

1.启动java后端和南大VPN

启动java后端流程见该目录下的“服务器后端启动办法.md”。

不启动南大VPN，无法获得网页内容。

2.服务器地址

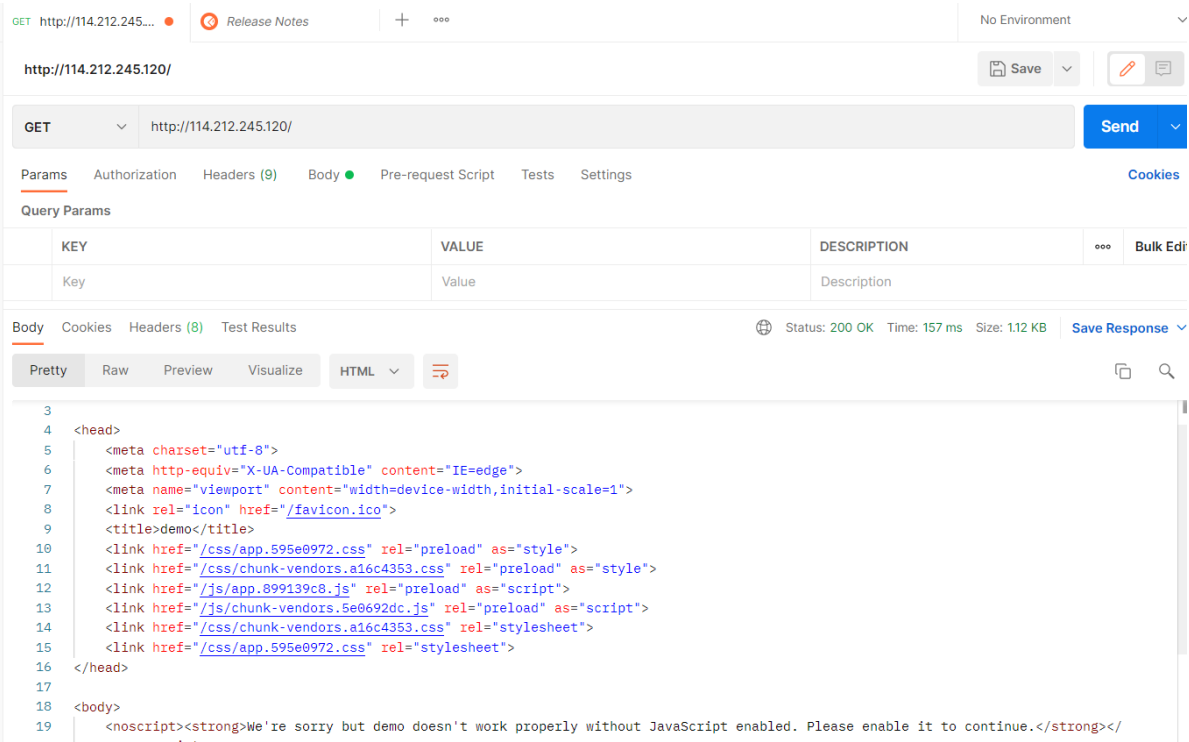
114.212.245.120

3.postman测试接口

根据目录下的“接口.xlsx”EXCEL文件，测试接口。

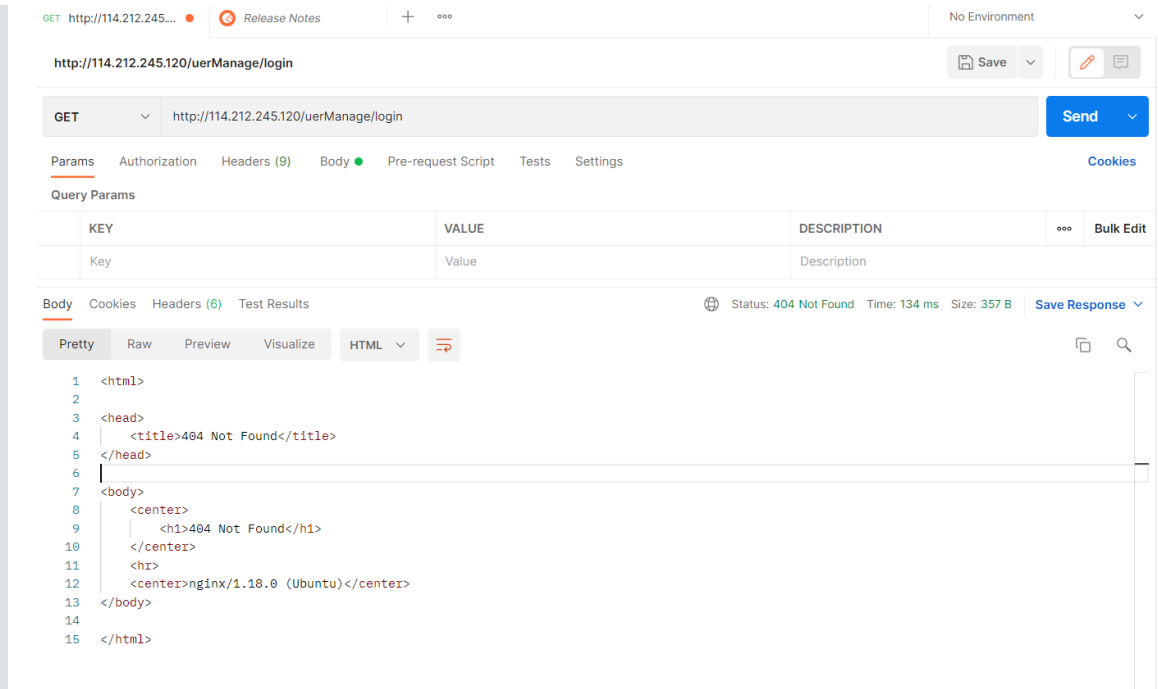
编号	路由	作用	结果
1	http://114.212.245.120/	获得首页内容	状态码200
2	http://114.212.245.120/userManage/login	用户登录	404 路由错误
3	http://114.212.245.120/userManage/login?username=1&password=1	登录接口，加上参数	404 路由错误
4	http://114.212.245.120:7788/userManage/login	用户登录，这个路由 加上了端口号	200（ 服务器收到了！ ） + 40001（服务器返回的码）
5	http://114.212.245.120:7788/userManage/login?username=0&password=0	用户登录，加端口、加参数	200 + 40001
6	http://114.212.245.120:7788/userManage/register	用户注册	500 服务器异常，未崩溃
7	http://114.212.245.120:7788/api/config/add	模型配置模块的添加模型	200 + 40000
8	http://114.212.245.120:7788/api/config/get/all	获取现有的所有机器学习配置模型	200 + 40000
9	http://114.212.245.120:7788/api/config/get/one/config?configId=0	根据id获取某个机器学习模型	200 + 40000
10	http://114.212.245.120:7788/api/file/upload?userId=0&fileName=hello.csv	上传文件	200 + 服务器报了一个error，但没崩溃
11	http://114.212.245.120:7788/api/file/get/all?userId=1	获取用户上传的文件	200
12	http://114.212.245.120:7788/api/file/analysis/fields1?filelds=hello	进行文件数据分布分析	200
13	http://114.212.245.120:7788/api/picture/get/all/proj?userId=1	获取该用户所有图片列表	200
14	http://114.212.245.120:7788/api/picture/update/picinfo?picId=0&picCategory=0&picTag=animal	更新图片的类别信息和标签信息	200
15	http://114.212.245.120:7788/api/model/get/all?userId=1	获得用户所有机器学习模型	200
16	http://114.212.245.120:7788/api/model/train?modelId=0	使用模型进行训练	200

