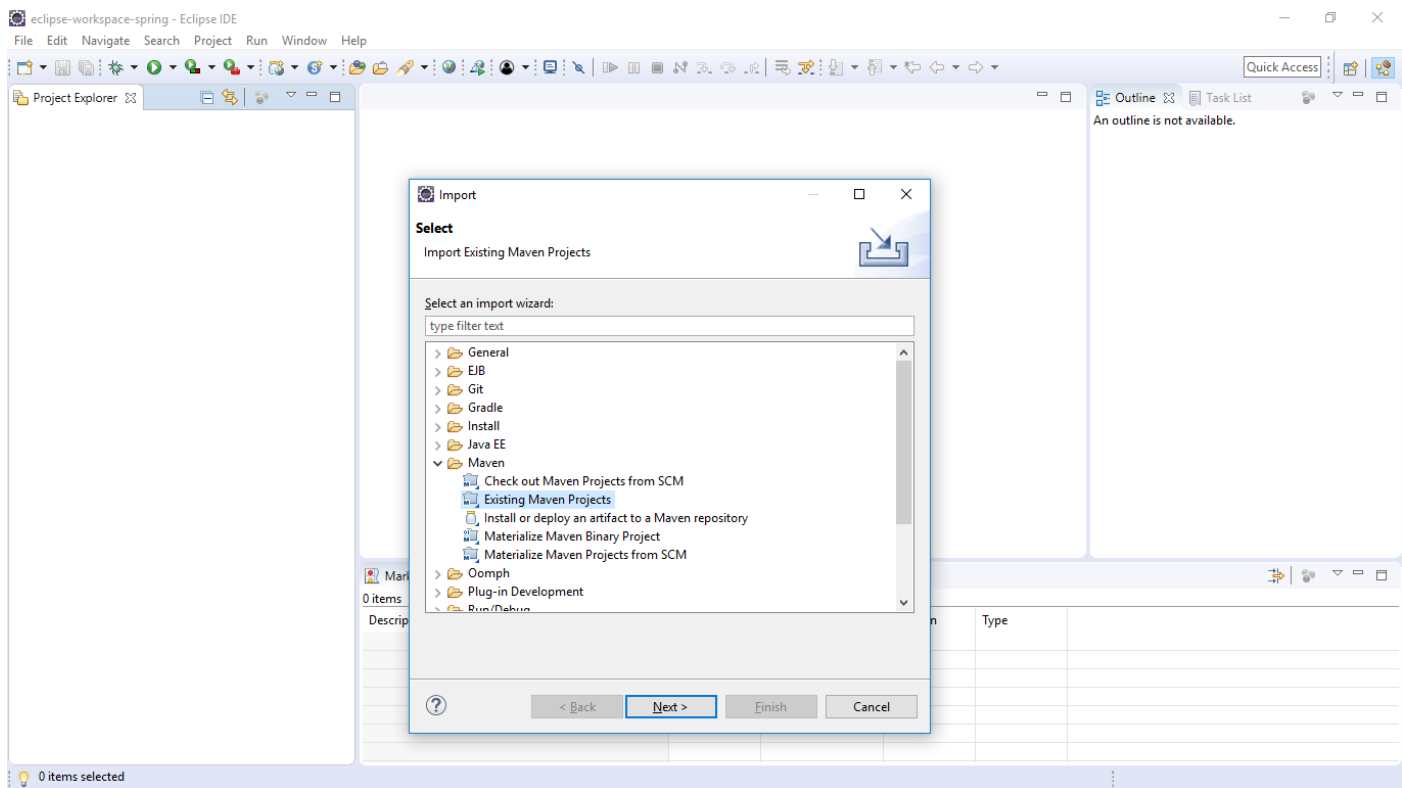
<https://github.com/glaucotodesco/CursoSpringBootComAngular/tree/Tutorial-ParteI>

