

Lesson 01 Demo 03

Web MVC App in Spring Boot

Objective: To create a spring web MVC application using the spring boot and run the created web application

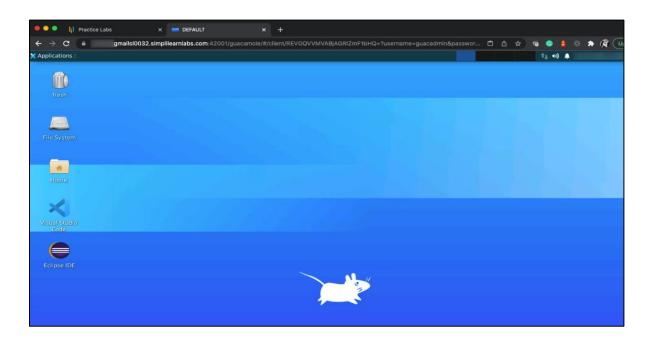
Tools required: Eclipse IDE

Steps to be followed:

- 1. Creating a new Spring Boot project
- 2. Creating a view template and running the application

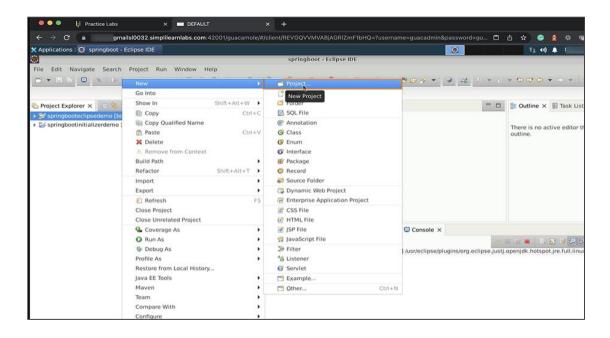
Step 1: Creating a new Spring Boot project

