1. **Get Average Points From Class**

GET /api/clazz/averagepoint/{id}

Get a class’s average points return an int value present average points

99

1. **Get Average Reading Book From Class**

GET /api/clazz/averagereadingbook/{id}

Get a class’s average reading book,return an int value present average points.

99

1. **Get summarize Class statistic**

GET /api/grade/{id}/sumstatistic

{"avgRead":12.5,"maxRead":15,"minRead":10,"avgCoin":6.5,"maxCoin":8,"minCoin":5,"avgReadWord":7.0,"maxReadWord":9,"minReadWord":5}

1. **Get Class by grade**

GET /api/grade/{id}/clazzs

[

{

"id": 1,

"creationTime": "18-04-2015",

"name": "三年（2）班",

"grade": 2,

"description": null,

"clazzStatistic": {

"id": 1,

"creationTime": "18-04-2015",

"studentNum": 0,

"avgPoints": 0,

"avgReads": 10,

"avgReadWords": 5,

"totalPoints": 0,

"totalReads": 0,

"totalReadWords": 0

}

},

{

"id": 2,

"creationTime": "18-04-2015",

"name": "二年（2）班",

"grade": 2,

"description": null,

"clazzStatistic": {

"id": 2,

"creationTime": "18-04-2015",

"studentNum": 8,

"avgPoints": 10,

"avgReads": 15,

"avgReadWords": 9,

"totalPoints": 87,

"totalReads": 21,

"totalReadWords": 0

}

}

]

