**综合管理工具-account\_manager-前后端接口文档**

**版本号： 1.0.0**

# 修订记录

|  |  |  |  |
| --- | --- | --- | --- |
| **版本号** | **修改内容** | **修改人** | **修改时间** |
| 1.0.0 | 迭代一功能接口 | 肖登冰 | 2018-07-16 |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

# Bean对象定义

Account bean

|  |  |  |
| --- | --- | --- |
| **字段名** | **类型** | **说明** |
| id | String | **账号** |
| colAccountName | String | **账户名称** |
| colPassowrd | String | **密码** |
| colRoleId | **Integer** | **角色** |
| colFullName | String | **全名** |
| colMobile | String | **电话** |
| colEmail | String | **邮箱** |
| colDepartmentId | **Integer** | **部门ID** |
| colLevel | String | **级别** |
| colCreateTime | **Long** | **创建时间** |
| colUpdateTime | **Long** | **更新时间** |
| colCreatorId | String | **创建者ID** |
| colUpdatorId | String | **修改者ID** |
| colLoginTime | **Long** | **最后登录时间** |

Department bean

|  |  |  |
| --- | --- | --- |
| **字段名** | **类型** | **说明** |
| id | Integer | **部门id** |
| colName | String | **部门名称** |
| colDesc | String | **部门描述** |
| colParentId | **Integer** | **父部门id** |
| colCreateTime | Long | **创建时间** |
| colCreateorId | String | **创建者ID** |
| colUpdaterId | String | **更新者ID** |

Role bean

|  |  |  |
| --- | --- | --- |
| **字段名** | **类型** | **说明** |
| id | Integer | **角色id** |
| roleDesc | String | **角色名称** |

ExamPaper bean

|  |  |  |
| --- | --- | --- |
| **字段名** | **类型** | **说明** |
| id | Integer | **考试id** |
| paperName | String | **试卷名称** |
| paperOwnerId | String | **试卷拥有者** |
| examId | int | **试卷id** |
| score | int | **分数** |
| paperStatus | int | **试卷状态** |
| paperStatusDesc | string | **考试状态描述** |
| startTime | long | **开始时间** |
| endTime | long | **结束时间** |
| submitTime | long | **提交时间** |
| ipaddr | string | **Ip地址** |

# 接口列表

## 登录验证功能接口

|  |  |  |  |
| --- | --- | --- | --- |
| **登录验证功能接口** | | | |
| **调用地址** | /account-manage/accessvalidat | | |
| **调用方式** | Post | | |
| **请求参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
|  |  |  |  |
|  |  |  |  |
| **Header参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
|  |  |  |  |
|  |  |  |  |
| **Body参数（Json）** | | | |
| **字段名** | **类型** | **说明** | |
| roleType | **String** | **角色类型** | |
| id | **String** | 账户id | |
| pwd | **String** | 账户密码 | |
| **Body参数（Json）示例** | | | |
| {  "roleType":”1”,  "id":"0000008121",  "pwd":"passwd"  } | | | |
| **返回结果（Json）** | | | |
| **字段名** | **类型** | **说明** | |
| Code | 错误码 | 0000 账户验证成功 1111 账户验证成功、并且用户是首次登录 4444 账户验证失败 | |
| Message | 信息描述 |  | |
| Data |  |  | |
| **返回结果（Json）示例** | | | |
| {  "code":"0000",  "message":"success"  } or  {  "code":"1111",  "message":"first login"  } or  {  "code":"4444",  "message":"error happend"  } | | | |

## 查询单个账号

|  |  |  |  |
| --- | --- | --- | --- |
| **查询单个账号功能接口** | | | |
| **调用地址** | /account-manage/account | | |
| **调用方式** | Get | | |
| **请求参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
| id | String | 账号id | 否 **二者必填一** |
| accountName | string | 账号名称 | 否 |
| **Header参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
|  |  |  |  |
|  |  |  |  |
| **Body参数（Json）** | | | |
| **字段名** | **类型** | **说明** | |
|  |  |  | |
|  |  |  | |
| **Body参数（Json）示例** | | | |
|  | | | |
| **返回结果（Json）** | | | |
| **字段名** | **类型** | **说明** | |
|  |  |  | |
|  |  |  | |
|  |  |  | |
| **返回结果（Json）示例** | | | |
| {  "code":"0000",  "message":"success"  "data":{  "oneAccount":{Account bean}  }  } or  {  "code":"4444",  "message":"error happend"  } | | | |

