**综合管理工具-exam\_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 |
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# Bean对象定义

Exam bean

|  |  |  |
| --- | --- | --- |
| **字段名** | **类型** | **说明** |
| id | Integer | **Exam id** |
| colExamName | String | **试卷名称** |
| colExamDesc | String | **试卷描述** |
| colSubjectDbId | **Integer** | **题库ID** |
| colOpenTime | long | **开放时间** |
| colCloseTime | long | **关闭时间** |
| colTotalScore | Integer | **总分** |
| colPassScore | **Integer** | **通过分数** |
| colDuration | Integer | **考试时间** |
| colLimitCount | Integer | **限制考试次数** |
| colPublish | Integer | **发布状态\\n0:未发布\\n1:发布** |
| colCreateTime | long | **创建时间** |
| colUpdateTime | long | **更新时间** |
| colCreatorId | **String** | **创建者ID** |
| colUpdateId | **String** | **修改者ID** |

ExamAccount bean

|  |  |  |
| --- | --- | --- |
| **字段名** | **类型** | **说明** |
| id | Integer | **主键id** |
| colExamId | Integer | **试卷id** |
| colAccountId | String | **账户ID** |
| colParerCount | **Integer** | **考试次数** |
| colLimitCount | **Integer** | **考试限制考试次数** |
| colIsPass | **Integer** | **是否通过** |
| colCreatorId | String | **创建者ID** |
| colCreateTime | **Integer** | **创建时间** |

ExamStruct bean

|  |  |  |
| --- | --- | --- |
| **字段名** | **类型** | **说明** |
| id | Integer | **主键id** |
| colExamId | Integer | **试卷id** |
| colSubjectType | Integer | **试题类型** |
| colSubjectCount | Integer | **试题个数** |
| colSubjectPoint | **Integer** | **单个试题分数** |
| colDifficultLevel | **Integer** | **试题难易等级（0简单 1普通 2难）** |

# 接口列表

## 一场考试关联多个账户功能接口

|  |  |  |  |
| --- | --- | --- | --- |
| **登录验证功能接口** | | | |
| **调用地址** | /exam-manage/examaccountlist | | |
| **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** | |
| examId | **Int** | **试卷id** | |
| ids | **ArrayString** | 账户id数组 | |
| creatId | **String** | 创建关联关系的账号id | |
| limitCount | **Int** | 限制考试次数 | |
| **Body参数（Json）示例** | | | |
| {  "examId":123,  "ids":  [  "000008121", "000008122"  ],  "creatId":"000008121",  "limitCount":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"  } | | | |

## 根据用户id查询其下所有的考试

|  |  |  |  |
| --- | --- | --- | --- |
| **根据用户id查询其下所有的考试功能接口** | | | |
| **调用地址** | /exam-manage/examaccount/{accountid}/{parercount} 注：parercount为0表示未参加考试 1为已参加考试 | | |
| **调用方式** | Get | | |
| **请求参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
| accountid | String | 账号id | 是 |
| parercount | Int | 考试次数 | 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":{  "infos":[{ExamAccount bean0},{ExamAccount bean1}]  }  } or  {  "code":"4444",  "message":"error happend"  } | | | |

## 创建一份考试接口

|  |  |  |  |
| --- | --- | --- | --- |
| **创建一份考试接口** | | | |
| **调用地址** | /exam-manage/exam | | |
| **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** | |
| Exam | bean | 考试bean | |
| **Body参数（Json）示例** | | | |
| {  Exam 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"  } | | | |

## 插入单个试卷的结构

|  |  |  |  |
| --- | --- | --- | --- |
| **插入单个试卷的结构接口** | | | |
| **调用地址** | /exam-manage/examstruct | | |
| **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** | |
| ExamStruct | bean | 考试结构bean | |
|  |  |  | |
| **Body参数（Json）示例** | | | |
| {  ExamStruct 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"  } | | | |