1.1 Open Eclipse IDE

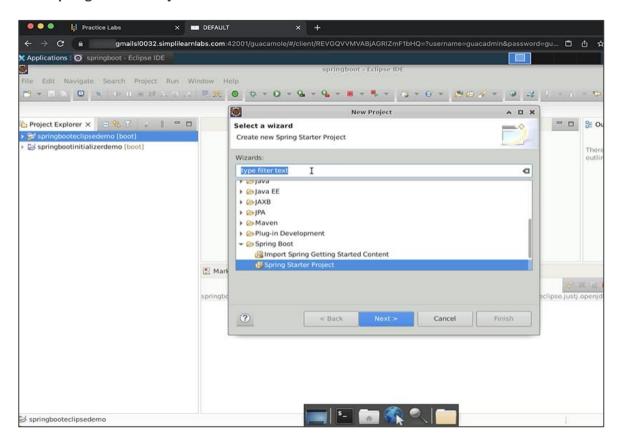




1.2 To create a new project, right-click on the screen > New > Project

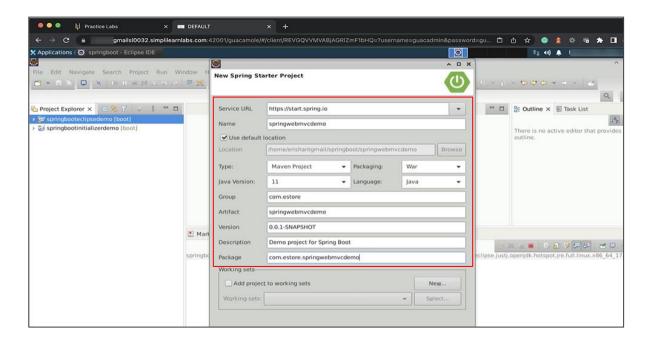


1.3 Select Spring Starter Project and click Next

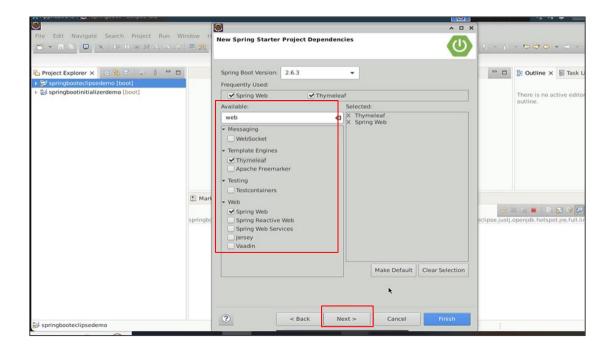




1.4 The project name must be **springwebmvcdemo**, the type will be **Maven Project**, and the packaging will be **War**. Rectify the package name to **com.estore.springwebmvcdemo** and select **Next**



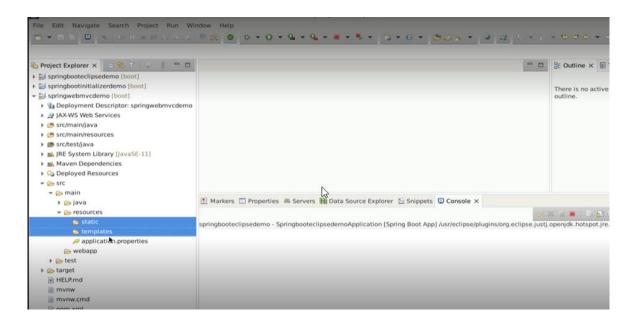
1.5 Choose the **Spring Web** for the web and **Thymeleaf** for the template and click **Next** and **Finish**