1. Gere um projeto com as características abaixo:

Acesse: <https://start.spring.io/>

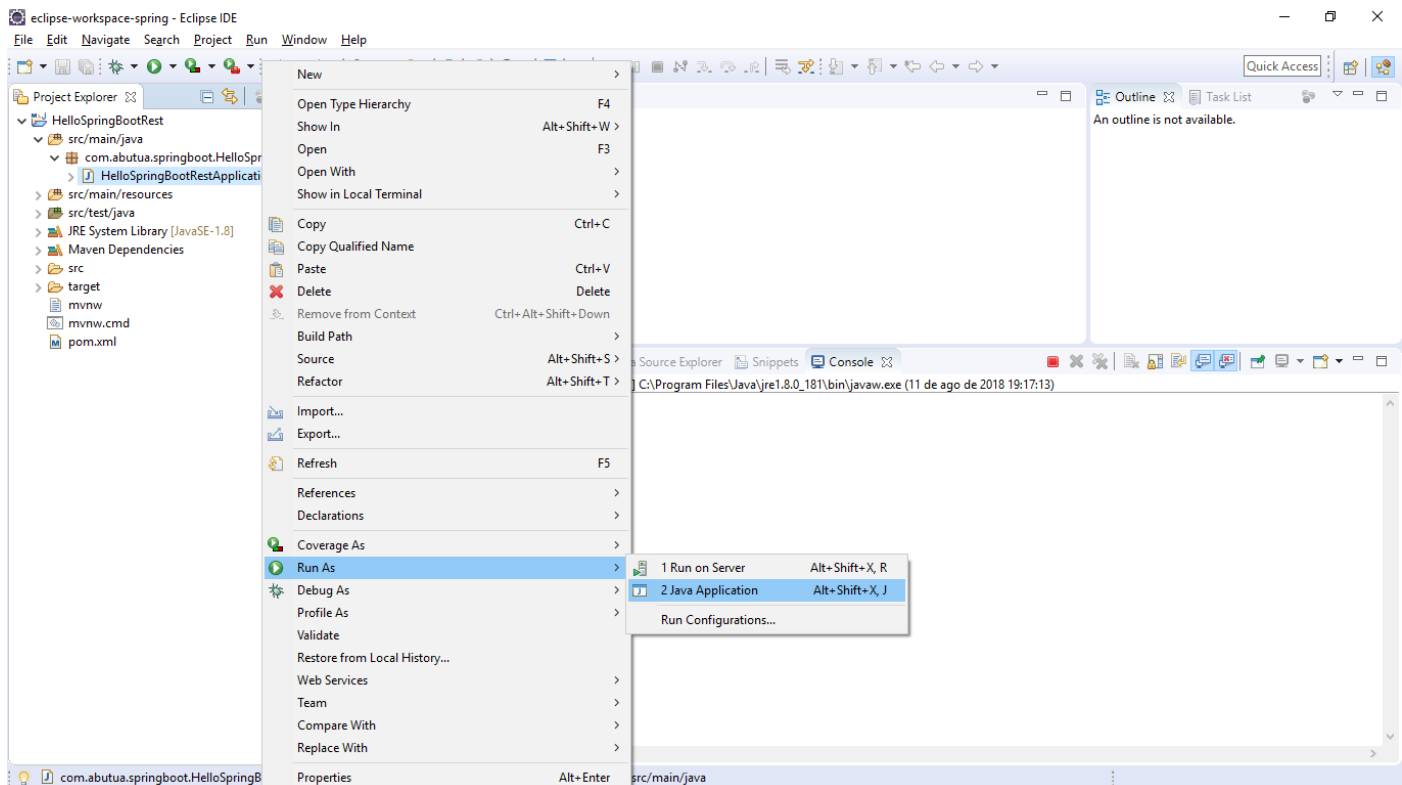
The screenshot shows the Spring Initializr web application. At the top, it says "SPRING INITIALIZR bootstrap your application now". Below this, there's a form to generate a project. The form has three main sections: "Generate a", "with", and "and Spring Boot". The "Generate a" section has a dropdown menu set to "Maven Project". The "with" section has a dropdown menu set to "Java". The "and Spring Boot" section has a dropdown menu set to "1.5.16 (SNAPSHOT)". Below these sections, there are two columns: "Project Metadata" and "Dependencies". The "Project Metadata" column has two input fields: "Group" with the value "com.abutua.springboot" and "Artifact" with the value "HelloSpringBootTest". The "Dependencies" column has a search bar with the text "Web, Security, JPA, Actuator, Devtools..." and a list of selected dependencies: "DevTools", "Web", "H2", and "JPA". At the bottom of the form, there is a green button labeled "Generate Project" with a keyboard shortcut "alt + ⌘". Below the button, there is a link that says "Don't know what to look for? Want more options? Switch to the full version." At the very bottom of the page, there is a footer that says "start.spring.io is powered by Spring Initializr and Pivotal Web Services".