## 管理员查询部门接口

|  |  |  |  |
| --- | --- | --- | --- |
| **管理员查询部门接口** | | | |
| **调用地址** | /account-manage/department | | |
| **调用方式** | Post | | |
| **请求参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
|  |  |  |  |
|  |  |  |  |
| **Header参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
|  |  |  |  |
|  |  |  |  |
| **Body参数（Json）** | | | |
| **字段名** | **类型** | **说明** | |
| parentId | Int | 父部门id | |
| **Body参数（Json）示例** | | | |
| {  "parentId":127  } | | | |
| **返回结果（Json）** | | | |
| **字段名** | **类型** | **说明** | |
|  |  |  | |
|  |  |  | |
|  |  |  | |
| **返回结果（Json）示例** | | | |
| {  "code":"0000",  "message":"success"  "data":{  "sonDepartmentInfos":[{Department bean0},{Department bean1}] 注：当对象的ColParentId字段值为-1时表示其是最末级部门  }  } or  {  "code":"4444",  "message":"error happend"  } | | | |

## 通过部门id获取属于该部门下所有的员工

|  |  |  |  |
| --- | --- | --- | --- |
| **通过部门id获取属于该部门下所有的员工接口** | | | |
| **调用地址** | /account-manage/department/{departmentId} | | |
| **调用方式** | get | | |
| **请求参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
| departmentId | int | 部门id | 是 |
|  |  |  |  |
| **Header参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
|  |  |  |  |
|  |  |  |  |
| **Body参数（Json）** | | | |
| **字段名** | **类型** | **说明** | |
|  |  |  | |
|  |  |  | |
| **Body参数（Json）示例** | | | |
|  | | | |
| **返回结果（Json）** | | | |
| **字段名** | **类型** | **说明** | |
|  |  |  | |
|  |  |  | |
|  |  |  | |
| **返回结果（Json）示例** | | | |
| {  "code":"0000",  "message":"success",  “data”:{  “accountInfos”:[  {AccountBean0},{AccountBean1}  ]  }  } or  {  "code":"4444",  "message":"error happend"  } | | | |

## 据部门id查询其下子部门树结构

|  |  |  |  |
| --- | --- | --- | --- |
| **据部门id查询其下子部门树结构接口** | | | |
| **调用地址** | /account-manage/departmenttree/{id} | | |
| **调用方式** | get | | |
| **请求参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
|  |  |  |  |
|  |  |  |  |
| **Header参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
|  |  |  |  |
|  |  |  |  |
| **Body参数（Json）** | | | |
| **字段名** | **类型** | **说明** | |
|  |  |  | |
|  |  |  | |
| **Body参数（Json）示例** | | | |
|  | | | |
| **返回结果（Json）** | | | |
| **字段名** | **类型** | **说明** | |
|  |  |  | |
|  |  |  | |
|  |  |  | |
| **返回结果（Json）示例** | | | |
| {  "code":"0000",  "message":"success",  “infos”:  [ {  "id" : 127,  "colName" : "智能终端",  "colDesc" : "智能终端",  "colParentId" : null,  "colCreateTime" : null,  "colCreateorId" : null,  "colUpdaterId" : null,  "sonList" : [ {  "id" : 140,  "colName" : "华为业务线",  "colDesc" : "华为业务",  "colParentId" : null,  "colCreateTime" : null,  "colCreateorId" : null,  "colUpdaterId" : null,  "sonList" : [ ]  } ]  }, {  "id" : 130,  "colName" : "海外事业部",  "colDesc" : "海外",  "colParentId" : null,  "colCreateTime" : null,  "colCreateorId" : null,  "colUpdaterId" : null,  "sonList" : [ ]  } ]  } or  {  "code":"4444",  "message":"error happend"  } | | | |