1 首页 200



2、3 登录（未加端口号） 404 NOT FOUND

2 <http://114.212.245.120/userManage/login>:



3 <http://114.212.245.120/userManage/login?username=1&password=1>:

GET http://114.212.245.120/uerManage/login?username=1&password=1

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies

Key	Value	Description
username	1	
password	1	

Body Cookies Headers (6) Test Results Status: 404 Not Found Time: 140 ms Size: 357 B Save Response

Pretty Raw Preview Visualize HTML

```
1 <html>
2
3 <head>
4   <title>404 Not Found</title>
5 </head>
6
7 <body>
8   <center>
9     <h1>404 Not Found</h1>
10  </center>
11  <hr>
12  <center>nginx/1.18.0 (Ubuntu)</center>
13 </body>
14
15 </html>
```

4、5 登录（有端口号） 200

第一次尝试：

GET http://114.212.245.120:7788/uerManage/login

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies

Query Params

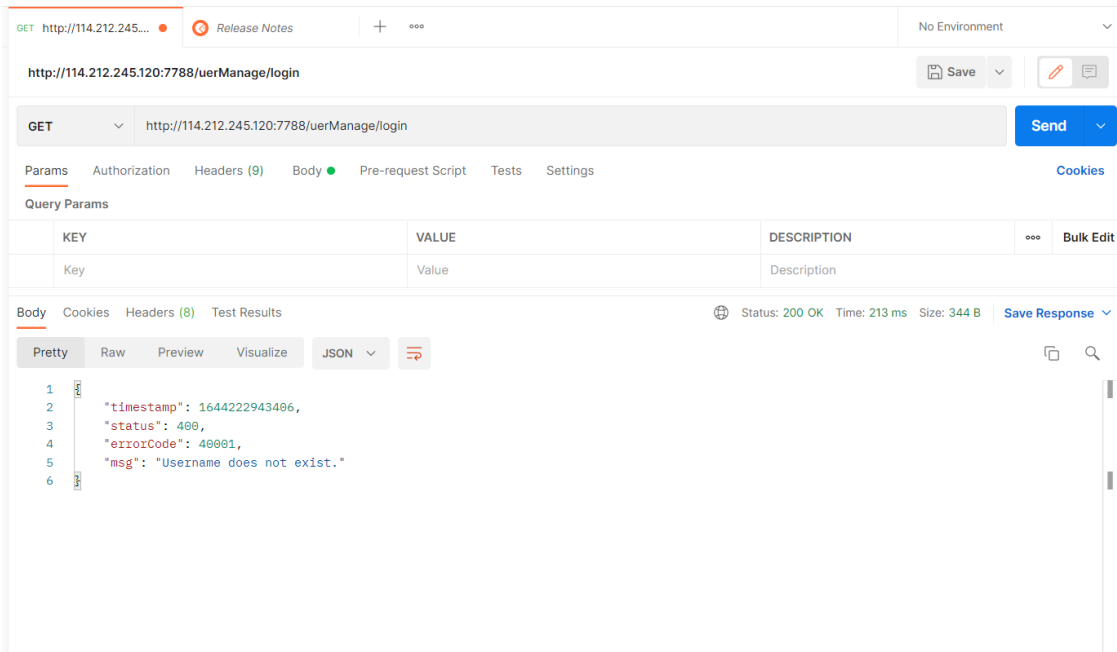
KEY	VALUE	DESCRIPTION	Bulk Edit
Key	Value	Description	

Body Cookies Headers (8) Test Results Status: 200 OK Time: 1207 ms Size: 344 B Save Response