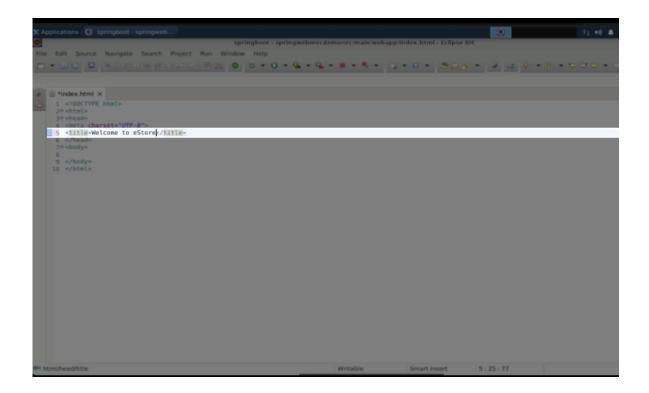


Step 2: Creating a view template and running the application

2.1 Create a static page as an HTML file as the first landing page

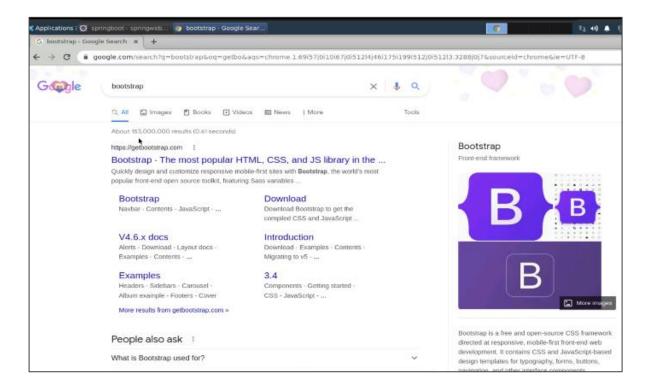


2.2 Name the html file as **index.html**, and add the title **Welcome to eStore** in the HTML file

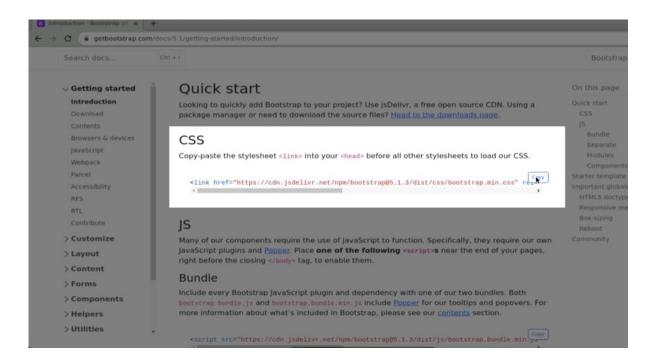




2.3 Add some **CSS parts** from the bootstrap and search for the **getbootstrap** framework on the browser

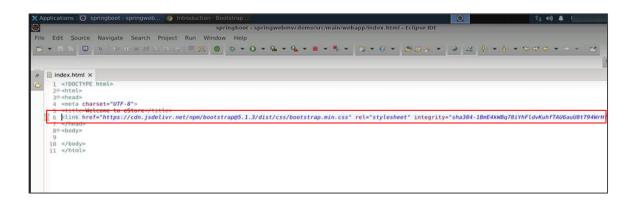


2.4 Copy the CSS from the browser

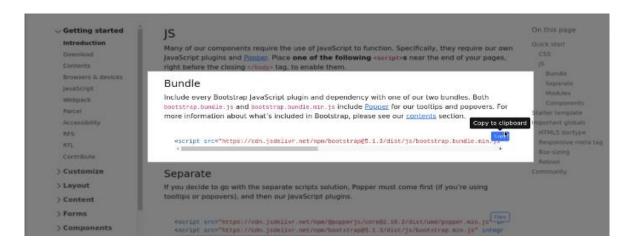




2.5 Add the CSS inside the head tag in the HTML file and paste the highlighted code



2.6 Also, copy the JS Bundle script from the website. Paste the script in the index.html



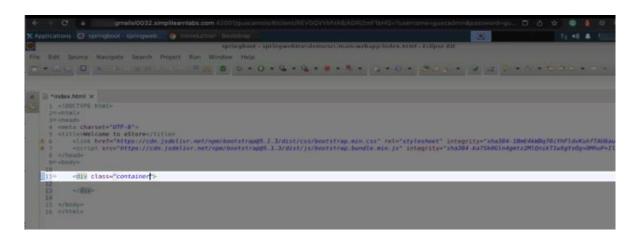




2.7 Create a div tag in the body

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2.8 Write a container class within the div tag

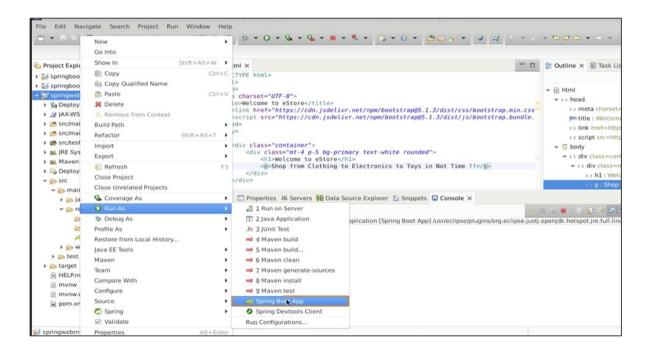


2.9 Create another div tag for Bootstrap with the class, background, and text color



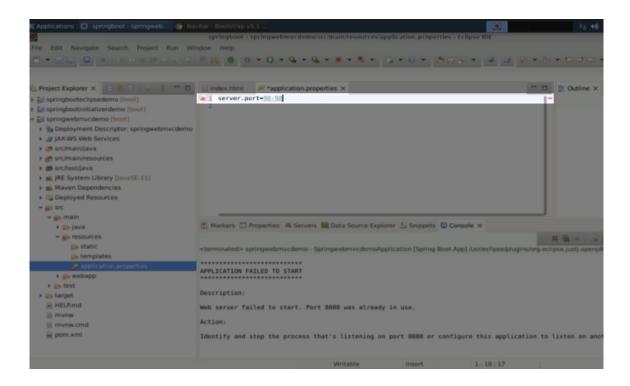
2.10 Add an h1 tag and add a paragraph tag

