**[考试管理系统]-[试卷管理系统]-前后端接口文档**

**版本号：**

# 修订记录

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| **版本号** | **修改内容** | **修改人** | **修改时间** |
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# 接口列表

## 查询所有试卷模板

|  |  |  |  |
| --- | --- | --- | --- |
| **生成试卷接口** | | | |
| **调用地址** | /exam-manage/examTemplate | | |
| **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** |
| Accept-Charset | string | xxxxx | N |
| Accept-Language | string | xxxxx | N |
| **Body参数（Json）** | | | |
| **字段名** | **类型** | **说明** | 必选项 |
| **返回结果（Json）** | | | |
| **字段名** | **类型** | **说明** | |
| id | Number | 模板详情id | |
| colTemplateId | Number | 模板id | |
| colTemplateName | String | 模板名称 | |
| colSubjectType | Number | 试题类型 | |
| colSubjectCount | Number | 试题数量 | |
| colDifficuteLevel | Number | 试题难度 | |
| colSubjectPoint | Number | 试题分数 | |
| **返回结果（Json）示例** | | | |
| [  {  "id": 1,  "colTemplateId": 1,  "colTemplateName": "信息安全模板",  "colSubjectType": 1,  "colSubjectCount": 2,  "colDifficuteLevel": 2,  "colSubjectPoint": 3  },  {  "id": 2,  "colTemplateId": 1,  "colTemplateName": "信息安全模板",  "colSubjectType": 1,  "colSubjectCount": 2,  "colDifficuteLevel": 1,  "colSubjectPoint": 2  },  {  "id": 3,  "colTemplateId": 1,  "colTemplateName": "信息安全模板",  "colSubjectType": 2,  "colSubjectCount": 2,  "colDifficuteLevel": 2,  "colSubjectPoint": 2  },  {  "id": 4,  "colTemplateId": 1,  "colTemplateName": "信息安全模板",  "colSubjectType": 2,  "colSubjectCount": 2,  "colDifficuteLevel": 1,  "colSubjectPoint": 3  }  ] [ | | | |

## 修改试卷模板

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| **生成试卷接口** | | | |
| **调用地址** | /exam-manage/ updateTemplate | | |
| **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** |
| Accept-Charset | string | xxxxx | N |
| Accept-Language | string | xxxxx | N |
| **Body参数（Json）** | | | |
| **字段名** | **类型** | **说明** | 必选项 |
| **返回结果（Json）** | | | |
| **字段名** | **类型** | **说明** | |
| id | Number | 模板详情id | |
| colTemplateId | Number | 模板id | |
| colTemplateName | String | 模板名称 | |
| colSubjectType | Number | 试题类型 | |
| colSubjectCount | Number | 试题数量 | |
| colDifficuteLevel | Number | 试题难度 | |
| colSubjectPoint | Number | 试题分数 | |
| **请求示例** | | | |
| [{ "id": 1, "colTemplateName": "信息安全模板", "colCreateTime": 2147483647, "colCreator": "test", "details": [{ "id": 1, "colTemplateId": 1, "colTemplateName": "信息安全模板", "colSubjectType": 1, "colSubjectCount": 2, "colDifficuteLevel": 2, "colSubjectPoint": 3 }, { "id": 2, "colTemplateId": 1, "colTemplateName": "信息安全模板", "colSubjectType": 1, "colSubjectCount": 2, "colDifficuteLevel": 1, "colSubjectPoint": 2 }, { "id": 3, "colTemplateId": 1, "colTemplateName": "信息安全模板", "colSubjectType": 2, "colSubjectCount": 2, "colDifficuteLevel": 2, "colSubjectPoint": 2 }, { "id": 4, "colTemplateId": 1, "colTemplateName": "信息安全模板", "colSubjectType": 2, "colSubjectCount": 2, "colDifficuteLevel": 1, "colSubjectPoint": 3 }] }] | | | |
| **返回结果（Json）示例** | | | |
| [  {  "id": 1,  "colTemplateId": 1,  "colTemplateName": "信息安全模板",  "colSubjectType": 1,  "colSubjectCount": 2,  "colDifficuteLevel": 2,  "colSubjectPoint": 3  },  {  "id": 2,  "colTemplateId": 1,  "colTemplateName": "信息安全模板",  "colSubjectType": 1,  "colSubjectCount": 2,  "colDifficuteLevel": 1,  "colSubjectPoint": 2  },  {  "id": 3,  "colTemplateId": 1,  "colTemplateName": "信息安全模板",  "colSubjectType": 2,  "colSubjectCount": 2,  "colDifficuteLevel": 2,  "colSubjectPoint": 2  },  {  "id": 4,  "colTemplateId": 1,  "colTemplateName": "信息安全模板",  "colSubjectType": 2,  "colSubjectCount": 2,  "colDifficuteLevel": 1,  "colSubjectPoint": 3  }  ] [ | | | |

