**File Handling**

**index.html:**

<**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**>

**MainController:**

**package** com.ecommerce.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;

}

}