Pretty Raw Preview Visualize JSON

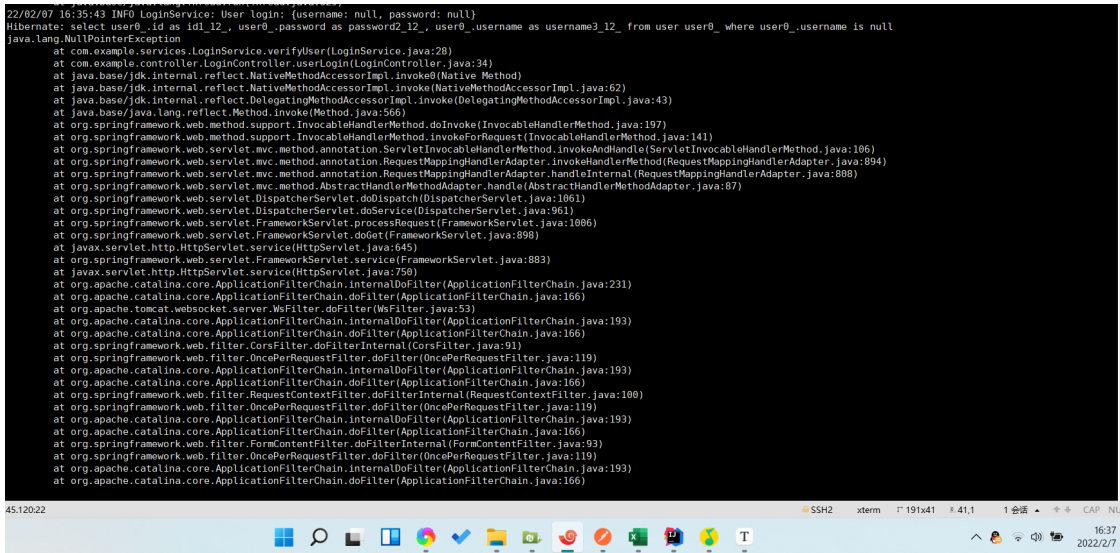
```
1 {
2   "timestamp": 1644219424159,
3   "status": 400,
4   "errorCode": 40001,
5   "msg": "Username does not exist."
6 }
```

第二次尝试：

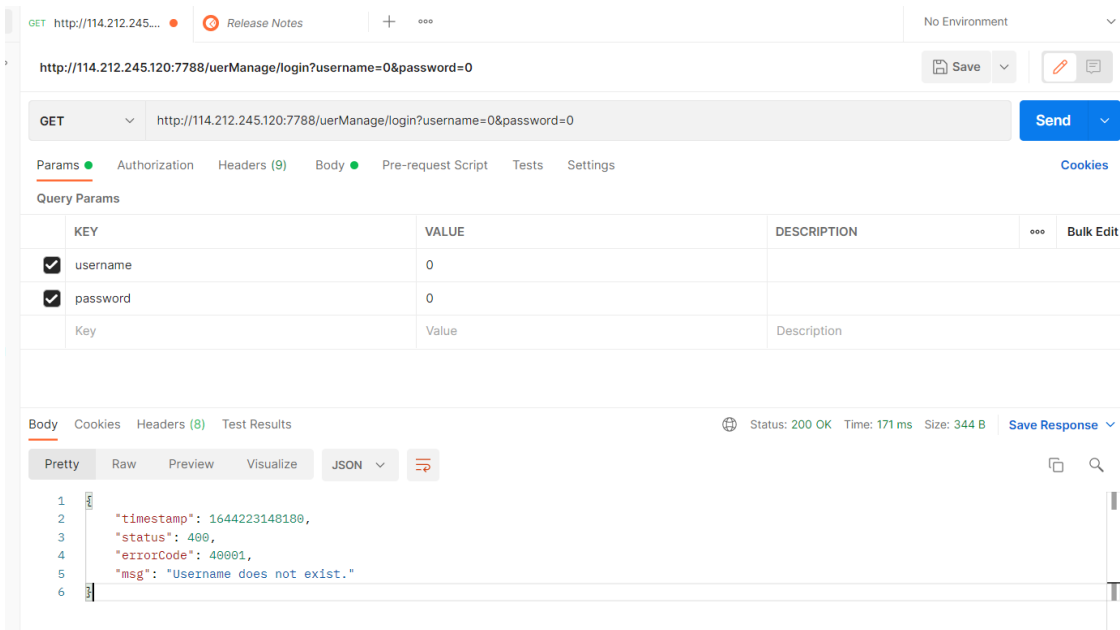


服务器运行截图：

因为没有参数，报了个异常。



给路由里加上参数：



服务器：异常，没有崩溃。

```
22/02/07 16:39:08 INFO LoginService: User login: {username: 0, password: 0}
Hibernate: select user0_id as id1_12_, user0_password as password2_12_, user0_username as username3_12_ from user user0_ where user0_username=?
java.lang.NullPointerException
    at com.example.services.LoginService.verifyUser(LoginService.java:28)
    at com.example.controller.LoginController.userLogin(LoginController.java:34)
    at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
    at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
    at java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
    at java.base/java.lang.reflect.Method.invoke(Method.java:566)
    at org.springframework.web.method.support.InvocableHandlerMethod.doInvoke(InvocableHandlerMethod.java:197)
    at org.springframework.web.method.support.InvocableHandlerMethod.invokeForRequest(InvocableHandlerMethod.java:141)
    at org.springframework.web.servlet.mvc.method.annotation.ServletInvocableHandlerMethod.invokeAndHandle(ServletInvocableHandlerMethod.java:106)
    at org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.invokeHandlerMethod(RequestMappingHandlerAdapter.java:894)
    at org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.handleInternal(RequestMappingHandlerAdapter.java:888)
    at org.springframework.web.servlet.mvc.method.AbstractHandlerMethodAdapter.handle(AbstractHandlerMethodAdapter.java:87)
    at org.springframework.web.servlet.DispatcherServlet.doDispatch(DispatcherServlet.java:1061)
    at org.springframework.web.servlet.DispatcherServlet.doService(DispatcherServlet.java:961)
    at org.springframework.web.servlet.FrameworkServlet.processRequest(FrameworkServlet.java:1006)
    at org.springframework.web.servlet.FrameworkServlet.doGet(FrameworkServlet.java:898)
    at javax.servlet.http.HttpServlet.service(HttpServlet.java:645)
    at org.springframework.web.servlet.FrameworkServlet.service(FrameworkServlet.java:883)
    at javax.servlet.http.HttpServlet.service(HttpServlet.java:750)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:231)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
    at org.apache.tomcat.websocket.server.WsFilter.doFilter(WsFilter.java:53)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
    at org.springframework.web.filter.CorsFilter.doFilterInternal(CorsFilter.java:91)
    at org.springframework.web.filter.OncePerRequestFilter.doFilter(OncePerRequestFilter.java:119)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
    at org.springframework.web.filter.RequestContextFilter.doFilterInternal(RequestContextFilter.java:100)
    at org.springframework.web.filter.OncePerRequestFilter.doFilter(OncePerRequestFilter.java:119)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
    at org.springframework.web.filter.FormContentFilter.doFilterInternal(FormContentFilter.java:93)
```

