COP2806C Module 10 Programming Assignment: Exposing a REST API

In this assignment we will create a REST Controller and endpoints for our document application.

The GitHub Classroom assignment repo contains the full Chapter 10 project content from our textbook. The application can be built and executed from the isf6 folder using **gradle :chapter10:run** or by executing the build task from IntelliJ's Gradle tool.

Your task is simply to build the application and demonstrate its features by providing screen snips showing access to the **documents** endpoint in a browser (localhost:8080) to search for all documents, followed by accessing the **documents/{id}** endpoint to access at least one specific document.

Extra credit opportunity: there is a POST endpoint provided in the DocumentController class which allows a user to add a document, but I have not yet been able to get it to work. A form must be submitted in the request which contains a document name and location (my attempts keep resulting in an unsupported media request error; likely an issue with the Content-Type header but I still have't discovered the required format which will make the application happy). I have been using CURL (https://curl.se/), Postman (https://www.postman.com) and a basic HTML document, all to no avail. If you are able to provide a solution for this issue I will award 10 extra credit points and post your name on the wall of fame in our Canvas course (A COP2806C Wall of Fame will be created specifically for this purpose). Here's a sample of a curl command which correctly hits the server but does not complete the POST request:

> **curl -X POST http://127.0.0.1:8080/documents**
> **-H Content-Type="application/json"**
> **-H Accept="application/json"**
> **-d name="SummerVacation.doc" -d location="/Docs/SummerVacation"**

Submit your source and screen snips to the repo.