## 查询一个或所有账户参加的所有考试情况

|  |  |  |  |
| --- | --- | --- | --- |
| **查询一个或所有账户参加的所有考试接口** | | | |
| **调用地址** | /paper-manage/exampaper/{accountId} | | |
| **调用方式** | get | | |
| **请求参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
| accountId | string | 账户ID 注：当其为ALL 时表示查所有账户的考试信息 | 是 |
|  |  |  |  |
| **Header参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
|  |  |  |  |
|  |  |  |  |
| **Body参数（Json）** | | | |
| **字段名** | **类型** | **说明** | |
|  |  |  | |
|  |  |  | |
| **Body参数（Json）示例** | | | |
|  | | | |
| **返回结果（Json）** | | | |
| **字段名** | **类型** | **说明** | |
|  |  |  | |
|  |  |  | |
|  |  |  | |
| **返回结果（Json）示例** | | | |
| {  "code":"0000",  "message":"success",  “infos”:[{ExamPaper bean0}, {ExamPaper bean1}]  } or  {  "code":"4444",  "message":"error happend"  } | | | |

## 查询一份考试的情况

|  |  |  |  |
| --- | --- | --- | --- |
| **查询一份考试的情况接口** | | | |
| **调用地址** | /paper-manage/exampaper/{examId} | | |
| **调用方式** | get | | |
| **请求参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
| examId | Int | 试卷ID | 是 |
|  |  |  |  |
| **Header参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
|  |  |  |  |
|  |  |  |  |
| **Body参数（Json）** | | | |
| **字段名** | **类型** | **说明** | |
|  |  |  | |
|  |  |  | |
| **Body参数（Json）示例** | | | |
|  | | | |
| **返回结果（Json）** | | | |
| **字段名** | **类型** | **说明** | |
|  |  |  | |
|  |  |  | |
|  |  |  | |
| **返回结果（Json）示例** | | | |
| {  "code":"0000",  "message":"success",  “infos”:[{ExamPaper bean0}, {ExamPaper bean1}]  } or  {  "code":"4444",  "message":"error happend"  } | | | |

## 新增一个账户

|  |  |  |  |
| --- | --- | --- | --- |
| **新增一个账户接口** | | | |
| **调用地址** | /account-manage/account | | |
| **调用方式** | post | | |
| **请求参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
|  |  |  |  |
| **Header参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
|  |  |  |  |
|  |  |  |  |
| **Body参数（Json）** | | | |
| **字段名** | **类型** | **说明** | |
|  |  |  | |
|  |  |  | |
| **Body参数（Json）示例** | | | |
| Account bean | | | |
| **返回结果（Json）** | | | |
| **字段名** | **类型** | **说明** | |
|  |  |  | |
|  |  |  | |
|  |  |  | |
| **返回结果（Json）示例** | | | |
| {  "code":"0000",  "message":"success"  } or  {  "code":"4444",  "message":"error happend"  } | | | |

## 删除账户（单个、批量一起）

|  |  |  |  |
| --- | --- | --- | --- |
| **删除账户接口** | | | |
| **调用地址** | /account-manage/account | | |
| **调用方式** | Delete | | |
| **请求参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
|  |  |  |  |
| **Header参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
|  |  |  |  |
|  |  |  |  |
| **Body参数（Json）** | | | |
| **字段名** | **类型** | **说明** | |
|  |  |  | |
|  |  |  | |
| **Body参数（Json）示例** | | | |
| [“id 1”,”id 2”] | | | |
| **返回结果（Json）** | | | |
| **字段名** | **类型** | **说明** | |
|  |  |  | |
|  |  |  | |
|  |  |  | |
| **返回结果（Json）示例** | | | |
| {  "code":"0000",  "message":"success"  } or  {  "code":"4444",  "message":"error happend"  } | | | |