对应代码：

```
*/
@CrossOrigin(origins = "http://localhost:8080/")
@GetMapping(value = "/login")
public Response userLogin(@RequestParam(value="username", required = false) String username,
                           @RequestParam(value = "password", required = false) String password) {
    try {
        val rsl :LoginPojo = loginService.verifyUser(username, password);
        return new NormalRes(rsl);
    } catch (NullPointerException e) {
        e.printStackTrace();
        return new ErrorRes( errorCode: 40001, msg: "Username does not exist.");
    } catch (Exception e) {
        e.printStackTrace();
        return new ErrorRes();
    }
}
```

6 注册 服务器异常 500

路由：<http://114.212.245.120:7788/uerManage/register>

500：服务器异常

http://114.212.245.120:7788/uerManage/register

Save

POST

http://114.212.245.120:7788/uerManage/register

Send

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

Settings

Cookies

Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
Key	Value	Description		

Body

Cookies

Headers (7)

Test Results

Status: 500 Internal Server Error

Time: 185 ms

Size: 375 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

1

2

3

4

5

6

7

"timestamp": "2022-02-07T08:43:43.370+00:00",

"status": 500,

"error": "Internal Server Error",

"message": "",

"path": "/uerManage/register"

服务器:

```
Hibernate: select user_id as id12, user_password as password12, user_username as username12, from user user where user_username is null
22/02/07 16:43:43 ERROR [dispatcherServlet]: Servlet.service() for servlet [dispatcherServlet] in context with path [] threw exception [Request processing failed; nested exception is org.springframework.jdbc.datasource.DataSourceException: ids for this class must be manually assigned before calling save(): com.example.entity.User; nested exception is org.hibernate.id.IdentifierGenerationException: ids for this class must be manually assigned before calling save(): com.example.entity.User] with root cause
org.hibernate.id.IdentifierGenerationException: ids for this class must be manually assigned before calling save(): com.example.entity.User
    at org.hibernate.id.Assigned.generate(Assigned.java:33)
    at org.hibernate.event.internal.AbstractSaveEventListener.saveWithGeneratedId(AbstractSaveEventListener.java:115)
    at org.hibernate.event.internal.DefaultPersistEventListener.entityIsTransient(DefaultPersistEventListener.java:185)
    at org.hibernate.event.internal.DefaultPersistEventListener.onPersist(DefaultPersistEventListener.java:128)
    at org.hibernate.event.internal.DefaultPersistEventListener.onPersist(DefaultPersistEventListener.java:55)
    at org.hibernate.event.service.internal.EventListenerGroupImpl.fireEventOnEachListener(EventListenerGroupImpl.java:182)
    at org.hibernate.internal.SessionImpl.firePersist(SessionImpl.java:728)
    at org.hibernate.internal.SessionImpl.persist(SessionImpl.java:706)
    at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(Native Method)
    at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
    at java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
    at java.base/java.lang.reflect.Method.invoke(Method.java:566)
    at org.springframework.orm.jpa.ExtendedEntityManagerCreator$ExtendedEntityManagerInvocationHandler.invoke(ExtendedEntityManagerCreator.java:362)
    at com.sun.proxy.$Proxy91.persist(Unknown Source)
    at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(Native Method)
    at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
    at java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
    at java.base/java.lang.reflect.Method.invoke(Method.java:566)
    at org.springframework.orm.jpa.SharedEntityManagerCreator$SharedEntityManagerInvocationHandler.invoke(SharedEntityManagerCreator.java:311)
    at com.sun.proxy.$Proxy91.persist(Unknown Source)
    at org.springframework.data.jpa.repository.support.SimpleJpaRepository.save(SimpleJpaRepository.java:557)
    at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(Native Method)
```

对应代码:

很显然, 缺少了try-catch捕获NullPointerException等异常, 所以出错了。

```
@PostMapping(value = "/register")
public Response register(@RequestBody User user){    //注册, 先判断该用户名是否已经存在
    boolean res=loginService.addUser(user);
    if(res) return new NormalRes( data: "add success");
    else return new ErrorRes( errorCode: 40002, msg: "Uses already exists");
}
```

7 添加模型 Config模块

<http://114.212.245.120:7788/api/config/add>

POSThttp://114.212.245.120:7788/api/config/add

Save

POST

http://114.212.245.120:7788/api/config/add

Send

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

Settings

Cookies

Query Params

	KEY	VALUE	DESCRIPTION		Bulk Edit
	Key	Value	Description		

Body

Cookies

Headers (8)

