齐鲁教师2025开放平台对接文档

示例代码仓库[https://gitee.com/qlteacher/otoel-open-api-demo]

接口5对应接口文档中第二节上传文件

获取活动结构

GET 获取活动结构

GET /otoel-base-info/activity/structures/{actId}

请求参数

名称	位置	类型	必选	说明
actId	path	string	否	活动标识，如山东2025活动为 sd2025
catalogId	query	string	否	材料类型标识
adviserCount	query	integer	否	指导教师数量上限

返回示例

200 Response

```
[
  {
    "id": "string",
    "activityId": "string",
    "name": "string",
    "sort": 0,
    "maxFileCount": 0,
    "summary": "string",
    "type": "string",
    "limit": [
      {
        "fileName": "string",
        "fileSize": 0,
        "fileFormat": "string",
        "maxCount": 0
      }
    ],
    "show": true,
    "ext": {}
  }
]
```

返回结果

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200 OK □□ Inline

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□□□ **200**

名称	类型	必选 约束	中文名	说明
字段	[ActLessonCaseStructureInfoVO]	false none		none
» 课程结构信息info字段	ActLessonCaseStructureInfoVO	false none 课程结构信息info字段		none
»» id	string	false none 课程结构信息id		none
»» activityId	string	false none 活动Id		2025初中数学□sd2025
»» name	string	false none 名称		none
»» sort	integer	false none 排序		none
»» maxFileCount	integer	false none 最大文件数		none
»» summary	string	false none 简介		none
»» type	string	false none 类型		ENUM('directory', 'data', 'info') 目录、资料、信息三种类型
»» limit	[LessonCaseStructureLimitDTO]	false none 限制		none
»»» 课程结构限制条件DTO	LessonCaseStructureLimitDTO	false none 课程结构限制条件DTO none
»»»» fileName	string	false none 文件名称		none
»»»» fileSize	integer	false none 文件大小		none
»»»» fileFormat	string	false none 文件格式		none
»»»» maxCount	integer	false none 最大文件数		none
»» show	boolean	false none 是否显示		none
»» ext	object	false none 扩展信息		none

GET □□□□□□□

GET /otoel-base-info/teacher/{actId}

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名称	位置	类型 必选	说明
actId	path	string 是	活动标识
cardnum	query	string 否	教师登录帐号
name	query	string 否	教师姓名

□□□□

200 Response

```
{
  "userId": "string",
  "userName": "string",
  "schoolId": "string",
  "schoolName": "string"
}
```

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200 OK □□ SimpleTeacherInfo

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POST □□□□□□□

POST /otoel-upload/lesson/apply

□□□□□□□□□□□□□□□□□catalogId□□□□□□□activityId□□□□□□□□□adviserCount□□□□□□□□□□□□□□□□□□□□□□□□□□□json□□□□□□□□□□□□#{|□□□|}□□□□□□□□□#{lessonName}□□□□□□□□□json□□□□directory□□□info□□□□□□□□□□□□□□□□□spring□spEL□□□□□□□□□□□□□□□□□□□json□□□□ □□□□□□□□□JSON□□□□

```json
{
  "id": "2262656358362906624",
  "title": "#{lesson_title}",
  "tags":
  #{
  lesson_tags
}, //□□json□□□□□
"summary": "#{lesson_summary}",
"schoolId": "#{school_id}",
"activityId": "sd2025",
"authors": #{lesson_authors}, //□□json□□□□□
"ranking": #{
lesson_ranking
},
"structure": [
{
"id": "2262656358362906625",
"name": "□□□□□□",
"type": "directory",
"sort": 0,
"children": [
{
"name": "□□□□",
"type": "info",
"sort": 0,
"title": "#{structure_0_0_title}",
"summary": "#{structure_0_0_summary}",
"lecturerId": "#{structure_0_0_lecturer_id}",
"lecturerName": "#{structure_0_0_lecturer_name}"
},
{
"name": "□□□□",
"type": "data",
"sort": 1,
"require": true,
"maxFileCount": 3,
"limit": [
{
"type": "video",
"maxSize": 500,
"maxCount": 1
},
{
"type": "pdf",
"maxSize": 100,
"maxCount": 3
},
{
"type": "doc",
"maxSize": 100,
"maxCount": 3
}
]
}
]
}
]
}
```

□□□java□□□□□□□□□□□

```java
public static String markSPEL(String template) {
    ExpressionParser parser = new SpelExpressionParser();
    ParserContext parserContext = new TemplateParserContext();
    Expression expression = parser.parseExpression(template, parserContext);
    //□□□□□□□□□□
    EvaluationContext context = new StandardEvaluationContext();
    context.setVariable("lesson_title", "□□□□□□□□□");
```

```
        context.setVariable("lesson_tags", JSON.toJSON(new String[]{"□□", "□□", "□□", "□□□□"})); //□□□□□□□□□□□□□□json□□□□
        context.setVariable("summary", "□□□□□□□□□□□□□□□□□□□□□□□□□□□..");
        context.setVariable("authors", JSON.toJSON(new Teacher[]{new Teacher("#masterId#", "master"), new Teacher("#lecturerId#", "lecturer")})); //□□□□□□□□□□□□json□□□□□□□□□□□userId:□□□□□type□□□□□□□□□=master□ □□□=lecturer□□□=member□□□□□=adviser□
        ...
    //□□□□□□
    return expression.getValue(context).toString();
}
```