## 新增试卷模板

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| --- | --- | --- | --- |
| **生成试卷接口** | | | |
| **调用地址** | /exam-manage/ examTemplates | | |
| **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** |
| Accept-Charset | string | xxxxx | N |
| Accept-Language | string | xxxxx | N |
| **Body参数（Json）** | | | |
| **字段名** | **类型** | **说明** | 必选项 |
| **返回结果（Json）** | | | |
| **字段名** | **类型** | **说明** | |
| **请求示例** | | | |
| [{ "id": 1, "colTemplateName": "信息安全模板", "colCreateTime": 2147483647, "colCreator": "test", "details": [{ "id": 1, "colTemplateId": 1, "colTemplateName": "信息安全模板", "colSubjectType": 1, "colSubjectCount": 2, "colDifficuteLevel": 2, "colSubjectPoint": 3 }, { "id": 2, "colTemplateId": 1, "colTemplateName": "信息安全模板", "colSubjectType": 1, "colSubjectCount": 2, "colDifficuteLevel": 1, "colSubjectPoint": 2 }, { "id": 3, "colTemplateId": 1, "colTemplateName": "信息安全模板", "colSubjectType": 2, "colSubjectCount": 2, "colDifficuteLevel": 2, "colSubjectPoint": 2 }, { "id": 4, "colTemplateId": 1, "colTemplateName": "信息安全模板", "colSubjectType": 2, "colSubjectCount": 2, "colDifficuteLevel": 1, "colSubjectPoint": 3 }] }] | | | |
| **返回结果（Json）示例** | | | |

## 删除试卷模板

|  |  |  |  |
| --- | --- | --- | --- |
| **生成试卷接口** | | | |
| **调用地址** | /exam-manage/ deleteTemPlate | | |
| **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** |
| Accept-Charset | string | xxxxx | N |
| Accept-Language | string | xxxxx | N |
| **Body参数（Json）** | | | |
| **字段名** | **类型** | **说明** | 必选项 |
| **返回结果（Json）** | | | |
| **字段名** | **类型** | **说明** | |
| **id** | **Number** | **模板id** | |
| **请求示例** | | | |
| **返回结果（Json）示例** | | | |

## 提交试卷

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| --- | --- | --- | --- | --- | --- | --- |
| **题库查询接口(根据题库id)** | | | | | | |
| **调用地址** | /paper-manage / submitExamPaper | | | | | |
| **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** | | | 必选项 |
| **Body参数（Json）示例** | | | | | | |
| **answers** | | **数组** | | **提交答案** |  | |
| **beginTime** | | **Number** | | **考试开始时间** |  | |
| **endTime** | | **Number** | | **考试结束时间** |  | |
| **examPaperId** | | **Number** | | **试卷id** |  | |
| **ownerId** | | **Number** | | **考试人** |  | |
|  | |  | |  |  | |
| {"answers":  [{"subjectId":114,"submitAnswer":14},  {"subjectId":110,"submitAnswer":14},  {"subjectId":109,"submitAnswer":14},  {"subjectId":111,"submitAnswer":14}],  "beginTime":201802036212,  "endTime":201802036212,  "examPaperId":21,  "ownerId":0} | | | | | | |
| **返回结果（Json）** | | | | | | |
| **字段名** | **类型** | | **说明** | | | |
| **返回结果（Json）示例** | | | | | | |
| **{**  **"resultCode": "0",**  **"resultDesc": "成功"**  **}** | | | | | | |

# 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 |