Test Results

Status: 200 OKTime: 169 msSize: 322 BSave Response

Pretty

Raw

Preview

Visualize

JSON

1

2

3

4

5

6

"timestamp": 1644223981662,

"status": 400,

"errorCode": 40000,

"msg": null

服务器:

```
at java.base/java.lang.Integer.parseInt(Integer.java:614)
java.lang.NumberFormatException: null
    at java.base/java.lang.Integer.parseInt(Integer.java:770)
    at com.example.services.ConfigService.addConfig(ConfigService.java:55)
    at com.example.controller.ConfigController.addConfig(ConfigController.java:34)
    at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
    at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
    at java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
    at java.base/java.lang.reflect.Method.invoke(Method.java:566)
    at org.springframework.web.method.support.InvocableHandlerMethod.doInvoke(InvocableHandlerMethod.java:197)
    at org.springframework.web.method.support.InvocableHandlerMethod.invokeForRequest(InvocableHandlerMethod.java:141)
    at org.springframework.web.servlet.mvc.method.annotation.ServletInvocableHandlerMethod.invokeAndHandle(ServletInvocableHandlerMethod.java:106)
    at org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.invokeHandlerMethod(RequestMappingHandlerAdapter.java:894)
    at org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.handleInternal(RequestMappingHandlerAdapter.java:808)
    at org.springframework.web.servlet.mvc.method.AbstractHandlerMethodAdapter.handle(AbstractHandlerMethodAdapter.java:87)
    at org.springframework.web.servlet.DispatcherServlet.doDispatch(DispatcherServlet.java:1061)
    at org.springframework.web.servlet.DispatcherServlet.doService(DispatcherServlet.java:961)
    at org.springframework.web.servlet.FrameworkServlet.processRequest(FrameworkServlet.java:1006)
    at org.springframework.web.servlet.FrameworkServlet.doPost(FrameworkServlet.java:909)
    at javax.servlet.http.HttpServlet.service(HttpServlet.java:665)
    at org.springframework.web.servlet.FrameworkServlet.service(FrameworkServlet.java:883)
    at javax.servlet.http.HttpServlet.service(HttpServlet.java:750)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:231)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
    at org.apache.tomcat.websocket.server.WsFilter.doFilter(WsFilter.java:53)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
    at org.springframework.web.filter.CorsFilter.doFilterInternal(CorsFilter.java:91)
    at org.springframework.web.filter.OncePerRequestFilter.doFilter(OncePerRequestFilter.java:119)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
    at org.springframework.web.filter.RequestContextFilter.doFilterInternal(RequestContextFilter.java:100)
    at org.springframework.web.filter.OncePerRequestFilter.doFilter(OncePerRequestFilter.java:119)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
    at org.springframework.web.filter.FormContentFilter.doFilterInternal(FormContentFilter.java:93)
    at org.springframework.web.filter.OncePerRequestFilter.doFilter(OncePerRequestFilter.java:119)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
```

8 获取所有模型

<http://114.212.245.120:7788/api/config/get/all>

GET http://114.212.245...

Release Notes

No Environment

http://114.212.245.120:7788/api/config/get/all

Save

GET

http://114.212.245.120:7788/api/config/get/all

Send

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

Settings

Cookies

Query Params

	KEY	VALUE	DESCRIPTION		Bulk Edit
	Key	Value	Description		

Body

Cookies

Headers (8)

Test Results

Status: 200 OK Time: 151 ms Size: 322 B Save Response

Pretty

Raw

Preview

Visualize

JSON

1

2

3

4

5

6

1

2

3

4

5

6

"timestamp": 1644224101249,

"status": 400,

"errorCode": 40000,

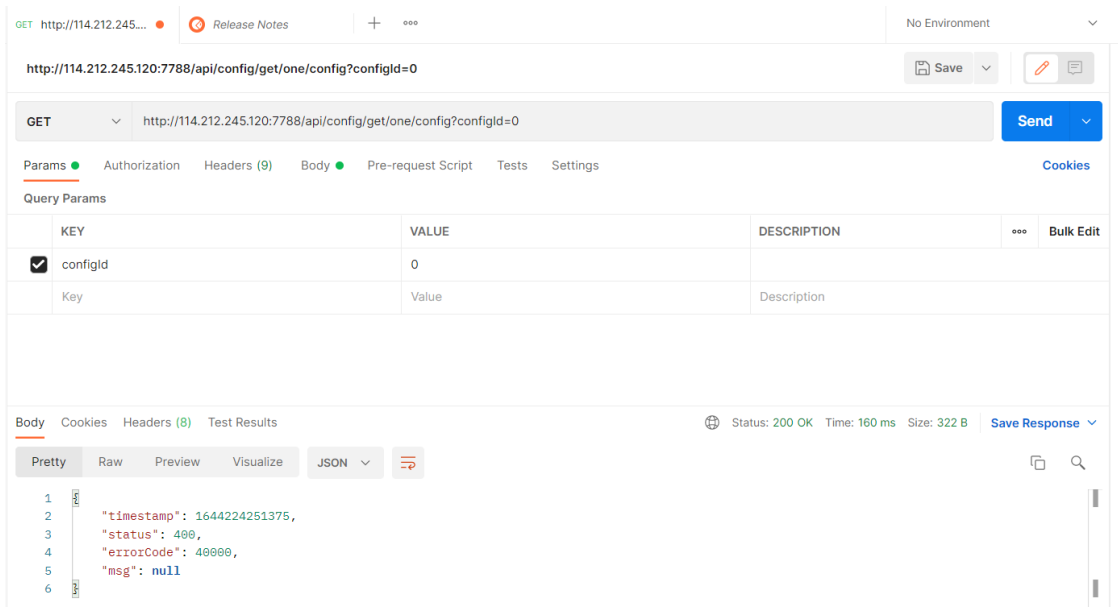
"msg": null

服务器:

```
java.lang.NumberFormatException: null
    at java.base/java.lang.Integer.parseInt(Integer.java:614)
    at java.base/java.lang.Integer.parseInt(Integer.java:770)
    at com.example.controller.ConfigController.getAllConfig(ConfigController.java:49)
    at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
    at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
    at java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
    at java.base/java.lang.reflect.Method.invoke(Method.java:566)
    at org.springframework.web.method.support.InvocableHandlerMethod.doInvoke(InvocableHandlerMethod.java:197)
    at org.springframework.web.method.support.InvocableHandlerMethod.invokeForRequest(InvocableHandlerMethod.java:141)
    at org.springframework.web.servlet.mvc.method.annotation.ServletInvocableHandlerMethod.invokeAndHandle(ServletInvocableHandlerMethod.java:106)
    at org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.invokeHandlerMethod(RequestMappingHandlerAdapter.java:894)
    at org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.handleInternal(RequestMappingHandlerAdapter.java:808)
    at org.springframework.web.servlet.mvc.method.AbstractHandlerMethodAdapter.handle(AbstractHandlerMethodAdapter.java:87)
    at org.springframework.web.servlet.DispatcherServlet.doDispatch(DispatcherServlet.java:1061)
    at org.springframework.web.servlet.DispatcherServlet.doService(DispatcherServlet.java:961)
    at org.springframework.web.servlet.FrameworkServlet.processRequest(FrameworkServlet.java:1006)
    at org.springframework.web.servlet.FrameworkServlet.doGet(FrameworkServlet.java:898)
    at javax.servlet.http.HttpServlet.service(HttpServlet.java:645)
    at org.springframework.web.servlet.FrameworkServlet.service(FrameworkServlet.java:883)
    at javax.servlet.http.HttpServlet.service(HttpServlet.java:750)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:231)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
    at org.apache.tomcat.websocket.server.WsFilter.doFilter(WsFilter.java:53)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
    at org.springframework.web.filter.CorsFilter.doFilterInternal(CorsFilter.java:91)
    at org.springframework.web.filter.OncePerRequestFilter.doFilter(OncePerRequestFilter.java:119)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
    at org.springframework.web.filter.RequestContextFilter.doFilterInternal(RequestContextFilter.java:100)
    at org.springframework.web.filter.OncePerRequestFilter.doFilter(OncePerRequestFilter.java:119)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
    at org.springframework.web.filter.FormContentFilter.doFilterInternal(FormContentFilter.java:93)
    at org.springframework.web.filter.OncePerRequestFilter.doFilter(OncePerRequestFilter.java:119)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
    at org.springframework.web.filter.CharacterEncodingFilter.doFilterInternal(CharacterEncodingFilter.java:201)
    at org.springframework.web.filter.OncePerRequestFilter.doFilter(OncePerRequestFilter.java:119)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
```

