*package* com.ape.apeadmin.controller.download;  
  
*import* org.springframework.core.io.FileSystemResource;  
*import* org.springframework.core.io.Resource;  
*import* org.springframework.http.\*;  
*import* org.springframework.web.bind.annotation.\*;  
  
*import* java.io.File;  
*import* java.net.URLEncoder;  
*import* java.nio.charset.StandardCharsets;  
  
@RestController  
@RequestMapping("/api/download")  
*public class* FileDownloadController {  
  
 @GetMapping("/doc")  
 *public* ResponseEntity<Resource> downloadDoc() {  
 System.out.*println*("进来了 downloadDoc 方法");  
// System.out.println("收到的 token：" + StpUtil.getTokenValue());  
 *try* {  
 // 文件路径（根据你的实际路径替换）  
 String filePath = "E:\\project\\java\\46-SpringBoot+Vue在线学习教育平台\\edu-hub-backend\\file\\test.docx";  
 File file = *new File*(filePath);  
  
 *if* (!file.*exists*()) {  
 System.out.*println*("文件不存在");  
 *return* ResponseEntity.*status*(HttpStatus.NOT\_FOUND).*body*(*null*);  
 }  
  
 System.out.*println*("文件大小"+ file.*length*());  
 System.out.*println*("文件名" + file.*getName*());  
 System.out.*println*("文件路径" + file.*getPath*());  
 System.out.*println*("文件父路径" + file.*getParent*());  
  
  
 Resource resource = *new FileSystemResource*(file);  
 String fileName = URLEncoder.*encode*(file.*getName*(), StandardCharsets.UTF\_8.*toString*());  
  
 HttpHeaders headers = *new HttpHeaders*();  
 headers.*setContentDisposition*(ContentDisposition.*builder*("attachment")  
 .*filename*(fileName)  
 .*build*());  
 headers.*setContentType*(MediaType.APPLICATION\_OCTET\_STREAM);  
  
 *return* ResponseEntity.*ok*()  
 .*headers*(headers)  
 .*body*(resource);  
 } *catch* (Exception e) {  
 *return* ResponseEntity.*status*(HttpStatus.INTERNAL\_SERVER\_ERROR).*body*(*null*);  
 }  
 }  
}