package com.larchsoft.sgeiSoftwareClient.testing;

import java.io.File;

import java.nio.file.Files;

import java.nio.file.Path;

import java.nio.file.Paths;

import java.nio.file.StandardCopyOption;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.core.io.ClassPathResource;

import org.springframework.stereotype.Controller;

import org.springframework.ui.Model;

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

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

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

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

import org.springframework.web.multipart.MultipartFile;

import org.springframework.web.servlet.mvc.support.RedirectAttributes;

import jakarta.servlet.http.HttpSession;

@Controller

@RequestMapping("/upload")

public class UploadImageController {

@Autowired

private UploadImageRepo uploadImageRepo;

@GetMapping("/image")

public String uploadImagePage(Model model) {

model.addAttribute("list", uploadImageRepo.findAll());

return"/testing/image";

}

@PostMapping("/image")

public String uploadImage(@RequestParam MultipartFile img, HttpSession session, RedirectAttributes ra) {

ImageEntity im=new ImageEntity();

im.setImageName(img.getOriginalFilename());

ImageEntity uplodImg = uploadImageRepo.save(im);

if(uplodImg !=null) {

try {

File saveFile = new ClassPathResource("static/img").getFile();

Path path = Paths.get(saveFile.getAbsolutePath()+File.separator+img.getOriginalFilename());

System.out.println(path);

Files.copy(img.getInputStream(), path, StandardCopyOption.REPLACE\_EXISTING);

}catch(Exception e) {

e.printStackTrace();

}

}

ra.addFlashAttribute("message", "Image Uploded Successfully!");

return"redirect:/upload/image";

}

}

//////////////////////////////////////////////////////////////////////////////////////////////////////////

<!DOCTYPE html>

<html lang="en" xmlns:th="http://www.thymeleaf.org" xmlns:sec="http://www.thymeleaf.org/extras/spring-security">

<head>

<meta charset="ISO-8859-1">

<title>Insert title here</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-T3c6CoIi6uLrA9TneNEoa7RxnatzjcDSCmG1MXxSR1GAsXEV/Dwwykc2MPK8M2HN" crossorigin="anonymous">

</head>

<body>

<h1>Upload Image Page:</h1>

<div class="container">

<!--/\*<th:block th:if="${session.msg}">

<p class="text-center fs-4 text-success" th:text="${session.msg}"></p>

<th:block th:remove="${session.removeAttribute('msg')}"></th:block>

</th:block>\*/-->

<section class="content">

<div th:if="${message != null}" class="m-3">

<h4 class="text-danger">

<strong>[[${message}]]</strong>

</h4>

</div>

<div class="row">

<form th:action="@{/upload/image}" enctype="multipart/form-data" method="post">

<div class="text-center">

<input type="file" name="img" class="form-controller">

</div>

<div class="text-center">

<button class="btn btn-primary">Upload</button>

</div>

</form>

</div>

</div>

<hr>

<div class="container">

<div class="row">

<div class="col-md-3" th:each="im:${list}">

<div class="card-body">

<img alt="" th:src="@{'/img/'+ ${im.imageName}}"

width="100%" height="100%" th:if="${im.imageName != null}">

</div>

</div>

</div>

</div>

</div>

</body>

</html>

/////////////////////////////////////SAVE IMAGE ON DESKTOP//////////////////////////////////////

@PostMapping("/image")

public String uploadImage(@RequestParam MultipartFile img, HttpSession session, RedirectAttributes ra) {

ImageEntity im = new ImageEntity();

im.setImageName(img.getOriginalFilename());

ImageEntity uploadedImg = uploadImageRepo.save(im);

if (uploadedImg != null) {

try {

// Specify the destination directory

String destinationDirectory = "C:\\Users\\Larch Soft\\Desktop\\photo";

// Create the destination directory if it doesn't exist

File saveFile = new File(destinationDirectory);

if (!saveFile.exists()) {

saveFile.mkdirs();

}

// Save the file to the destination directory

Path path = Paths.get(destinationDirectory + File.separator + img.getOriginalFilename());

System.out.println(path);

Files.copy(img.getInputStream(), path, StandardCopyOption.REPLACE\_EXISTING);

} catch (Exception e) {

e.printStackTrace();

}

}

ra.addFlashAttribute("message", "Image Uploaded Successfully!");

return "redirect:/upload/image";

}