9 获取某个模型 200

<http://114.212.245.120:7788/api/config/get/one/config?configId=0>



服务器：

```
Hibernate: select model0_id as id1_6_, model0_arguments as argument2_6_, model0_config_id as config13_6_, model0_file_info_id as file_inf4_6_, model0_model_name as model_na5_6_, model0_model_path as model_pa6_6_, model0_model_type_id as model_ty7_6_, model0_res_of_model as res_of_m0_6_, model0_trained as trained9_6_ from model model0 where model0_config_id=?
Hibernate: select config0_id as id1_0_, config0_conf_name as conf_nam2_0_, config0_field_ids as field_id3_0_, config0_file_info_id as file_inf4_0_, config0_model_type_id as model_ty5_0_, config0_user_id as user_id6_0_ from config config0 where config0_id=?
java.lang.NullPointerException
    at com.example.services.ConfigService.getConfigInfoByConfigId(ConfigService.java:140)
    at com.example.controller.ConfigController.getOneConfig(ConfigController.java:77)
    at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
    at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
    at java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
    at java.base/java.lang.reflect.Method.invoke(Method.java:566)
    at org.springframework.web.method.support.InvocableHandlerMethod.doInvoke(InvocableHandlerMethod.java:197)
    at org.springframework.web.method.support.InvocableHandlerMethod.invokeForRequest(InvocableHandlerMethod.java:141)
    at org.springframework.web.servlet.mvc.method.annotation.ServletInvocableHandlerMethod.invokeAndHandle(ServletInvocableHandlerMethod.java:106)
    at org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.invokeHandlerMethod(RequestMappingHandlerAdapter.java:894)
    at org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.handleInternal(RequestMappingHandlerAdapter.java:808)
    at org.springframework.web.servlet.mvc.method.annotation.DelegatingHandlerAdapter.handle(DelegatingHandlerAdapter.java:87)
    at org.springframework.web.servlet.DispatcherServlet.doDispatch(DispatcherServlet.java:1061)
    at org.springframework.web.servlet.DispatcherServlet.doService(DispatcherServlet.java:961)
    at org.springframework.web.servlet.FrameworkServlet.processRequest(FrameworkServlet.java:1006)
    at org.springframework.web.servlet.FrameworkServlet.doGet(FrameworkServlet.java:890)
    at javax.servlet.http.HttpServlet.service(HttpServlet.java:645)
    at org.springframework.web.servlet.FrameworkServlet.service(FrameworkServlet.java:883)
    at javax.servlet.http.HttpServlet.service(HttpServlet.java:750)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:231)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
    at org.apache.tomcat.websocket.server.WsFilter.doFilter(WsFilter.java:53)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
    at org.springframework.web.filter.OncePerRequestFilter.doFilter(OncePerRequestFilter.java:119)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
    at org.springframework.web.filter.RequestContextFilter.doFilterInternal(RequestContextFilter.java:100)
```

对应代码：

```
/**
 * @param configId
 * @return
 */
@GetMapping(value = "/get/one/config")
public Response getOneConfig(@RequestParam(value = "configId", required = false) String configId) {
    try {
        return new NormalRes(configService.getConfigInfoByConfigId(Integer.parseInt(configId)));
    } catch (Exception e) {
        e.printStackTrace();
        return new ErrorRes();
    }
}
```

10 上传文件 200

<http://114.212.245.120:7788/api/file/upload?userId=0&fileName=hello.csv>

POST http://114.212.245.120:7788/api/file/upload?userId=0&fileName=hello.csv

Save Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies

Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/> userId	0			
<input checked="" type="checkbox"/> fileName	hello.csv			
Key	Value	Description		

Body Cookies Headers (8) Test Results

Status: 200 OK Time: 68 ms Size: 322 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "timestamp": 1644224484587,
3   "status": 400,
4   "errorCode": 40000,
5   "msg": null
6 }
```

服务器:

```
at java.base/java.lang.Thread.run(Thread.java:829)
02/07 17:01:19 WARN DefaultHandlerExceptionResolver: Resolved [org.springframework.web.HttpRequestMethodNotSupportedException: Request method 'GET' not supported]
02/07 17:01:24 INFO FileService: file uploading: filename = hello.csv, userId = 0
02/07 17:01:24 INFO FileController: error fileLoader
```

11 获取用户上传文件 200

<http://114.212.245.120:7788/api/file/get/all?userId=1>

GET http://114.212.245.120:7788/api/file/get/all?userId=1

Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies

Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/> userId	1			
Key	Value	Description		

Body Cookies Headers (8) Test Results

Status: 200 OK Time: 73 ms Size: 303 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "timestamp": 1644224581031,
3   "status": 200,
4   "data": []
5 }
```