2. Descompacte o arquivo e importe dentro de Eclipse.  
Menu: File->Import->Maven->Existing Maven Projects

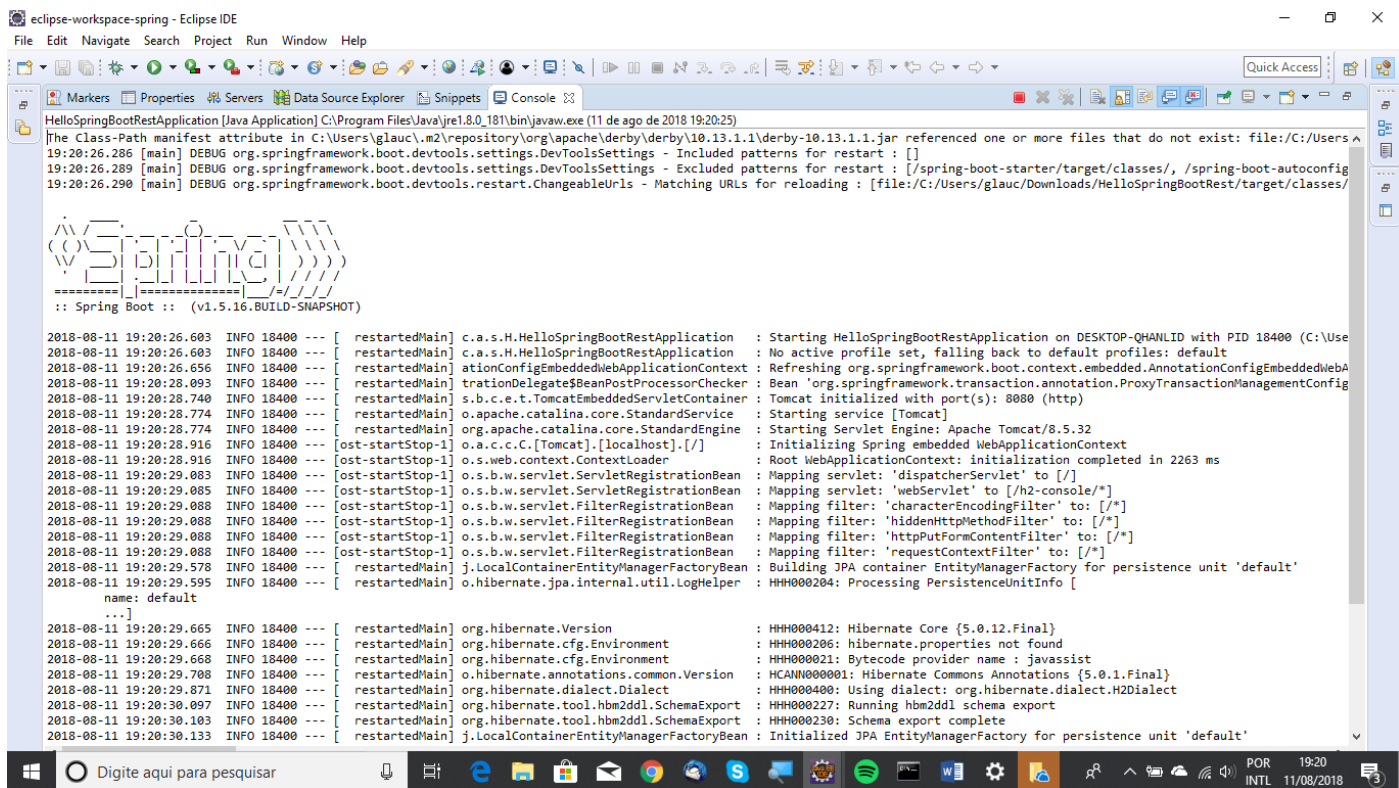


3. Espere o Eclipse fazer o download de todas as dependências do Maven. Isso pode demorar um pouco. Acompanhe o download clicando no canto inferior direito do Eclipse, na barra de progresso.

