package com.ecommerce;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication

public class SpringFilesApplication {

    public static *void* main(String[] *args*) {

        SpringApplication.run(SpringFilesApplication.class, *args*);

    }

}

package controllers;

import java.io.File;

import java.io.FileInputStream;

import java.io.FileOutputStream;

import java.io.IOException;

import org.springframework.core.io.ClassPathResource;

import org.springframework.core.io.InputStreamResource;

import org.springframework.core.io.Resource;

import org.springframework.http.HttpHeaders;

import org.springframework.http.HttpStatus;

import org.springframework.http.MediaType;

import org.springframework.http.ResponseEntity;

import org.springframework.stereotype.Controller;

import org.springframework.util.ResourceUtils;

import org.springframework.web.bind.annotation.PathVariable;

import org.springframework.web.bind.annotation.RequestBody;

import org.springframework.web.bind.annotation.RequestMapping;

import org.springframework.web.bind.annotation.RequestMethod;

import org.springframework.web.bind.annotation.RequestParam;

import org.springframework.web.bind.annotation.ResponseBody;

import org.springframework.web.multipart.MultipartFile;

@Controller

public class MainController {

        @RequestMapping(value = "/")

    public String index() {

        return "index.html";

    }

        @RequestMapping(value = "/upload", method = RequestMethod.POST, consumes = MediaType.MULTIPART\_FORM\_DATA\_VALUE)

        public String fileUpload(@RequestParam("file") MultipartFile *file*) {

                String result = "File was uploaded successfully";

                try {

                 File convertFile = new File("/var/tmp/"+*file*.getOriginalFilename());

              convertFile.createNewFile();

              FileOutputStream fout = new FileOutputStream(convertFile);

              fout.write(*file*.getBytes());

              fout.close();

                } catch (IOException iex) {

                        result = "Error " + iex.getMessage();

                } finally {

                        return result;

                }

        }

        @RequestMapping(value = "/download", method = RequestMethod.GET)

        public ResponseEntity<Object> downloadFile() throws IOException  {

                String fileName = "static/dump.txt";

        ClassLoader classLoader = new MainController().getClass().getClassLoader();

        File file = new File(classLoader.getResource(fileName).getFile());

           InputStreamResource resource = new InputStreamResource(new FileInputStream(file));

           HttpHeaders headers = new HttpHeaders();

           headers.add("Content-Disposition", String.format("attachment; filename=\"%s\"", file.getName()));

           headers.add("Cache-Control", "no-cache, no-store, must-revalidate");

           headers.add("Pragma", "no-cache");

           headers.add("Expires", "0");

           ResponseEntity<Object>

           responseEntity = ResponseEntity.ok().headers(headers).contentLength(file.length()).contentType(

              MediaType.parseMediaType("application/txt")).body(resource);

           return responseEntity;

        }

}

<html>

<head><title>File Upload</title></head>

<body>

        <form  method="post" enctype="multipart/form-data" action="/upload">

         Upload file&nbsp;

           <input type="file" name="fileToUpload" id="fileToUpload"><br><br>

    <input type="submit" value="Upload " name="submit">

        </form>

</body>

</html>

package com.ecommerce;

import org.junit.jupiter.api.Test;

import org.springframework.boot.test.context.SpringBootTest;

@SpringBootTest

class SpringFilesApplicationTests {

    @Test

*void* contextLoads() {

    }

}

<?xml version="1.0" encoding="UTF-8"?>

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd">

    <modelVersion>4.0.0</modelVersion>

    <parent>

        <groupId>org.springframework.boot</groupId>

        <artifactId>spring-boot-starter-parent</artifactId>

        <version>2.6.3</version>

        <relativePath/> <!-- lookup parent from repository -->

    </parent>

    <groupId>com.ecommerce</groupId>

    <artifactId>SpringFiles</artifactId>

    <version>0.0.1-SNAPSHOT</version>

    <name>SpringFiles</name>

    <description>Demo project for Spring Boot</description>

    <properties>

        <java.version>11</java.version>

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    <dependencies>

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            <artifactId>spring-boot-starter-web</artifactId>

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            <groupId>org.springframework.boot</groupId>

            <artifactId>spring-boot-starter-test</artifactId>

            <scope>test</scope>

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                <artifactId>spring-boot-maven-plugin</artifactId>

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        </plugins>

    </build>

</project>