2.11 Run the project as a Spring Boot App

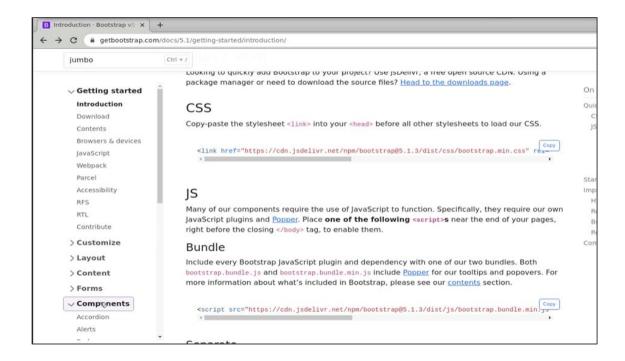




2.12 Configure the port number in the **application.properties** file, which will be 8080; change it to 9090

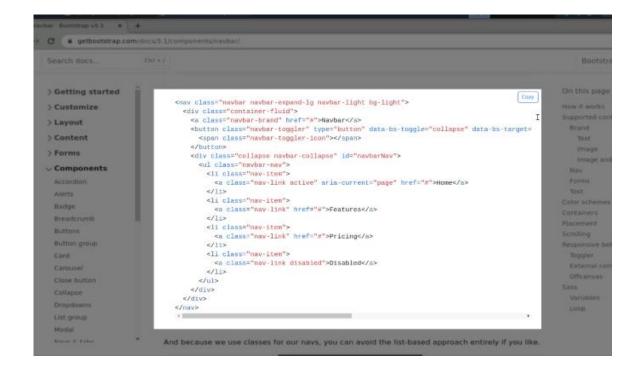


2.13 Choose Components from Bootstrap for the interactivity of the web page





2.14 Copy the **nav bar code** from the website



2.15 Paste it into the index file inside the container class only



2.16 **Delete** the highlighted button tag from the code

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2.17 Add **Register, Product, and Account** in the nav class for the eStore website. These are a few of the navigation links that you have created.

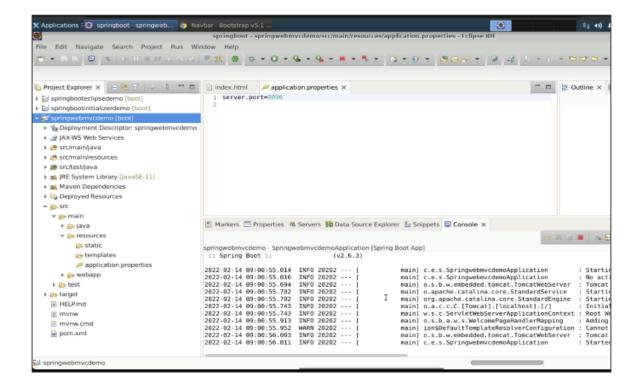


2.18 Delete the highlighted part and run the code

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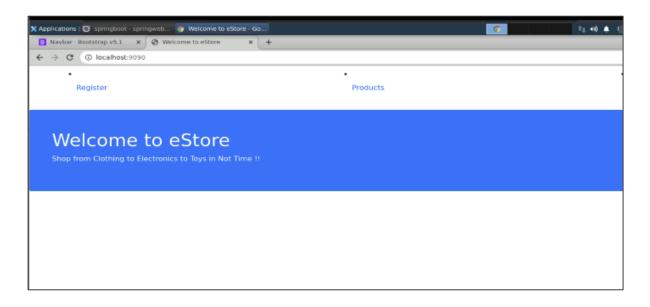
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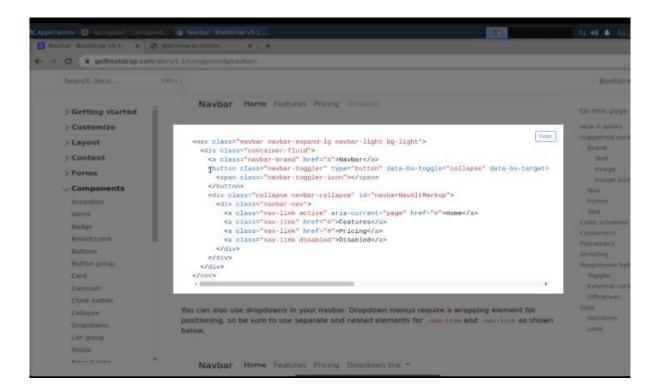