Body □□□□

```
catalogId: "#catalogId#"
activityId: sd2025
adviserCount: 1
```

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□□	□□	□□	□□	□□
body	body	object	□	none
» catalogId	body	string	□	□□□□□□□
» activityId	body	string	□	□□□□□(□□□□□sd2025)
» adviserCount	body	string	□	□□□□□□□□□

□□□□

200 Response

```
{
  "id": "string",
  "title": "string",
  "tags": [
    "string"
  ],
  "summary": "string",
  "schoolId": "string",
  "activityId": "string",
  "authors": [
    {
      "userId": "string",
      "type": "master"
    }
  ],
  "ranking": 0,
  "viewUrl": "string",
  "status": "create",
  "structure": [
    {
      "id": "string",
      "activityId": "string",
      "lessonCaseId": "string",
      "lessonCaseStructureId": "string",
      "name": "string",
      "type": "directory",
      "sort": 0,
      "require": true,
      "maxFileCount": 0,
      "limit": [
        {
          "type": "video",
          "maxSize": 0,
          "maxCount": 0
        }
      ],
      "content": [
        {
          "url": "string",
          "showUrl": "string",
          "type": "string",
          "fileName": "string",
          "status": "string"
        }
      ],
      "title": "string",
      "summary": "string",
```

```
        "lecturerId": "string",
        "lecturerName": "string",
        "children": [
          {
            "id": "string",
            "activityId": "string",
            "lessonCaseId": "string",
            "lessonCaseStructureId": "string",
            "name": "string",
            "type": "directory",
            "sort": 0,
            "require": true,
            "maxFileCount": 0,
            "limit": [
              {}
            ],
            "content": [
              {}
            ],
            "title": "string",
            "summary": "string",
            "lecturerId": "string",
            "lecturerName": "string",
            "children": [
              {}
            ]
          }
        ]
      }
    ]
  }
}
```

返回结果

状态码	状态码含义	说明	数据模型
200	<u>OK</u>	成功	<u>UpdateLessionCaseInfo</u>

POST 提交课程案例

POST /otoel-upload/lesson/submit

该接口用于提交课程案例，提交后课程案例将进入审核状态，审核通过后课程案例将正式上线，审核不通过课程案例将退回到草稿状态。

> Body 请求参数

```
{
  "id": "74",
  "title": "课程名称",
  "tags": null,
  "summary": "Ut in",
  "schoolId": "53",
  "activityId": "sd2025",
  "catalogId": "39",
  "authors": [
    {
      "userId": "74",
      "schoolId": "5",
      "type": "master"
    },
    {
      "userId": "99",
      "schoolId": "47",
      "type": "lecture"
    },
    {
      "userId": "71",
      "schoolId": "51",
      "type": "master"
    }
  ],
  "ranking": 46,
  "structure": [
    {
      "activityId": "sd2025",
```

```json
        "lessonCaseStructureId": "37",
        "name": "░░░░",
        "type": "directory",
        "sort": 54,
        "maxFileCount": 82,
        "summary": "adipisicing",
        "limit": [
            {
                "type": "media",
                "maxSize": 13
            },
            {
                "type": "image",
                "maxSize": 16
            }
        ],
        "content": [
            {
                "url": "http://mjmo.ni/psrlq",
                "showUrl": "http://ctx.ws/mfy",
                "type": "amet",
                "fileName": "░░░░░",
                "status": "waiting"
            },
            {
                "url": "http://vubnji.hr/pqjqzobc",
                "showUrl": "http://cyynk.aero/lge",
                "type": "fugiat in proident",
                "fileName": "░░░░░░",
                "status": "transition"
            },
            {
                "url": "http://nvitjo.cg/urgqssc",
                "showUrl": "http://hcctwwxeam.sm/dnosb",
                "type": "ut voluptate fugiat aliquip Lorem",
                "fileName": "░░░",
                "status": "ready"
            }
        ],
        "title": "░░░░░░░",
        "lecturerId": "5",
        "lecturerName": "░░░░░░░"
    },
    {
        "activityId": "91",
        "lessonCaseStructureId": "85",
        "name": "░░░░░",
        "type": "data",
        "sort": 66,
        "maxFileCount": 57,
        "summary": "magna et nostrud labore dolor",
        "limit": [
            {
                "type": "media",
                "maxSize": 68
            }
        ],
        "content": [
            {
                "url": "http://kgoxabkhe.fj/doojppyfip",
                "showUrl": "http://bqem.ni/cixqoczv",
                "type": "in ea",
                "fileName": "░░░░░░",
                "status": "transition"
            },
            {
                "url": "http://xygxtx.ro/nluoiljcd",
                "showUrl": "http://mqqdxnkj.mg/tpl",
                "type": "eu voluptate laboris aliqua ut",
                "fileName": "░░░░",
                "status": "transition"
            }
        ],
        "title": "░░░░░░░",
        "lecturerId": "89",
        "lecturerName": "░░░░░░"
    }
  ]
}
```

