1. **Create a student**

POST /api/students

Example of create a student：

{

"username": "张羽",

"password": "123",

"nickname": "jerry",

"phoneNumber": "18510918365",

"identity": "1851091836511111",

"age": 25,

"birthday": 1427618967110,

"gender": "male",

"email": "sweet\_grape@126.com",

"address": "address",

"campusId": 1,

"clazzId": 2,

"gradeId": 3,

"roles": [

{

"id": 3,

"name": "ROLE\_STUDENT",

"desc": "User"

}

],

"enabled": true,

"accountNonExpired": true,

"accountNonLocked": true,

"credentialsNonExpired": true

}

Return the details of booktag with status=200：

{

"id": 4,

"creationTime": "07-04-2015",

"username": "张羽",

"userId": "2244062979084111",

"picture": "",

"password": "adb69874351e3a441e1afa464f99c3cc1272ced47d52f738fcf444e61ca88b63c1136b172c97a681",

"nickname": "jerry",

"age": 25,

"phoneNumber": "18510918365",

"birthday": 1427618967110,

"expireTime": 0,

"status": null,

"gender": "male",

"roles": [

{

"id": 3,

"name": "ROLE\_STUDENT",

"desc": "User"

}

],

"email": "sweet\_grape@126.com",

"address": "address",

"enabled": true,

"accountNonExpired": true,

"accountNonLocked": true,

"credentialsNonExpired": true,

"identity": "1851091836511111",

" campusId": 1,

"clazzId": 2,

"gradeId": 3,

"task": {

"id": 2,

"creationTime": "07-04-2015",

"teacherId": 0,

"targetBookNum": 0,

"targetPoint": 0

},

"statistic": {

"id": 2,

"creationTime": "07-04-2015",

"point": 0,

"coin": 0,

"notes": 0,

"readNum": 0,

"testPasses": 0,

"level": 0

},

"enrollmentTime": 0,

"coinHistorySet": [],

"authorities": [{"authority": "ROLE\_STUDENT"}]

}

1. **Get a student by id**

GET /api/students/:id

Return the details of Student that is just deleted with status=200：

{

"id": 4,

"creationTime": "07-04-2015",

"username": "张羽",

"userId": "2244062979084111",

"picture": "",

"password": "adb69874351e3a441e1afa464f99c3cc1272ced47d52f738fcf444e61ca88b63c1136b172c97a681",

"nickname": "jerry",

"age": 25,

"phoneNumber": "18510918365",

"birthday": 1427618967110,

"expireTime": 0,

"status": null,

"gender": "male",

"roles": [

{

"id": 3,

"name": "ROLE\_STUDENT",

"desc": "User"

}

],

"email": "sweet\_grape@126.com",

"address": "address",

"enabled": true,

"accountNonExpired": true,

"accountNonLocked": true,

"credentialsNonExpired": true,

"identity": "1851091836511111",

"schoolId": 1,

"clazzId": 2,

"gradeId": 3,

"task": {

"id": 2,

"creationTime": "07-04-2015",

"teacherId": 0,

"targetBookNum": 0,

"targetPoint": 0

},

"statistic": {

"id": 2,

"creationTime": "07-04-2015",

"point": 0,

"coin": 0,

"notes": 0,

"readNum": 0,

"testPasses": 0,

"level": 0

},

"enrollmentTime": 0,

"coinHistorySet": [],

"authorities": [{"authority": "ROLE\_STUDENT"}]

}

1. **Update a user by id**

PUT /api/users/:id

Example of create a student：

{

"nickname": "jerry",

"phoneNumber": "18510918365",

"qqId": "282149188",

"wechatId": "sweet\_grape",

"email": "sweet\_grape@126.com",

"password": " password"

}

Return the details of User that is just deleted with status=200：

{

"id": 10,

"creationTime": "05-04-2015",

"username": "张羽",

"userId": "1328634156699516",

"picture": "",

"password": "812b3e7281d142df57f909467cb25971c5aacc483e0296c608830c0b09db9006f3e5c0ef2f545142",

"nickname": "jerry111",

"age": 25,

"phoneNumber": "18510918065",

"birthday": 0,

"expireTime": 0,

"status": null,

"gender": "male",

"roles": [

{

"id": 3,

"name": "ROLE\_STUDENT",

"desc": "User"

}

],

"email": "sweet\_grape@1269.com",

"address": "address",

"qqId": "282149188",

"wechatId": "sweet\_grape",

"enabled": true,

"accountNonExpired": true,

"accountNonLocked": true,

"credentialsNonExpired": true,

"identity": "1851091836511111",

"schoolId": 0,

"clazzId": 0,

"gradeId": 0,

"task": {

"id": 5,

"creationTime": "05-04-2015",

"teacherId": 11,

"targetBookNum": 10,

"targetPoint": 100

},

"statistic": null,

"enrollmentTime": 0,

"coinHistorySet": [],

"authorities": [{"authority": "ROLE\_STUDENT"}]