服务器:

```
22/02/07 17:02:57 WARN DefaultHandlerExceptionResolver: Resolved [org.springframework.web.HttpRequestMethodNotSupportedException: Request method 'POST' not supported]
1
Hibernate: select fileinfo0_id as id1_2, fileinfo0_file_struct_info as file_str2_2, fileinfo0_filename as filename3_2, fileinfo0_folder as folder4_2, fileinfo0_location as location5_2, fileinfo0_upload_time as upload_t6_2, fileinfo0_user_id as user_id7_2 from file_info fileinfo0 where fileinfo0_user_id=?
```

12 文件数据分布分析 200

<http://114.212.245.120:7788/api/file/analysis/fields1?filelds=hello>

GET http://114.212.245.120:7788/api/file/analysis/fields?fields=hello

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies

Query Params

KEY	VALUE	DESCRIPTION
fields	hello	
Key	Value	Description

Body Cookies Headers (8) Test Results Status: 200 OK Time: 114 ms Size: 303 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "timestamp": 1644224755682,
3   "status": 200,
4   "data": {}
5 }
```

服务器:

没有反应

```
22/02/07 17:02:57 WARN DefaultHandlerExceptionResolver: Res
1
Hibernate: select fileinfo0_.id as id1_2_, fileinfo0_.file
_, fileinfo0_.upload_time as upload_t6_2_, fileinfo0_.user
^[
```

13 获取用户所有图片列表 200

<http://114.212.245.120:7788/api/picture/get/all/proj?userId=1>

GET http://114.212.245.120:7788/api/picture/get/all/proj?userId=1

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies

Query Params

KEY	VALUE	DESCRIPTION
userId	1	
Key	Value	Description

Body Cookies Headers (8) Test Results Status: 200 OK Time: 68 ms Size: 303 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "timestamp": 1644224939136,
3   "status": 200,
4   "data": []
5 }
```

服务器:

```
[java.lang.NumberFormatException: null]
    at java.base/java.lang.Integer.parseInt(Integer.java:614)
    at java.base/java.lang.Integer.parseInt(Integer.java:770)
    at com.example.controller.PicController.getAllProj(PicController.java:48)
    at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
    at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
    at java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
    at java.base/java.lang.reflect.Method.invoke(Method.java:566)
    at org.springframework.web.method.support.InvocableHandlerMethod.doInvoke(InvocableHandlerMethod.java:197)
    at org.springframework.web.method.support.InvocableHandlerMethod.invokeForRequest(InvocableHandlerMethod.java:141)
    at org.springframework.web.servlet.mvc.method.annotation.ServletInvocableHandlerMethod.invokeAndHandle(ServletInvocableHandlerMethod.java:186)
    at org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.invokeHandlerMethod(RequestMappingHandlerAdapter.java:894)
    at org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.handleInternal(RequestMappingHandlerAdapter.java:808)
    at org.springframework.web.servlet.mvc.method.AbstractHandlerMethodAdapter.handle(AbstractHandlerMethodAdapter.java:87)
    at org.springframework.web.servlet.DispatcherServlet.doDispatch(DispatcherServlet.java:1961)
    at org.springframework.web.servlet.DispatcherServlet.doService(DispatcherServlet.java:961)
    at org.springframework.web.servlet.FrameworkServlet.processRequest(FrameworkServlet.java:1006)
    at org.springframework.web.servlet.FrameworkServlet.doGet(FrameworkServlet.java:898)
    at javax.servlet.http.HttpServlet.service(HttpServlet.java:645)
    at org.springframework.web.servlet.FrameworkServlet.service(FrameworkServlet.java:883)
    at javax.servlet.http.HttpServlet.service(HttpServlet.java:750)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:231)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
    at org.apache.tomcat.websocket.server.WsFilter.doFilter(WsFilter.java:55)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
    at org.springframework.web.filter.CorsFilter.doFilterInternal(CorsFilter.java:91)
    at org.springframework.web.filter.OncePerRequestFilter.doFilter(OncePerRequestFilter.java:119)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
```

14 更新图片信息 200

<http://114.212.245.120:7788/api/picture/update/picinfo?picId=0&picCategory=0&picTag=animal>

GET

http://114.212.245...

Release Notes

+

...

No Environment

⌵

http://114.212.245.120:7788/api/picture/update/picinfo?picId=0&picCategory=0&picTag=animal

Save ⌵

✎

📄

GET

⌵

http://114.212.245.120:7788/api/picture/update/picinfo?picId=0&picCategory=0&picTag=animal

Send ⌵

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

Settings

Cookies

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
✓	picId	0			
✓	picCategory	0			
✓	picTag	animal			
	Key	Value	Description		

Body

Cookies

Headers (8)

Test Results

🌐 Status: 200 OK Time: 158 ms Size: 322 B

Save Response ⌵

Pretty

Raw

Preview

Visualize

JSON ⌵

🔍

```
1  {
2    "timestamp": 1644225098483,
3    "status": 400,
4    "errorCode": 40000,
5    "msg": null
6  }
```

