实验助手接口文档

最终都需要将IP地址换成服务IP地址

1. 地图模块

1.1 获取附近用户

API：<http://172.18.3.117:8080/LabAssistant/map/around?userID=4028c681494b994701494b99aba50000&longitude=121.43700242034244&latitude=31.18441638587652>

返回成功：{"aroundUser":[{"mapID":"2c9283f54fcf29b3014fcf29cfdd0000","userID":"2c9283f54fcf29b3014fcf2a3f530001","longitude":"121.43760323516177","latitude":"31.18471009979488","reagentName":"洗涤液","distance":65.0},{"mapID":"2c9283f54fcf29b3014fcf2a915f0002","userID":"2c9283f54fcf29b3014fcf2abba70003","longitude":"121.4375174044733","latitude":"31.184416385875302","reagentName":"封闭液","distance":49.0},{"mapID":"2c9283f54fcf29b3014fcf2ac4bb0004","userID":"2c9283f54fcf29b3014fcf2b23e50005","longitude":"121.44498467437076","latitude":"31.189335973819038","reagentName":"显色剂","distance":936.0}]}

返回错误：{"code":"0","msg":"获取周围数据错误"}

2.实验模块

2.1 加载已完成列表

URL: http://172.18.0.55:8080/LabAssistant/lab/getComplete?userID=4028c681494b994701494b99aba50000

## 请求参数

|  |  |
| --- | --- |
|  | **说明** |
| **userID** | 用户登录时所获取的唯一标识 |

返回成功：

## {"completes":[{"experimentName":"ELISA检测血清TNF-a浓度","myExpID":"4039c681494b994701494b99aba51236","expState":"2","expInstructionID":"4028c681494b994701494b99bab60000"}]}

## 返回字段说明

|  |  |
| --- | --- |
| **返回值字段** | **字段说明** |
| myExpID | 实验唯一标识 |
| expInstructionID | 说明书唯一标识 |
| experimentName | 实验名称 |
| expState | 实验所处的状态 |

返回错误：{"code":"0","msg":"获取已完成实验列表出错"}

2.2 加载正在进行实验列表

URL: http://172.18.0.55:8080/LabAssistant/lab/getDoing?userID=4028c681494b994701494b99aba50000

## 请求参数

|  |  |
| --- | --- |
|  | **说明** |
| **userID** | 用户登录时所获取的唯一标识 |

返回成功：

## {"Doings":[{"experimentName":"ELISA检测血清TNF-b浓度","myExpID":"4039c681494b994701494b99aba51237","expState":"0","expInstructionID":"4028c681494b994701494b99bab61111"}]}

## 返回字段说明

|  |  |
| --- | --- |
| **返回值字段** | **字段说明** |
| myExpID | 实验唯一标识 |
| expInstructionID | 说明书唯一标识 |
| experimentName | 实验名称 |
| expState | 实验所处的状态 |

返回错误：{"code":"0","msg":"获取正在进行的实验列表出错"}

2.3 获取实验或说明书下所有的实验步骤

URL: <http://172.18.0.55:8080/LabAssistant/lab/getAllProcessExceptComplete?userID=4028c681494b994701494b99aba50000&myExpID=4039c681494b994701494b99aba51236&expInstructionID=4028c681494b994701494b99bab60000&expState=1>

## 请求参数

|  |  |
| --- | --- |
|  | **说明** |
| **userID** | 用户登录时所获取的唯一标识 |
| **myExpID** | 实验唯一标识 |
| expInstructionID | 说明书唯一标识 |
| expState | 实验所处的状态 |

返回成功：

## {"myExp":[{"experimentName":"ELISA检测血清TNF-a浓度","1":"用包被缓冲液溶解抗原，使抗原浓度为10-20 μg/ml，加100 μl/孔，4℃放置","2":"弃去液体后，在吸水纸拍干，每孔加入300μl PBST 洗涤，振荡","3":"弃去液体后，在吸水纸拍干，每孔加入300μl PBST 洗涤，振荡","4":"弃去液体后，在吸水纸拍干，每孔加入300μl PBST 洗涤，振荡","5":"每孔加入150 μl 1％ BSA 37℃封闭1 小时","6":"弃去液体后，在吸水纸拍干，每孔加入300μl PBST 洗涤，振荡"}]}

## 返回字段说明

|  |  |
| --- | --- |
| **返回值字段** | **字段说明** |
| experimentName | 实验名称 |
| 1，2，3… | 实验步骤编号 |

返回错误：{"code":"0","msg":"获取实验下所有步骤出错"}

2.4 获取热门说明书

URL：http://172.18.0.55:8080/LabAssistant/lab/getHotInstructions?returnLimit=2

## 请求参数

|  |  |
| --- | --- |
|  | **说明** |
| returnLimit | 可选，限制返回的条数 |

返回成功：

## [{"expInstructionID":"4028c681494b994701494b99bab61111","experimentName":"ELISA检测血清TNF-b浓度","downloadCount":20,"reviewCount":0,"nDaysAgo":"1天"},{"expInstructionID":"4028c681494b994701494b99bab62222","experimentName":"ELISA检测血清TNF-c浓度","downloadCount":5,"reviewCount":0,"nDaysAgo":"1天"}]

## 返回字段说明

|  |  |
| --- | --- |
| **返回值字段** | **字段说明** |
| expInstructionID | 说明书唯一标识 |
| experimentName | 说明书名称 |
| downloadCount | 下载量 |
| reviewCount | 评论量 |
| nDaysAgo | N天前创建的 |

返回错误：{"code":"0","msg":"无法获取热门说明书"}

2.5 获取说明书下的详细信息

URL：http://172.18.0.55:8080/LabAssistant/lab/getInstructionDetail?expInstructionID=4028c681494b994701494b99bab61111

## 请求参数

|  |  |
| --- | --- |
|  | **说明** |
| expInstructionID | 说明书唯一标识 |

返回成功：

## [{"expInstructionID":"4028c681494b994701494b99bab61111","experimentName":"ELISA检测血清TNF-b浓度","supplierName":"海尔","productNum":"hhd","instructState":"已下载"}]返回字段说明

|  |  |
| --- | --- |
| **返回值字段** | **字段说明** |
| expInstructionID | 说明书唯一标识 |
| experimentName | 说明书名称 |
| supplierName | 供应商名称—厂商（在返回的字段中和provideUser就存在一个，即若说明书是厂商提供的返回supplierName，若说明书是个人提供的返回provideUser） |
| provideUser | 提供者—个人 |
| productNum | 货号 |
| instructState | 说明书的状态 |

返回错误：{"code":"0","msg":"获取说明书详细信息出错"}