## 根据examid查询考试的结构

|  |  |  |  |
| --- | --- | --- | --- |
| **根据examid查询考试的结构功能接口** | | | |
| **调用地址** | /exam-manage/{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”:[{ExamStruct bean0}, {ExamStruct bean1}]  } or  {  "code":"4444",  "message":"error happend"  } | | | |

## 查询一份考试详情

|  |  |  |  |
| --- | --- | --- | --- |
| **查询一份考试详情接口** | | | |
| **调用地址** | /exam-manage/exam/{examid} | | |
| **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”:{Exam bean}  } or  {  "code":"4444",  "message":"error happend"  } | | | |

## 查询所有已经发布的考试（管理员）

|  |  |  |  |
| --- | --- | --- | --- |
| **查询所有已经发布的考试（管理员）接口** | | | |
| **调用地址** | /exam-manage/examall | | |
| **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”:[{Exam bean0},{Exam bean1}]  } | | | |

## 试卷考生关联关系更新接口

|  |  |  |  |
| --- | --- | --- | --- |
| **试卷考生关联关系更新接口** | | | |
| **调用地址** | /exam-manage/examaccount | | |
| **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** | | | |
| {  ExamAccount 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"  } | | | |

## 创建试题-规则-关联账号

|  |  |  |  |
| --- | --- | --- | --- |
| **创建试题-规则-关联账号接口** | | | |
| **调用地址** | /exam-manage/examination | | |
| **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** | | | |
| {  "data" : {  "exam" : {  "colExamName" : "java技能",  "colExamDesc" : "xxxxxx",  "colSubjectDbId" : 100,  "colOpenTime" : 11111,  "colCloseTime" : 22222,  "colTotalScore" : 100,  "colPassScore" : 80,  "colDuration" : 60,  "colLimitCount" : 3,  "colPublish" : 1,  "colCreatorId" : "00000001",  "colUpdateId" : "00000001"  },  "examStruct" : [{  "colSubjectType" : 1,  "colSubjectCount" : 10,  "colSubjectPoint" : 5,  “colDifficultLevel”:1  }],  "examAccountList" : {  "ids" :  [  "000008121", "000008122"  ],  "creatId" : "000008121",  "limitCount" : 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"  } | | | |

## 更新是否通过考试字段并返回这个信息给paper-manage

|  |  |  |  |
| --- | --- | --- | --- |
| **更新是否通过考试字段并返回这个信息给paper-manage接口** | | | |
| **调用地址** | /exam-manage/examispass | | |
| **调用方式** | get | | |
| **请求参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
| examPaperId | Integer | 考试ID | 是 |
| examId | Integer | 试卷ID | 是 |
| score | Integer | 分数 | 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"  } | | | |

## 考试的重新发布

|  |  |  |  |
| --- | --- | --- | --- |
| **考试的重新发布接口** | | | |
| **调用地址** | /exam-manage/examToRepeat/{examid}/{creatorid} | | |
| **调用方式** | post | | |
| **请求参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
| examid | int | 试卷ID | 是 |
| creatorid | string | 创建者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"  } | | | |

## 考试的人员添加（获取一个部门下未参加此次考试的人员）

|  |  |  |  |
| --- | --- | --- | --- |
| **查询某部门下未参加此考试的接口** | | | |
| **调用地址** | /exam-manage/examaccountlist/{examid}/{departmentid} | | |
| **调用方式** | post | | |
| **请求参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
| examid | Int | 试卷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",  "data":{  "infos":[{Account bean0},{Account bean1}]  }  }  or  {  "code":"4444",  "message":"error happend"  } | | | |

## 人员与考试关联

|  |  |  |  |
| --- | --- | --- | --- |
| **试卷考生关联关系更新接口** | | | |
| **调用地址** | /exam-manage/examaccountadd/{examid}/{creatorid} | | |
| **调用方式** | post | | |
| **请求参数** | | | |
| **参数名** | **类型** | **说明** | **必选项** |
| examid | int | 试卷ID | 是 |
| creatorid | string | 创建者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** | |
| accountIds | Array | 账户ID数组 | |
|  |  |  | |
| **Body参数（Json）示例** | | | |
| [“0001”, “0002”] | | | |
| **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 |