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body body [UpLessionCaseInfoParam](#) □ 　□□□□□□ none

　□□□□

　200 Response

```json
{
  "id": "string",
  "title": "string",
  "tags": [
    "string"
  ],
  "summary": "string",
  "schoolId": "string",
  "activityId": "string",
  "authors": [
    {
      "userId": "string",
      "type": "master"
    }
  ],
  "ranking": 0,
  "viewUrl": "string",
  "status": "create",
  "structure": [
    {
      "id": "string",
      "activityId": "string",
      "lessonCaseId": "string",
      "lessonCaseStructureId": "string",
      "name": "string",
      "type": "directory",
      "sort": 0,
      "require": true,
      "maxFileCount": 0,
      "limit": [
        {
          "type": "video",
          "maxSize": 0,
          "maxCount": 0
        }
      ],
      "content": [
        {
          "url": "string",
          "showUrl": "string",
          "type": "string",
          "fileName": "string",
          "status": "string"
        }
      ],
      "title": "string",
      "summary": "string",
      "lecturerId": "string",
      "lecturerName": "string",
      "children": [
        {
          "id": "string",
          "activityId": "string",
          "lessonCaseId": "string",
          "lessonCaseStructureId": "string",
          "name": "string",
          "type": "directory",
          "sort": 0,
          "require": true,
          "maxFileCount": 0,
          "limit": [
            {}
          ],
          "content": [
            {}
          ],
```

```
          "title": "string",
          "summary": "string",
          "lecturerId": "string",
          "lecturerName": "string",
          "children": [
            {}
          ]
        }
      ]
    }
  ]
}
```

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200   OK   □□ <u>UpdateLessionCaseInfo</u>

GET □□□□□□

GET /otoel-upload/lesson/info/{id}

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id   path string □   □□□□

         □□□□

       200 Response

```
{
  "id": "string",
  "title": "string",
  "tags": [
    "string"
  ],
  "summary": "string",
  "schoolId": "string",
  "activityId": "string",
  "authors": [
    {
      "userId": "string",
      "type": "master"
    }
  ],
  "ranking": 0,
  "viewUrl": "string",
  "status": "create",
  "structure": [
    {
      "id": "string",
      "activityId": "string",
      "lessonCaseId": "string",
      "lessonCaseStructureId": "string",
      "name": "string",
      "type": "directory",
      "sort": 0,
      "require": true,
      "maxFileCount": 0,
      "limit": [
        {
          "type": "video",
          "maxSize": 0,
          "maxCount": 0
        }
      ],
      "content": [
        {
          "url": "string",
          "showUrl": "string",
          "type": "string",
```

```
          "fileName": "string",
          "status": "string"
        }
      ],
      "title": "string",
      "summary": "string",
      "lecturerId": "string",
      "lecturerName": "string",
      "children": [
        {
          "id": "string",
          "activityId": "string",
          "lessonCaseId": "string",
          "lessonCaseStructureId": "string",
          "name": "string",
          "type": "directory",
          "sort": 0,
          "require": true,
          "maxFileCount": 0,
          "limit": [
            {}
          ],
          "content": [
            {}
          ],
          "title": "string",
          "summary": "string",
          "lecturerId": "string",
          "lecturerName": "string",
          "children": [
            {}
          ]
        }
      ]
    }
  ]
}
```

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200 [OK](#)	□□ [UpdateLessionCaseInfo](#)

GET □□□□□□□□□

GET /otoel-upload/lessons/check/{id}

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id	path	string	□		□□□□

□□□□

200 Response

```
[
  "string"
]
```

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□□□ □□□□□□ □□ □□□□
200 [OK](#) □□ □□□

□□□□□□

PUT □□□□□□□□□

PUT /otoel-upload/lessons/cover/{id}

Body 请求参数

```
{
  "key": "string",
  "domain": "string"
}
```

请求参数

名称	位置	类型	必选	中文名	说明
id	path	string	否		口口口口
body	body	ResourceUpdateParam	否	口口口口口口	none

返回示例

> 200 Response

```
true
```

口口口口口口口口口 3M口口口口jpg口png口口口口口口口 4:3

返回结果

状态码	状态码含义	说明	数据模型
200	OK	口口	boolean

POST 口口口口口口口口

POST /otoel-upload/lessons/cover/{id}

请求参数

名称	位置	类型	必选	中文名	说明
id	path	string	否		口口口口
fileName	query	string	否		口口口口

返回示例

> 200 Response

```
{
  "signature": "string",
  "signatureUrl": "string",
  "key": "string",
  "domain": "string",
  "region": "string"
}
```

返回结果

状态码	状态码含义	说明	数据模型
200	OK	口口	SignatureVO

DELETE 口口口口

DELETE /otoel-upload/lesson/{id}

请求参数

id   path string □   □□□□

□□□□

200 Response

```
{
  "code": 0,
  "msg": "string",
  "data": true
}
```

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200   [OK]   □□ □□□□□□□

□□□□□□

□□□ **200**

□□	□□	□□ □□	□□□	□□
» code number	true none □□□	none
» msg string¦null true none □□	none
» data boolean   true none □□□□□ none