1. **Get Classes by TeacherId**

GET /teachers/{teacherId}/clazzs

[

[  
 {  
 "id": 2,  
 "creationTime": "2015-06-19",  
 "name": "三年（2）班",  
 "grade": 3,  
 "description": **null**,  
 "clazzStatistic": {  
 "id": 2,  
 "creationTime": "2015-06-19",  
 "studentNum": 0,  
 "avgPoints": 0,  
 "avgReads": 0,  
 "avgReadWords": 0,  
 "totalPoints": 275,  
 "totalReads": 11,  
 "totalReadWords": 80618,  
 "totalCoin": 1235000363  
 },  
 "categoryCount": [  
 {  
 "id": 1,  
 "creationTime": "2015-06-30",  
 "dictionary": {  
 "id": 46,  
 "creationTime": "2015-04-16",  
 "type": "CATEGORY",  
 "name": "生命斑马线",  
 "value": 18,  
 "description": "生命斑马线"  
 },  
 "count": 0  
 },  
 {  
 "id": 2,  
 "creationTime": "2015-06-30",  
 "dictionary": {  
 "id": 45,  
 "creationTime": "2015-04-16",  
 "type": "CATEGORY",  
 "name": "社区小卫士",  
 "value": 17,  
 "description": "社区小卫士"  
 },  
 "count": 0  
 },  
 {  
 "id": 3,  
 "creationTime": "2015-06-30",  
 "dictionary": {  
 "id": 44,  
 "creationTime": "2015-04-16",  
 "type": "CATEGORY",  
 "name": "往哲先贤",  
 "value": 16,  
 "description": "往哲先贤"  
 },  
 "count": 0  
 },  
 {  
 "id": 4,  
 "creationTime": "2015-06-30",  
 "dictionary": {  
 "id": 43,  
 "creationTime": "2015-04-16",  
 "type": "CATEGORY",  
 "name": "艺术长廊",  
 "value": 15,  
 "description": "艺术长廊"  
 },  
 "count": 0  
 },  
 {  
 "id": 5,  
 "creationTime": "2015-06-30",  
 "dictionary": {  
 "id": 42,  
 "creationTime": "2015-04-16",  
 "type": "CATEGORY",  
 "name": "探索奥秘",  
 "value": 14,  
 "description": "探索奥秘"  
 },  
 "count": 0  
 },  
 {  
 "id": 6,  
 "creationTime": "2015-06-30",  
 "dictionary": {  
 "id": 41,  
 "creationTime": "2015-04-16",  
 "type": "CATEGORY",  
 "name": "环球旅行",  
 "value": 13,  
 "description": "环球旅行"  
 },  
 "count": 0  
 },  
 {  
 "id": 7,  
 "creationTime": "2015-06-30",  
 "dictionary": {  
 "id": 40,  
 "creationTime": "2015-04-16",  
 "type": "CATEGORY",  
 "name": "人际交往",  
 "value": 12,  
 "description": "人际交往"  
 },  
 "count": 0  
 },  
 {  
 "id": 8,  
 "creationTime": "2015-06-30",  
 "dictionary": {  
 "id": 28,  
 "creationTime": "2015-04-16",  
 "type": "CATEGORY",  
 "name": "所有类别",  
 "value": 0,  
 "description": "所有类别"  
 },  
 "count": 0  
 },  
 {  
 "id": 9,  
 "creationTime": "2015-06-30",  
 "dictionary": {  
 "id": 29,  
 "creationTime": "2015-04-16",  
 "type": "CATEGORY",  
 "name": "国学院",  
 "value": 1,  
 "description": "国学院"  
 },  
 "count": 2  
 },  
 {  
 "id": 10,  
 "creationTime": "2015-06-30",  
 "dictionary": {  
 "id": 30,  
 "creationTime": "2015-04-16",  
 "type": "CATEGORY",  
 "name": "文学苑",  
 "value": 2,  
 "description": "文学苑"  
 },  
 "count": 1  
 },  
 {  
 "id": 11,  
 "creationTime": "2015-06-30",  
 "dictionary": {  
 "id": 31,  
 "creationTime": "2015-04-16",  
 "type": "CATEGORY",  
 "name": "名人传",  
 "value": 3,  
 "description": "名人传"  
 },  
 "count": 2  
 },  
 {  
 "id": 12,  
 "creationTime": "2015-06-30",  
 "dictionary": {  
 "id": 32,  
 "creationTime": "2015-04-16",  
 "type": "CATEGORY",  
 "name": "观世界",  
 "value": 4,  
 "description": "观世界"  
 },  
 "count": 1  
 },  
 {  
 "id": 13,  
 "creationTime": "2015-06-30",  
 "dictionary": {  
 "id": 33,  
 "creationTime": "2015-04-16",  
 "type": "CATEGORY",  
 "name": "工具箱",  
 "value": 5,  
 "description": "工具箱"  
 },  
 "count": 0  
 },  
 {  
 "id": 14,  
 "creationTime": "2015-06-30",  
 "dictionary": {  
 "id": 34,  
 "creationTime": "2015-04-16",  
 "type": "CATEGORY",  
 "name": "科技馆",  
 "value": 6,  
 "description": "科技馆"  
 },  
 "count": 0  
 },  
 {  
 "id": 15,  
 "creationTime": "2015-06-30",  
 "dictionary": {  
 "id": 35,  
 "creationTime": "2015-04-16",  
 "type": "CATEGORY",  
 "name": "童话世界",  
 "value": 7,  
 "description": "童话世界"  
 },  
 "count": 4  
 },  
 {  
 "id": 17,  
 "creationTime": "2015-06-30",  
 "dictionary": {  
 "id": 37,  
 "creationTime": "2015-04-16",  
 "type": "CATEGORY",  
 "name": "热爱生命",  
 "value": 9,  
 "description": "热爱生命"  
 },  
 "count": 0  
 },  
 {  
 "id": 16,  
 "creationTime": "2015-06-30",  
 "dictionary": {  
 "id": 36,  
 "creationTime": "2015-04-16",  
 "type": "CATEGORY",  
 "name": "成长故事",  
 "value": 8,  
 "description": "成长故事"  
 },  
 "count": 0  
 },  
 {  
 "id": 19,  
 "creationTime": "2015-06-30",  
 "dictionary": {  
 "id": 39,  
 "creationTime": "2015-04-16",  
 "type": "CATEGORY",  
 "name": "我爱我家",  
 "value": 11,  
 "description": "我爱我家"  
 },  
 "count": 1  
 },  
 {  
 "id": 18,  
 "creationTime": "2015-06-30",  
 "dictionary": {  
 "id": 38,  
 "creationTime": "2015-04-16",  
 "type": "CATEGORY",  
 "name": "穿越时空",  
 "value": 10,  
 "description": "穿越时空"  
 },  
 "count": 0  
 }  
 ]  
 },  
 {  
 "id": 3,  
 "creationTime": "2015-06-19",  
 "name": "三年（1）班",  
 "grade": 3,  
 "description": **null**,  
 "clazzStatistic": {  
 "id": 2,  
 "creationTime": "2015-06-19",  
 "studentNum": 0,  
 "avgPoints": 0,  
 "avgReads": 0,  
 "avgReadWords": 0,  
 "totalPoints": 275,  
 "totalReads": 11,  
 "totalReadWords": 80618,  
 "totalCoin": 1235000363  
 },  
 "categoryCount": []  
 }  
]