Spring Framework 5

Beginner to Guru

Spring Boot Jokes App

Overview

- Create a Spring Boot Application to display random Chuck Norris quotes

  - Inspired by a Chuck Norris plugin for Jenkins, I created one for Spring Boot Actuator

  - Open Source, available in Maven Central

- Application will be a Spring MVC Application with Thymeleaf

- Create service to obtain Chuck Norris quote, use controller to pass quote to Thymeleaf

- Very similar to previous Spring Boot Applications previously in the course

Getting Started

- Attempt to complete on your own from the directions in this lecture

    - These slides are available in the lesson resources for download as a PDF

- Following will be step by step directions

- Each step will be checked into a GitHub branch

    - Recommended to follow GitHub Workflow previously explained in Section 2

        - Fork to your GitHub and checkout to a working directory. Use default branch "main"

Directions

1. Use Spring Initializr to create a new Spring Boot Project (web or IntelliJ)

    1. Use Java 11(+), Maven (Gradle optionally)

    2. Select only Spring Web and Thymeleaf starter dependencies

    3. Add generated files to workspace (if needed)

2. Add dependency guru.springframework:chuck-norris-for-actuator:2.4.0

3. Create a service to return joke string from class -

    guru.springframework.norris.chuck.ChuckNorrisQuotes.getRandomQuote()

4. Create Jokes Controller with one method mapped to context root - ("/", "")

5. To the model being returned, add a property of "joke" with value of Chuck Norris quote from service

6. Return view name of "index"

7. Create Thymeleaf template for view "index"

8. Update view to display joke string from model

9. Start Spring Boot, Enjoy!

Recap

- Fork and checkout from GitHub

- Create Spring Boot Project, Complete Application using previous directions

- Attempt to complete after this video

- Next several videos will complete this step by step

SPRING FRAMEWORK GURU