4. Execute a única classe do projeto para verificar se tudo está funcionando corretamente:



5. Se tudo estiver correto não teremos erros na console do Eclipse:



6. Se você abrir o navegador com o endereço “localhost:8080”, a seguinte tela será apresentada:



## Whitelabel Error Page

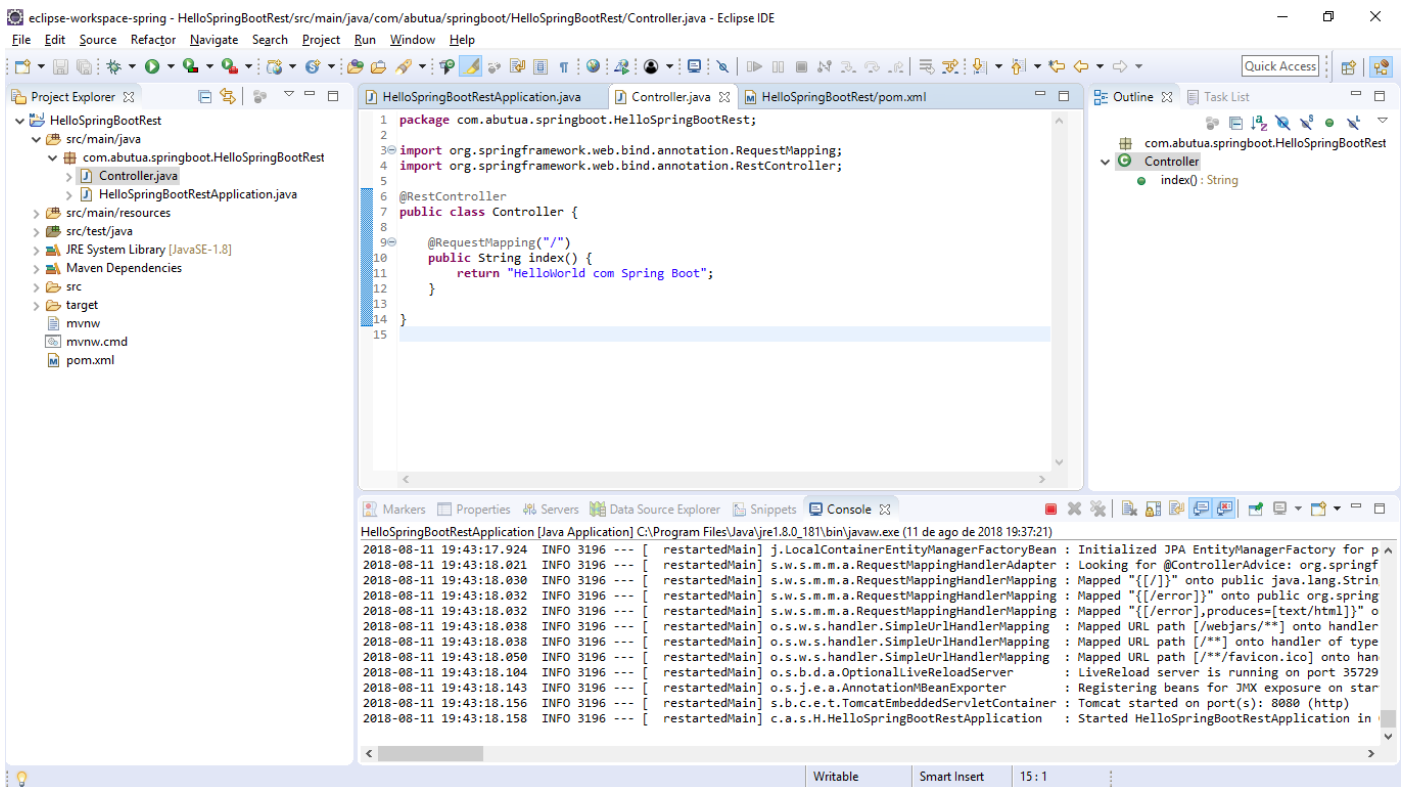
This application has no explicit mapping for /error, so you are seeing this as a fallback.

Sat Aug 11 19:40:40 BRT 2018

There was an unexpected error (type=Not Found, status=404).

No message available

7. Vamos criar um serviço Rest simple. Para isso construa uma nova classe e codifique a mesma dessa forma apresentada da figura abaixo. Essa classe deve ficar no mesmo pacote da classe já existente no projeto.



8. Após a aplicação ser reiniciada automaticamente, teremos a seguinte tela no navegador:



