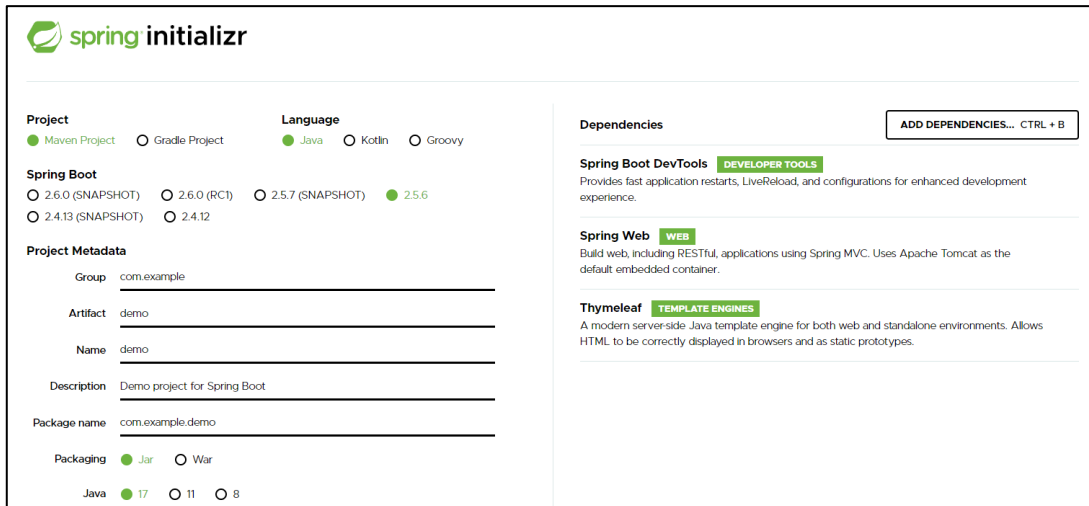


Objective

The objective of this workshop is to create a basic SpringBoot application. The application will be serving static files

Setup

- a. Create a new remote Github repository. If you do not have a Github account, create one in github.com
- b. Clone the repository to your local machine
- c. Generate a SpringBoot application with Spring Initializr (<https://start.spring.io>). Add the following list of dependencies
 - i. Spring Boot DevTools
 - ii. Spring Web
 - iii. Thymeleaf



The screenshot shows the Spring Initializr web interface. It includes sections for Project (Maven Project selected), Language (Java selected), Spring Boot version (2.5.6 selected), Project Metadata (Group: com.example, Artifact: demo, Name: demo, Description: Demo project for Spring Boot, Package name: com.example.demo), Packaging (Jar selected), and Java version (17 selected). A Dependencies section on the right lists Spring Boot DevTools, Spring Web, and Thymeleaf, each with a green tag indicating its category (DEVELOPER TOOLS, WEB, and TEMPLATE ENGINES respectively). A button 'ADD DEPENDENCIES... CTRL + B' is visible in the top right of the Dependencies section.

- d. Download the generated package and open it in your IDE.
- e. Create an account on Heroku (<https://www.heroku.com/>). Download and install Heroku's command line (<https://devcenter.heroku.com/articles/heroku-cli#download-and-install>)

Workshop

Task 1

Create a directory for your static HTML documents and resources. You can create 1 or 2 HTML document. Make sure that there is a HTML file called `index.html`; this is your 'landing page'.

Task 2

Add an error page `error.html`

Task 3

Make the port that the application listens on configuration. The port should be configurable via the command line option as well as environment variable

When the application starts, it should check for the port in the following order of preference

- i. Check if the option `--port <port number>` is set, if it is set, use the provided port number
- ii. Check if the environment variable `PORT` (case sensitive) is set, if it is set use the provided port number
- iii. If none of the above are set, default to port `3000`

Task 4

Login to Heroku with heroku command line and deploy the application.

Paste your deployment URL on the class' Slack channel.

Submission

When you have completed the workshop, commit and push your code to your Github repository.