POST □□□□□□□□□□□□□□□

POST /otoel-upload/lessons/structure/{id}/{structureId}

Body □□□□

```
[
  {
    "index": 0,
    "type": "media"
  }
]
```

□□□□

□□	□□	□□	□□ □□□□	□□
id	path	string	□	□□□□
structureId	path	string	□	□□□□□□□
body	body	[ApplyStructureItemParam]	□	none

□□□□

200 Response

```
[
  {
    "id": "string",
    "structureId": "string",
    "index": 0,
    "signature": {
      "signature": "string",
      "signatureUrl": "string",
      "key": "string",
      "domain": "string",
      "region": "string"
    }
  }
```

]

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200 OK   □□ Inline

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□□□ **200**

□□	□□	□□	□□	□□□	□□
anonymous	[StructureSignatureVO]	false	none		none
» □□□□□□□□□□□□ StructureSignatureVO		false	none	□□□□□□□□□□□□	none
»» id	string	true	none	□□□□□□□□	none
»» structureId	string	true	none	□□□□□	none
»» index	integer	true	none	□□/□□	none
»» signature	SignatureVO	true	none	□□□□	none
»»» signature	string¦null	false	none	□□	none
»»» signatureUrl	string¦null	true	none	□□□□	□□□□□□□□□
»»» key	string	true	none	□□key	□□□□□ sessionKey□□□□□□□□□ key□□
»»» domain	string¦null	false	none	□□	none
»»» region	string	true	none	□□□	□□□□□□□□□□□□□ region□□

PUT □□□□□□□□□□□□□□

PUT /otoel-upload/lessons/structures/{id}

□□□□□□□□□□□□□ fileId□□□□□□□ api□□□□□□□□□□□□□□ fileId□□□□□□□□□□□□ fileId(□□□)□□□□□□ api□□□□ fileId

> Body □□□□

```
[
  {
    "structureId": "string",
    "index": 0,
    "key": "string",
    "domain": "string"
  }
]
```

□□□□

□□	□□	□□	□□	□□□	□□
id	path	string	□	□□□□	
body	body	UpdataStructureItemParam	□	none	

> □□□□

> 200 Response

```
true
```

□□□□

□□□ □□□□□□ □□ □□□□

200 OK   □□ boolean

GET □□□□□□□□□□□□□□

GET /otoel-upload/lessons/page

> Body □□□□

```
{ }
```

□□□□

□□	□□	□□	□□	□□□	□□
activityId	query	string	□	□□□□	none
regionId	query	string	□	□□□□	none
state	query	string	□	□□□□	none
pageSize	query	string	□	□□□□	none
pageIndex	query	string	□	□□	none
count	query	string	□	□□□□□□□	none

> □□□□

> 200 Response

```
[
  {
    "id": "string",
    "title": "string",
    "tags": [
      "string"
    ],
    "summary": "string",
    "schoolId": "string",
    "activityId": "string",
    "authors": [
      {
        "userId": "string",
        "type": "master"
      }
    ],
    "ranking": 0,
    "viewUrl": "string",
    "status": "create",
    "status-stat": {
      "waiting": 0,
      "transition": 0,
      "finish": 0
    }
  }
]
```

□□□□

□□□ □□□□□□ □□ □□□□			
200	OK	□□	Inline

□□□□□□

□□□ **200**

□□	□□	□□ □□	□□□	□□
ClassBaseInfo[] []		false none		none
» □□□□□□	ClassBaseInfo	false none □□□□□□		none
»» id	string	true none ID □□		none

□□	□□	□□	□□	□□□	□□
»» title	string	true	none	□□	none
»» tags	[string]	true	none	□□	none
»» summary	string	true	none	□□	none
»» schoolId	string	true	none	□□□□	none
»» activityId	string	true	none	□□□□	none
»» authors	[CreativeTeam]	true	none	□□□□	none
»»» □□□□□□	CreativeTeam	false	none	□□□□□□	none
»»»» userId	string	true	none	□□□□	none
»»»» type	string	true	none	□□	none
»» ranking	number	true	none	□□□	□□□□□
»» viewUrl	string	true	none	□□□□	none
»» status	string	true	none	□□□□	none
»» status-stat	FileStatusState	false	none	□□□□□□	none
»»» waiting	integer	true	none	□□□□	none
»»» transition	integer	true	none	□□□	none
»»» finish	integer	true	none	□□□	none

□□□

□□	□
type	master
type	lecture
type	member
type	adviser
status	create
status	improving
status	confirmed
status	included
status	error

DELETE □□□□□□□□□□

DELETE /otoel-upload/lessons/structure/{id}/{structureId}/{index}

□□□□

□□	□□	□□	□□	□□□	□□
id	path	string	□	□□□□	
structureId	path	string	□	□□□□□□□	
index	path	string	□	□□□□ 0~n	