## 修改一个账户

|  |  |  |  |
| --- | --- | --- | --- |
| **修改一个账户接口** | | | |
| **调用地址** | /account-manage/account | | |
| **调用方式** | put | | |
| **请求参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
|  |  |  |  |
| **Header参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
|  |  |  |  |
|  |  |  |  |
| **Body参数（Json）** | | | |
| **字段名** | **类型** | **说明** | |
|  |  |  | |
|  |  |  | |
| **Body参数（Json）示例** | | | |
| Account bean | | | |
| **返回结果（Json）** | | | |
| **字段名** | **类型** | **说明** | |
|  |  |  | |
|  |  |  | |
|  |  |  | |
| **返回结果（Json）示例** | | | |
| {  "code":"0000",  "message":"success"  } or  {  "code":"4444",  "message":"error happend"  } | | | |

## 个人修改密码

|  |  |  |  |
| --- | --- | --- | --- |
| **个人修改密码接口** | | | |
| **调用地址** | /account-manage/password | | |
| **调用方式** | put | | |
| **请求参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
|  |  |  |  |
| **Header参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
|  |  |  |  |
|  |  |  |  |
| **Body参数（Json）** | | | |
| **字段名** | **类型** | **说明** | |
| id | string | 账户ID | |
| roleid | int | 角色ID | |
| oldpassword | string | 旧密码 | |
| newpassword | string | 新密码 | |
| **Body参数（Json）示例** | | | |
| {  "id":"xxxx",  "roleid":2,  "oldpassword":"xxxx",  "newpassword":"xxxxx"  } | | | |
| **返回结果（Json）** | | | |
| **字段名** | **类型** | **说明** | |
|  |  |  | |
|  |  |  | |
|  |  |  | |
| **返回结果（Json）示例** | | | |
| {  "code":"0000",  "message":"success"  } or  {  "code":"4444",  "message":"error happend"  } | | | |

## 管理员重置个人密码

|  |  |  |  |
| --- | --- | --- | --- |
| **管理员重置个人账户的密码接口** | | | |
| **调用地址** | /account-manage/password/{id} | | |
| **调用方式** | Put | | |
| **请求参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
| Id | string | 需重置的账户ID | 是 |
|  |  |  |  |
| **Header参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
|  |  |  |  |
|  |  |  |  |
| **Body参数（Json）** | | | |
| **字段名** | **类型** | **说明** | |
|  |  |  | |
|  |  |  | |
| **Body参数（Json）示例** | | | |
|  | | | |
| **返回结果（Json）** | | | |
| **字段名** | **类型** | **说明** | |
|  |  |  | |
|  |  |  | |
|  |  |  | |
| **返回结果（Json）示例** | | | |
| {  "code":"0000",  "message":"success"  } or  {  "code":"4444",  "message":"error happend"  } | | | |

## 批量导入账户

|  |  |  |  |
| --- | --- | --- | --- |
| **批量导入账户接口** | | | |
| **调用地址** | /account-manage/importAccount | | |
| **调用方式** | post | | |
| **请求参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
| file | file | 文件 | 是 |
| creatorId | string | 导入者ID | 是 |
| departmentId | int | 部门ID | 是 |
| **Header参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
|  |  |  |  |
|  |  |  |  |
| **Body参数（Json）** | | | |
| **字段名** | **类型** | **说明** | |
|  |  |  | |
|  |  |  | |
| **Body参数（Json）示例** | | | |
|  | | | |
| **返回结果（Json）** | | | |
| **字段名** | **类型** | **说明** | |
|  |  |  | |
|  |  |  | |
|  |  |  | |
| **返回结果（Json）示例** | | | |
| {  "code":"0000",  "message":"success"  } or  {  "code":"4444",  "message":"error happend"  } | | | |

## 新增一个部门

|  |  |  |  |
| --- | --- | --- | --- |
| **新增一个部门接口** | | | |
| **调用地址** | /account-manage/departmentadd | | |
| **调用方式** | Post | | |
| **请求参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
| **Header参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
|  |  |  |  |
|  |  |  |  |
| **Body参数（Json）** | | | |
| **字段名** | **类型** | **说明** | |
|  |  |  | |
|  |  |  | |
| **Body参数（Json）示例** | | | |
| Department bean | | | |
| **返回结果（Json）** | | | |
| **字段名** | **类型** | **说明** | |
|  |  |  | |
|  |  |  | |
|  |  |  | |
| **返回结果（Json）示例** | | | |
| {  "code":"0000",  "message":"success"  } or  {  "code":"4444",  "message":"error happend"  } | | | |

