

Objective

The purpose of this workshop is to create a random number generator using Spring's MVC framework

Setup

- a. Create and clone a new remote Git repository
- b. Generate a SpringBoot application with Spring Initializr (<https://start.spring.io/>). Add DevTools, Spring Web and Thymeleaf as dependencies.
- c. Download the generated package and open it in your IDE.

Workshop

Task 1

Write a HTML form that accepts a number between 1 and 30 (inclusive). Send the data to a backend controller with the `GET` method.

The following is an example of the form

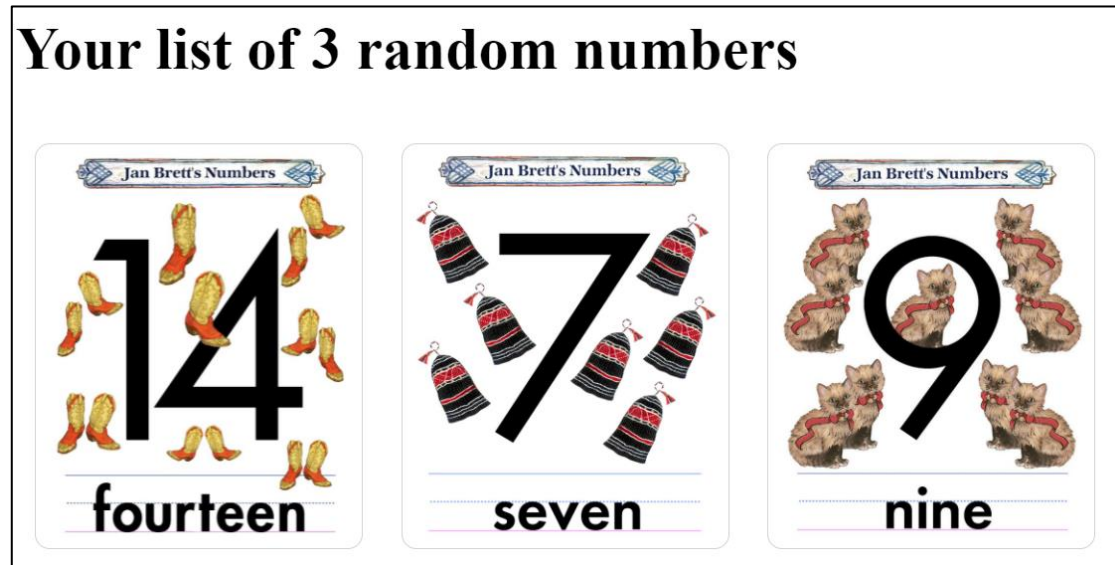
How many numbers do you wish to generate ?

Task 2

The backend controller will generate a list of numbers (n) according to the client's request.

The controller will randomly generate a list of non-duplicate n numbers. The numbers are then displayed with the provided number images.

The following is an example of the output



Task 3

Deploy the application to Heroku. Heroku places a limit on the number of deployments for its free account. Please undeploy previous application if you have reached the limit.

Submission

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