□□□□

200 Response

```
true
```

□□□□

□□□ □□□□□□ □□ □□□□

200	OK	□□ boolean

PUT □□□□□□

PUT /otoel-upload/lessons/confirm/{id}

> Body □□□□

```
signature: □□□□□□□□□□□□□□□□□□□□□□□
```

□□□□

□□	□□	□□	□□	□□□□	□□
id	path	string	□		□□
» signature	body	string	□		□□□□

> □□□□

> 200 Response

```
true
```

□□□□

□□□	□□□□□□	□□	□□□□
200	[OK](#)	□□	boolean

□ □ □ □

FileStatusState

```
{
  "waiting": 0,
  "transition": 0,
  "finish": 0
}
```

□□□□□□

□□

□□	□□	□□	□□	□□□□	□□
waiting	integer	true	none	□□□□	none
transition	integer	true	none	□□□	none
finish	integer	true	none	□□□	none

LessonCaseStructureLimitDTO

```
{
  "fileName": "string",
  "fileSize": 0,
  "fileFormat": "string",
  "maxCount": 0
}
```

□□□□□□□□DTO

□□

名称	类型	必选	约束	中文名	说明
fileName	string	false	none	□□□□	none
fileSize	integer	false	none	□□□□	none
fileFormat	string	false	none	□□□□	none
maxCount	integer	false	none	□□□□□	none

UpLessonCaseItemParam

```
{
  "activityId": "string",
  "lessonCaseStructureId": "string",
  "name": "string",
  "type": "directory",
  "sort": 0,
  "maxFileCount": 0,
  "summary": "string",
  "limit": [
    {
      "type": "media",
      "maxSize": 0
    }
  ],
  "content": [
    {
      "url": "string",
      "showUrl": "string",
      "type": "string",
      "fileName": "string",
      "status": {}
    }
  ],
  "title": "string",
  "lecturerId": "string",
  "lecturerName": "string",
  "children": {
    "activityId": "string",
    "lessonCaseStructureId": "string",
    "name": "string",
    "type": "directory",
    "sort": 0,
    "maxFileCount": 0,
    "summary": "string",
    "limit": [
      {
        "type": "media",
        "maxSize": 0
      }
    ],
    "content": [
      {
        "url": "string",
        "showUrl": "string",
        "type": "string",
        "fileName": "string",
        "status": {}
      }
    ],
    "title": "string",
    "lecturerId": "string",
    "lecturerName": "string",
    "children": {
      "activityId": "string",
      "lessonCaseStructureId": "string",
      "name": "string",
      "type": "directory",
      "sort": 0,
```

```json
      "maxFileCount": 0,
      "summary": "string",
      "limit": [
        {
          "type": "[",
          "maxSize": 0
        }
      ],
      "content": [
        {
          "url": "string",
          "showUrl": "string",
          "type": "string",
          "fileName": "string",
          "status": {}
        }
      ],
      "title": "string",
      "lecturerId": "string",
      "lecturerName": "string",
      "children": {
        "activityId": "string",
        "lessonCaseStructureId": "string",
        "name": "string",
        "type": "directory",
        "sort": 0,
        "maxFileCount": 0,
        "summary": "string",
        "limit": [
          {}
        ],
        "content": [
          {}
        ],
        "title": "string",
        "lecturerId": "string",
        "lecturerName": "string",
        "children": {
          "activityId": null,
          "lessonCaseStructureId": null,
          "name": null,
          "type": null,
          "sort": null,
          "maxFileCount": null,
          "summary": null,
          "limit": null,
          "content": null,
          "title": null,
          "lecturerId": null,
          "lecturerName": null,
          "children": null
        }
      }
    }
  }
}
```

□□□□□□□□□

□□

□□	□□	□□	□□	□□□	□□
activityId	string	true	45□□	□□□□	none
lessonCaseStructureId	string	true	45□□	□□□□□	none
name	string	true	none	□□	none
type	string	true	none	□□	none
sort	integer	true	none	□□	none
maxFileCount	integer	true	none	□□□	none
summary	string	true	500□□	□□	none
limit	[object]	false	none	□□	□□type□□data□□□
» type	string	true	none	□□	none

□□	□□	□□	□□	□□□	□□
» maxSize	integer	true	none	□□□□	none
content	[object]	false	none	□□	□□type□□data□□□
» url	string	false	none	□□□	none
» showUrl	string	false	none	□□□□	none
» type	string	false	none	□□□□	none
» fileName	string	true	none	□□□	none
» status	object	true	none	□□□□	none
title	string	false	none	□□	□□type□□info□□□
lecturerId	string	false	none	□□□□	□□type□□info□□□
lecturerName	string	false	none	□□□□	□□type□□info□□□
children	UpLessonCaseItemParam	true	none		none

□□□

□□	□	□□
type	directory	□□□□
type	data	□□□□
type	info	□□□□

FileStatusEnum

```
"waiting"
```

□□□□

□□□

□□	□	□□
□□□□	waiting	□□□□
□□□□	transition	□□□□
□□□□	finish	□□□□
□□□□	error	□□□□

StructureResourceItem

```
{
  "url": "string",
  "showUrl": "string",
  "type": "string",
  "fileName": "string",
  "status": "string"
}
```

□□□□□□□□

□□

□□	□□	□□	□□	□□□	□□
url	string	false	none	□□□□	none
showUrl	string	false	none	□□□□□	none

名称	类型	必选	约束	中文名	说明
type	string	false	none	□□□□	none
fileName	string	false	none	□□□	none
status	string	false	none	□□□□	none