2.19 Search for localhost 9090 in your browser. The output is successful.



2.20 Copy another navigation bar structure from the website

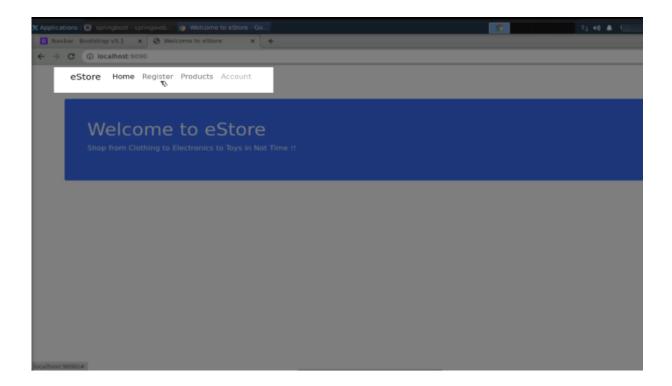




2.21 Replace the previous nav bar script with the new script in html file

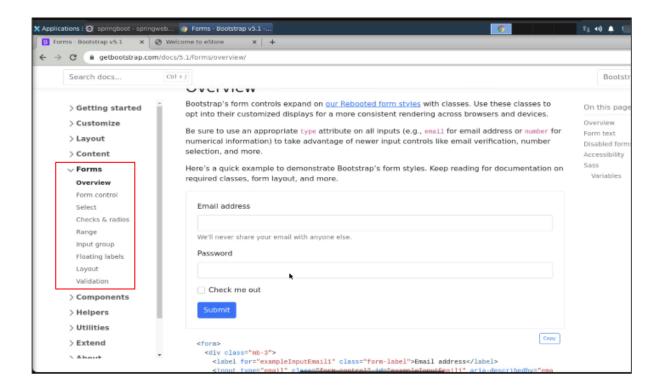
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<iiv class="navbar-nav">
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<a class="nav-link" href="#">Pageister</a>
<a class="nav-link" href="#">Products</a>
<a class="nav-link disabled">Account</a>
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2.22 Update the reference for the class and refresh the webpage

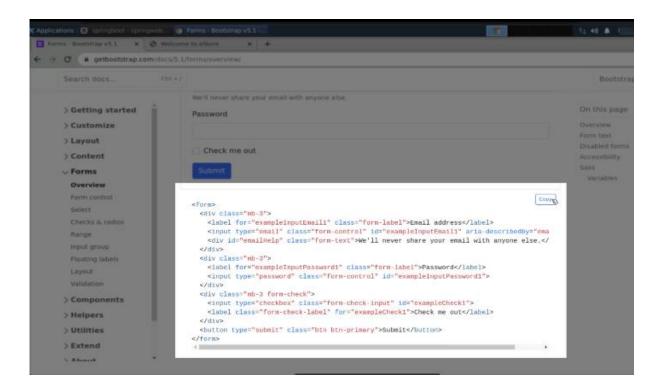




2.23 Go to the Forms section in Bootstrap and select the overview part



2.24 Copy the code





2.25 Paste it in the HTML page, inside the h3 tag under the login

2.26 Write the id and name for the email and add the label Enter Your Email

2.27 Next, add a label as the Password and add the id for password

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<fa>login Here

<form>

<div class="mb-3">
<label for="email" class="form-label">Enter Your Email</label>
<input type="email" class="form-control" id=email" name="empil" aria-describedby="emailHelp">

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2.28 Add a login button

2.29 Now, refresh the browser and observe the changes