服务器:

```

1 TeamAI x +
at java.base/java.lang.Thread.run(Thread.java:829)
Hibernate: select picfile0_id as id1_10, picfile0_file_name as file_name2_10, picfile0_loc as loc3_10, picfile0_user_id as user_id4_10 from
Hibernate: select picinfo0_id as id1_11, picinfo0_category_id as category2_11, picinfo0_location as location3_11, picinfo0_picname as picnam
.upload_time as upload_t6_11 from pic_info picinfo0 where picinfo0_id=?
java.lang.NullPointerException
at com.example.services.PictureService.updatePicInfo(PictureService.java:194)
at com.example.controller.PicController.updateFileInfo(PicController.java:91)
at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
at java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.base/java.lang.reflect.Method.invoke(Method.java:566)
at org.springframework.web.method.support.InvocableHandlerMethod.doInvoke(InvocableHandlerMethod.java:197)
at org.springframework.web.method.support.InvocableHandlerMethod.invokeForRequest(InvocableHandlerMethod.java:141)
at org.springframework.web.servlet.mvc.annotation.ServletInvocableHandlerMethod.invokeAndHandle(ServletInvocableHandlerMethod.java:1
at org.springframework.web.servlet.mvc.annotation.RequestMappingHandlerAdapter.invokeHandlerMethod(RequestMappingHandlerAdapter.java:888)
at org.springframework.web.servlet.mvc.annotation.RequestMappingHandlerAdapter.handleInternal(RequestMappingHandlerAdapter.java:808)
at org.springframework.web.servlet.mvc.annotation.AbstractHandlerMethodAdapter.handle(AbstractHandlerMethodAdapter.java:87)
at org.springframework.web.servlet.DispatcherServlet.doDispatch(DispatcherServlet.java:1061)
at org.springframework.web.servlet.DispatcherServlet.doService(DispatcherServlet.java:961)
at org.springframework.web.servlet.FrameworkServlet.processRequest(FrameworkServlet.java:1006)
at org.springframework.web.servlet.FrameworkServlet.doGet(FrameworkServlet.java:898)
at javax.servlet.http.HttpServlet.service(HttpServlet.java:645)
at org.springframework.web.servlet.FrameworkServlet.service(FrameworkServlet.java:883)
at javax.servlet.http.HttpServlet.service(HttpServlet.java:756)
at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:231)
at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
at org.apache.tomcat.websocket.server.WsFilter.doFilter(WsFilter.java:53)
at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
at org.springframework.web.filter.CorsFilter.doFilterInternal(CorsFilter.java:91)
at org.springframework.web.filter.OncePerRequestFilter.doFilter(OncePerRequestFilter.java:119)
at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
at org.springframework.web.filter.RequestContextFilter.doFilterInternal(RequestContextFilter.java:100)
at org.springframework.web.filter.OncePerRequestFilter.doFilter(OncePerRequestFilter.java:119)
at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
at org.springframework.web.filter.FormContentFilter.doFilterInternal(FormContentFilter.java:93)
at org.springframework.web.filter.OncePerRequestFilter.doFilter(OncePerRequestFilter.java:119)
at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)

```

15 获得用户的所有机器学习模型 200

路由: <http://114.212.245.120:7788/api/model/get/all?userId=1>

GET http://114.212.245.120:7788/api/model/get/all?userId=1

Save Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies

Query Params

KEY	VALUE	DESCRIPTION	Bulk Edit
<input checked="" type="checkbox"/> userId	1		
Key	Value	Description	

Body Cookies Headers (8) Test Results

Status: 200 OK Time: 66 ms Size: 303 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "timestamp": 1644225231475,
3   "status": 200,
4   "data": []
5 }
```

服务器:

```
Hibernate: select config0_id as id1_0_, config0_conf_name as conf_name2_0_, config0_field_ids as field_id3_0_, config0_file_info_id as file_inf4_0_, config0_model_type_id as model_ty5_0_, config0_user_id as user_id6_0_ from config config0 where config0_user_id=?
```

16 使用模型进行训练 200

路由: <http://114.212.245.120:7788/api/model/train?modelId=0>

GET http://114.212.245.120:7788/api/model/train?modelId=0

Save Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies

Query Params

KEY	VALUE	DESCRIPTION	Bulk Edit
<input checked="" type="checkbox"/> modelId	0		
Key	Value	Description	

Body Cookies Headers (8) Test Results

Status: 200 OK Time: 147 ms Size: 322 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "timestamp": 1644225309106,
3   "status": 400,
4   "errorCode": 40000,
5   "msg": null
6 }
```

服务器:

```
Hibernate: select model0_id as id1_6, model0_arguments as argument2_6, model0_config_id as config_i3_6, model0_file_info_id as file_inf4_6, model0_model_name as model_na5_6, model_path as model_pa6_6, model0_model_type_id as model_ty7_6, model0_res_of_model as res_of_m8_6, model0_trained as trained9_6 from model model0 where model0_id=?
java.lang.NullPointerException
    at com.example.services.ModelService.changeStatusOfTrained(ModelService.java:223)
    at com.example.services.ModelService.trainTheModel(ModelService.java:256)
    at com.example.controller.ModelController.trainModel(ModelController.java:141)
    at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethod)
    at java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:62)
    at java.base/jdk.internal.reflect.Method.invoke(Method.java:43)
    at org.springframework.web.method.support.InvocableHandlerMethod.doInvoke(InvocableHandlerMethod.java:197)
    at org.springframework.web.method.support.InvocableHandlerMethod.invokeForRequest(InvocableHandlerMethod.java:141)
    at org.springframework.web.servlet.mvc.method.annotation.ServletInvocableHandlerMethod.invokeAndHandle(ServletInvocableHandlerMethod.java:186)
    at org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.invokeHandlerMethod(RequestMappingHandlerAdapter.java:894)
    at org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.handleInternal(RequestMappingHandlerAdapter.java:888)
    at org.springframework.web.servlet.mvc.method.AbstractHandlerMethodAdapter.handle(AbstractHandlerMethodAdapter.java:87)
    at org.springframework.web.servlet.DispatcherServlet.doDispatch(DispatcherServlet.java:1061)
    at org.springframework.web.servlet.DispatcherServlet.doService(DispatcherServlet.java:961)
    at org.springframework.web.servlet.FrameworkServlet.processRequest(FrameworkServlet.java:1006)
    at org.springframework.web.servlet.FrameworkServlet.doGet(FrameworkServlet.java:898)
    at javax.servlet.http.HttpServlet.service(HttpServlet.java:645)
    at org.springframework.web.servlet.FrameworkServlet.service(FrameworkServlet.java:883)
    at javax.servlet.http.HttpServlet.service(HttpServlet.java:750)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:231)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
    at org.apache.tomcat.websocket.server.WsFilter.doFilter(WsFilter.java:53)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
    at org.springframework.web.filter.CorsFilter.doFilterInternal(CorsFilter.java:91)
    at org.springframework.web.filter.OncePerRequestFilter.doFilter(OncePerRequestFilter.java:119)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
    at org.springframework.web.filter.RequestContextFilter.doFilterInternal(RequestContextFilter.java:100)
    at org.springframework.web.filter.OncePerRequestFilter.doFilter(OncePerRequestFilter.java:119)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
```