FileTypeEnum

□□□□

□□□

属性	值	说明
□□□□	video	□□□mp4□□□
□□□□	pdf	
□□□□	ppt	□□ppt□pptx
□□□□	doc	□□doc□docx
□□□□	xls	□□xls□xlsx
□□□□	file	□□□□zip□rar□tar□gz□□□□□□□
□□□□	image	□□jpg□jpeg□png□□□□□□□□□□□

UpdataLessonItemVo

```
{
  "id": "string",
  "activityId": "string",
  "lessonCaseId": "string",
  "lessonCaseStructureId": "string",
  "name": "string",
  "type": "directory",
  "sort": 0,
  "require": true,
  "maxFileCount": 0,
  "limit": [
    {
      "type": "video",
      "maxSize": 0,
      "maxCount": 0
    }
  ],
  "content": [
    {
      "url": "string",
      "showUrl": "string",
      "type": "string",
      "fileName": "string",
      "status": "string"
    }
  ],
  "title": "string",
  "summary": "string",
  "lecturerId": "string",
  "lecturerName": "string",
  "children": [
    {
      "id": "string",
      "activityId": "string",
      "lessonCaseId": "string",
      "lessonCaseStructureId": "string",
      "name": "string",
      "type": "directory",
      "sort": 0,
      "require": true,
      "maxFileCount": 0,
```

```json
        "limit": [
          {
            "type": "video",
            "maxSize": 0,
            "maxCount": 0
          }
        ],
        "content": [
          {
            "url": "string",
            "showUrl": "string",
            "type": "string",
            "fileName": "string",
            "status": "string"
          }
        ],
        "title": "string",
        "summary": "string",
        "lecturerId": "string",
        "lecturerName": "string",
        "children": [
          {
            "id": "string",
            "activityId": "string",
            "lessonCaseId": "string",
            "lessonCaseStructureId": "string",
            "name": "string",
            "type": "directory",
            "sort": 0,
            "require": true,
            "maxFileCount": 0,
            "limit": [
              {}
            ],
            "content": [
              {}
            ],
            "title": "string",
            "summary": "string",
            "lecturerId": "string",
            "lecturerName": "string",
            "children": [
              {}
            ]
          }
        ]
      }
    ]
  }
}
```

□□□□□□

□□

□□	□□	□□	□□	□□□	□□
id	string	true	none	□□	none
activityId	string	true	none	□□□□	none
lessonCaseId	string	true	none	□□□□	none
lessonCaseStructureId	string	true	none	□□□□□	none
name	string	true	none	□□	none
type	string	true	none	□□	none
sort	integer	true	none	□□	none
require	boolean	true	none	□□□□	□□type□□□directory□□□
maxFileCount	integer	true	none	□□□	□□type□□□directory□□□
limit	[object]	false	none	□□	□□type□□data□□□
» type	[FileTypeEnum](#)	true	none	□□	none
» maxSize	integer	true	none	□□□□	none
» maxCount	integer	true	none	□□□□	none

□□	□□	□□	□□	□□□	□□
content	[StructureResourceItem]	false none	□□		□□type□□data□□□
title	string	false none	□□		□□type□□info□□□
summary	string	false none	□□		□□type□□info□□□
lecturerId	string	false none	□□□□		□□type□□info□□□
lecturerName	string	false none	□□□□		□□type□□info□□□
children	[UpdataLessonItemVo]	false none			none

□□□

□□	□
type	directory
type	data
type	info

CreativeTeam

```
{
  "userId": "string",
  "type": "master"
}
```

□□□□□

□□

□□	□□	□□	□□	□□□	□□
userId	string	true	none	□□□□	none
type	string	true	none	□□	none

□□□

□□	□	□□
type	master	□□□
type	lecture	□□□
type	member	□□□
type	adviser	□□□□

ClassBaseInfo

```
{
  "id": "string",
  "title": "string",
  "tags": [
    "string"
  ],
  "summary": "string",
  "schoolId": "string",
  "activityId": "string",
  "authors": [
    {
      "userId": "string",
      "type": "master"
    }
  ],
  "ranking": 0,
```

```
    "viewUrl": "string",
    "status": "create",
    "status-stat": {
      "waiting": 0,
      "transition": 0,
      "finish": 0
    }
}
```

□□□□□

□□

□□	□□	□□	□□	□□□	□□
id	string	true	none	ID □□	none
title	string	true	none	□□	none
tags	[string]	true	none	□□	none
summary	string	true	none	□□	none
schoolId	string	true	none	□□□□	none
activityId	string	true	none	□□□□	none
authors	[CreativeTeam]	true	none	□□□□	none
ranking	number	true	none	□□□	□□□□□
viewUrl	string	true	none	□□□□	none
status	string	true	none	□□□□	none
status-stat	FileStatusState	false	none	□□□□□□	none

□□□

□□	□	□□
status	create	□□□□
status	improving	□□□
status	confirmed	□□□□
status	included	□□□□
status	error	□□

ApiLessonSearchParam

```
{
  "actityId": "string",
  "regionId": "string",
  "state": "string",
  "pageSize": "string",
  "pageIndex": "string",
  "count": "string"
}
```