## 删除一个部门

|  |  |  |  |
| --- | --- | --- | --- |
| **删除一个部门接口** | | | |
| **调用地址** | /account-manage/department/{id} | | |
| **调用方式** | Delete | | |
| **请求参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
| id | int | 部门ID | 是 |
| **Header参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
|  |  |  |  |
|  |  |  |  |
| **Body参数（Json）** | | | |
| **字段名** | **类型** | **说明** | |
|  |  |  | |
|  |  |  | |
| **Body参数（Json）示例** | | | |
|  | | | |
| **返回结果（Json）** | | | |
| **字段名** | **类型** | **说明** | |
|  |  |  | |
|  |  |  | |
|  |  |  | |
| **返回结果（Json）示例** | | | |
| {  "code":"0000",  "message":"success"  } or  {  "code":"4444",  "message":"error happend"  } | | | |

## 修改一个部门

|  |  |  |  |
| --- | --- | --- | --- |
| **修改一个部门接口** | | | |
| **调用地址** | /account-manage/department | | |
| **调用方式** | Put | | |
| **请求参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
| **Header参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
|  |  |  |  |
|  |  |  |  |
| **Body参数（Json）** | | | |
| **字段名** | **类型** | **说明** | |
|  |  |  | |
|  |  |  | |
| **Body参数（Json）示例** | | | |
| Department bean | | | |
| **返回结果（Json）** | | | |
| **字段名** | **类型** | **说明** | |
|  |  |  | |
|  |  |  | |
|  |  |  | |
| **返回结果（Json）示例** | | | |
| {  "code":"0000",  "message":"success"  } or  {  "code":"4444",  "message":"error happend"  } | | | |

## 批量修改账户的所属部门信息

|  |  |  |  |
| --- | --- | --- | --- |
| **批量修改账户的所属部门接口** | | | |
| **调用地址** | /account-manage/accounttodepartment | | |
| **调用方式** | Put | | |
| **请求参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
| **Header参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
|  |  |  |  |
|  |  |  |  |
| **Body参数（Json）** | | | |
| **字段名** | **类型** | **说明** | |
| ids | array | 账户ID数组 | |
| departmentid | int | 部门ID | |
| **Body参数（Json）示例** | | | |
| {  "ids":["id1", "id2"],  "departmentid":111  } | | | |
| **返回结果（Json）** | | | |
| **字段名** | **类型** | **说明** | |
|  |  |  | |
|  |  |  | |
|  |  |  | |
| **返回结果（Json）示例** | | | |
| {  "code":"0000",  "message":"success"  } or  {  "code":"4444",  "message":"error happend"  } | | | |

# 备注

## REST 简介

REST 是一个术语的缩写，Representational State Transfer，中文直译「表征状态转移」，这是个很拗口的词。不要强行理解，直接看怎么做，等对实施细节有一些了解后，再来看名字会有更深刻的理解。**REST 是一套风格约定，RESTful 是它的形容词形式；比如一套实现了 REST 风格的接口，可以称之为 RESTful 接口。**

## REST 对请求的约定

REST 描述了HTTP层里客户端和服务器端的数据交互规则。客户端通过向服务器端发送HTTP请求，接收服务器的响应，完成一次HTTP交互。这个交互过程中，REST架构约定两个重要方面就是HTTP请求的所采用方法，以及请求的链接。

在请求层面，REST 规范可以简单粗暴抽象成以下两个规则：

* **请求 API 的 URL 表示用来定位资源；**
* **请求的 METHOD 表示对这个资源进行的操作；**

以下表格举例说明

|  |  |  |
| --- | --- | --- |
| **请求方式** | **Url** | **功能** |
| **GET** | /accounts | 列出所有用户 |
| **POST** | /accounts | 新建用户 |
| **GET** | /accounts/ID | 获取指定用户的详细信息 |
| **PUT** | /accounts/ID | 更新指定用户信息 |
| **PATCH** |
| **DELETE** | /accounts/ID | 删除指定用户 |