□□□□□□□

□□

□□	□□	□□	□□	□□□	□□
actityId	string	true	none	□□□□	none
regionId	string	true	none	□□□□	none
state	string	true	none	□□□□	none
pageSize	string	true	none	□□□□	none
pageIndex	string	true	none	□□	none

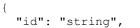| 名称	类型	必选	约束	中文名	说明
count	string	true	none	□□□□□□	none

UpdataStructureItemParam

```json
{
  "structureId": "string",
  "index": 0,
  "key": "string",
  "domain": "string",
  "region": "string",
  "fileName": "string",
  "fileSize": 0
}
```

□□□□□□□□□

属性

名称	类型	必选	约束	中文名	说明
structureId	string	true	none	□□□□□	none
index	integer	true	none	□□□□	none
key	string	true	none	□□□□	□□□□□□□fileId
domain	string	false	none	□□	□□□□□□□□□□□□appId
region	string	false	none	□□□	□□□□□□□□□□□□
fileName	string	true	none	□□□	none
fileSize	integer	true	none	□□□□	none

SignatureVO

```json
{
  "signature": "string",
  "signatureUrl": "string",
  "key": "string",
  "domain": "string",
  "region": "string"
}
```

□□□□□□

属性

名称	类型	必选	约束	中文名	说明
signature	string¦null	false	none	□□	none
signatureUrl	string¦null	true	none	□□□□	□□□□□□□□□
key	string	true	none	□□key	□□□□□sessionKey□□□□□□□□□□key□□
domain	string¦null	false	none	□□	none
region	string	true	none	□□□	□□□□□□□□□□□□□□region□□

StructureSignatureVO

```json
{
  "id": "string",
```
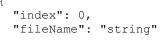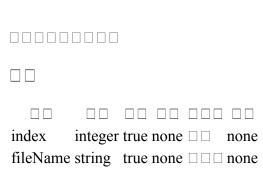
```
    "structureId": "string",
    "index": 0,
    "signature": {
      "signature": "string",
      "signatureUrl": "string",
      "key": "string",
      "domain": "string",
      "region": "string"
    }
  }
}
```

□□□□□□□□□

□□

名称	类型	必选 约束	中文名	说明
id	string	true none	□□□□□□□	none
structureId	string	true none	□□□□□	none
index	integer	true none	□□/□□	none
signature	[SignatureVO](#)	true none	□□□□	none

ActCatalogInfoVO

```
{
  "id": "string",
  "activityId": "string",
  "catalogId": "string",
  "name": "string",
  "parentId": "string",
  "level": 0,
  "summary": "string",
  "dictItemId": "string",
  "path": "string",
  "pathName": "string"
}
```

□□□□□□

□□

名称	类型	必选 约束	中文名	说明
id	string	true none	□□□□id	ID □□
activityId	string	false none	□□Id	none
catalogId	string	false none	□□□□Id	none
name	string	false none	□□□□□□	none
parentId	string	false none	□□id	none
level	integer	false none	□□	none
summary	string	false none	□□	none
dictItemId	string	false none	□□□id	none
path	string	false none	□□	none
pathName	string	false none	□□□□	none

ApplyStructureItemParam

```
{
  "index": 0,
  "fileName": "string"
```

```
}
```

□□□□□□□□□

□□

□□	□□	□□	□□	□□□□	□□
index	integer	true	none	□□	none
fileName	string	true	none	□□□	none

ResourceUpdateParam

```
{
  "key": "string",
  "domain": "string"
}
```

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□□	□□	□□	□□	□□□□	□□
key	string	true	none	□□key	none
domain	string	true	none	□□	none

SimpleTeacherInfo

```
{
  "userId": "string",
  "userName": "string",
  "schoolId": "string",
  "schoolName": "string"
}
```

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□□	□□	□□	□□	□□□□	□□
userId	string	true	none	□□□□	none
userName	string	true	none	□□□□	none
schoolId	string	true	none	□□□□	none
schoolName	string	true	none	□□□□	none

ActLessonCaseStructureInfoVO

```
{
  "id": "string",
  "activityId": "string",
  "name": "string",
  "sort": 0,
  "maxFileCount": 0,
  "summary": "string",
```

```
    "type": "string",
    "limit": [
      {
        "fileName": "string",
        "fileSize": 0,
        "fileFormat": "string",
        "maxCount": 0
      }
    ],
    "show": true,
    "ext": {}
}
```

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□□	□□	□□	□□	□□□	□□
id	string	false	none	□□□□□□id	none
activityId	string	false	none	□□Id	none
name	string	false	none	□□	none
sort	integer	false	none	□□	none
maxFileCount	integer	false	none	□□□□□	none
summary	string	false	none	□□	none
type	string	false	none	□□	ENUM('directory', 'data', 'info') □□□□□□□□□□□□□
limit	[LessonCaseStructureLimitDTO]	false	none	□□	none
show	boolean	false	none	□□□□	none
ext	object	false	none	□□□□	none

UpLessionCaseInfoParam

```
{
  "id": "string",
  "title": "string",
  "tags": [
    "string"
  ],
  "summary": "string",
  "schoolId": "string",
  "activityId": "string",
  "catalogId": "string",
  "authors": [
    {
      "userId": "string",
      "type": "master"
    }
  ],
  "ranking": 0,
  "structures": [
    {
      "activityId": "string",
      "lessonCaseStructureId": "string",
      "name": "string",
      "type": "directory",
      "sort": 0,
      "maxFileCount": 0,
      "summary": "string",
      "limit": [
        {
          "type": "media",
          "maxSize": 0
        }
      ],
      "content": [
        {
          "url": "string",
          "showUrl": "string",
```

```
            "type": "string",
            "fileName": "string",
            "status": {}
          }
        ],
        "title": "string",
        "lecturerId": "string",
        "lecturerName": "string",
        "children": {
          "activityId": "string",
          "lessonCaseStructureId": "string",
          "name": "string",
          "type": "directory",
          "sort": 0,
          "maxFileCount": 0,
          "summary": "string",
          "limit": [
            {
              "type": null,
              "maxSize": null
            }
          ],
          "content": [
            {
              "url": null,
              "showUrl": null,
              "type": null,
              "fileName": null,
              "status": null
            }
          ],
          "title": "string",
          "lecturerId": "string",
          "lecturerName": "string",
          "children": {
            "activityId": "string",
            "lessonCaseStructureId": "string",
            "name": "string",
            "type": "[",
            "sort": 0,
            "maxFileCount": 0,
            "summary": "string",
            "limit": [
              null
            ],
            "content": [
              null
            ],
            "title": "string",
            "lecturerId": "string",
            "lecturerName": "string",
            "children": {}
          }
        }
      }
    }
  ]
}
```

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□□	□□	□□	□□	□□□	□□
id	string	false	32□□		ID □□
title	string	true	100□□	□□	none
tags	[string]	true	none	□□	none
summary	string	true	500□□	□□	none
schoolId	string	true	32□□	□□□□	none
activityId	string	true	45□□	□□□□	none
catalogId	string	true	45□□	□□□□□□	none
authors	[CreativeTeam]	true	none	□□	none

UpdateLessionCaseInfo

```
{
  "id": "string",
  "title": "string",
  "tags": [
    "string"
  ],
  "summary": "string",
  "schoolId": "string",
  "activityId": "string",
  "authors": [
    {
      "userId": "string",
      "type": "master"
    }
  ],
  "ranking": 0,
  "viewUrl": "string",
  "status": "create",
  "structure": [
    {
      "id": "string",
      "activityId": "string",
      "lessonCaseId": "string",
      "lessonCaseStructureId": "string",
      "name": "string",
      "type": "directory",
      "sort": 0,
      "require": true,
      "maxFileCount": 0,
      "limit": [
        {
          "type": "video",
          "maxSize": 0,
          "maxCount": 0
        }
      ],
      "content": [
        {
          "url": "string",
          "showUrl": "string",
          "type": "string",
          "fileName": "string",
          "status": "string"
        }
      ],
      "title": "string",
      "summary": "string",
      "lecturerId": "string",
      "lecturerName": "string",
      "children": [
        {
          "id": "string",
          "activityId": "string",
          "lessonCaseId": "string",
          "lessonCaseStructureId": "string",
          "name": "string",
          "type": "directory",
          "sort": 0,
          "require": true,
          "maxFileCount": 0,
          "limit": [
            {}
          ],
          "content": [
            {}
          ],
          "title": "string",
          "summary": "string",
```

```
          "lecturerId": "string",
          "lecturerName": "string",
          "children": [
            {}
          ]
        }
      ]
    }
  ]
}
```

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□□	□□	□□	□□	□□□	□□
id	string	true	none	ID □□	none
title	string	true	none	□□	none
tags	[string]	true	none	□□	none
summary	string	true	none	□□	none
schoolId	string	true	none	□□□□	none
activityId	string	true	none	□□□□	none
authors	[CreativeTeam]	true	none	□□□□	none
ranking	number	true	none	□□□	□□□□□
viewUrl	string	true	none	□□□□	none
status	string	true	none	□□□□	none
structure	[UpdataLessonItemVo]	true	none		none

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status	create
status	improving
status	confirmed
status	included
status	error

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```
{
  "title": "string",
  "tags": [
    "string"
  ],
  "summary": "string",
  "schoolId": "string",
  "activityId": "string",
  "catalogId": "string",
  "authors": [
    {
      "userId": "string",
      "type": "master"
    }
  ],
  "ranking": 0
}
```

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名称	类型	必选	约束	中文名	说明
title	string	true	none	口口	none
tags	[string]	false	none	口口	none
summary	string	false	none	口口	none
schoolId	string	true	none	口口口口	none
activityId	string	true	none	口口口口	none
catalogId	string	true	none	口口口口口口	none
authors	[CreativeTeam]	true	none	口口	none
ranking	number¦null	false	none	口口	none

queryActCatalogInfoParam

```
{
  "activityId": "string",
  "path": "string",
  "count": true,
  "pageIndex": 1,
  "pageSize": 1
}
```

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口口

名称	类型	必选	约束	中文名	说明
activityId	string	false	none	口口id	none
path	string	false	none	口口口口口	none
count	boolean	false	none	口口口口口口口	none
pageIndex	integer	false	none	口口口口	none
pageSize	integer	false	none	口口口口	none