}

1. **Delete a student**

DELETE /api/students/:id

Return status=200：

1. **Add parent by student Id**

POST /api/students/:studentId/parents

Return status=200：

{

"username": "张羽1",

"password": "123",

"nickname": "jerry",

"phoneNumber": "18510918365",

"age": 25,

"birthday": 1427618967110,

"gender": "male",

"email": "sweet\_grape@126.com",

"address": "address",

"workUnit": "SONY",

"roles": [

{

"id": 4,

"name": "ROLE\_PARENT",

"desc": "User"

}

],

"enabled": true,

"accountNonExpired": true,

"accountNonLocked": true,

"credentialsNonExpired": true

}

Return status=200：

{

"id": 6,

"creationTime": "07-04-2015",

"username": "张羽1",

"userId": "3231523784513063",

"picture": "",

"password": "30ba12f86788ddb9ee4c363ceba091a6d9b8dfea7fe90f9afb28b67603ed9c8fe66b2cd466e35c22",

"nickname": "jerry",

"age": 25,

"phoneNumber": "18510918365",

"birthday": 1427618967110,

"expireTime": 0,

"status": "valid",

"gender": "male",

"roles": [

{

"id": 4,

"name": "ROLE\_PARENT",

"desc": "User"

}

],

"email": "sweet\_grape@126.com",

"address": "address",

"enabled": true,

"accountNonExpired": true,

"accountNonLocked": true,

"credentialsNonExpired": true,

"workUnit": "SONY",

"children": [

{

"id": 4,

"creationTime": "07-04-2015",

"username": "张羽",

"userId": "2244062979084111",

"picture": "",

"password": "adb69874351e3a441e1afa464f99c3cc1272ced47d52f738fcf444e61ca88b63c1136b172c97a681",

"nickname": "jerry",

"age": 25,

"phoneNumber": "18510918365",

"birthday": 0,

"expireTime": 0,

"status": null,

"gender": "male",

"roles": [

{

"id": 3,

"name": "ROLE\_STUDENT",

"desc": "User"

}

],

"email": "sweet\_grape@126.com",

"address": "address",

"enabled": true,

"accountNonExpired": true,

"accountNonLocked": true,

"credentialsNonExpired": true,

"identity": "1851091836511111",

"schoolId": 1,

"clazzId": 2,

"gradeId": 3,

"task": {

"id": 2,

"creationTime": "07-04-2015",

"teacherId": 0,

"targetBookNum": 0,

"targetPoint": 0

},

"statistic": {

"id": 2,

"creationTime": "07-04-2015",

"point": 0,

"coin": 0,

"notes": 0,

"readNum": 0,

"testPasses": 0,

"level": 0

},

"enrollmentTime": 0,

"coinHistorySet": [],

"authorities": [{"authority": "ROLE\_STUDENT"}]

}

],

"authorities": [{"authority": "ROLE\_PARENT"}]

}

1. **Parent add children by userId**

PUT /parents/{id}/students/{userId}

NOTE: this userId is not the primary key,it is the User properity userId which auto generate by system.(this id use for login)

Example: /api/parents/9/students/1328634156699516

Return status=200：

{

"id": 9,

"creationTime": "05-04-2015",

"username": "张羽1",

"userId": "5613985227332929",

"picture": "",

"password": "172471fc8fab4963903373033fa39ad59dc5ac643dac49efc58422f6557701eee91a77954fb7209f",

"nickname": "jerry",

"age": 25,

"phoneNumber": "18510918365",

"birthday": 0,

"expireTime": 0,

"status": null,

"gender": "male",

"roles": [

{

"id": 4,

"name": "ROLE\_PARENT",

"desc": "User"

}

],

"email": "sweet\_grape@126.com",

"address": "address",

"enabled": true,

"accountNonExpired": true,

"accountNonLocked": true,

"credentialsNonExpired": true,

"workUnit": "SONY",

"children": [

{

"id": 6,

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

"username": "张羽",

"userId": "5713860390807945",

"picture": "",

"password": "123",

"nickname": "jerry",

"age": 25,

"phoneNumber": "18510918365",

"birthday": 0,

"expireTime": 0,

"status": null,

"gender": "male",

"roles": [

{

"id": 3,

"name": "ROLE\_STUDENT",

"desc": "User"

}

],

"email": "sweet\_grape@126.com",

"address": "address",

"enabled": true,

"accountNonExpired": true,

"accountNonLocked": true,

"credentialsNonExpired": true,

"identity": "1851091836511111",

"level": 8,

"coin": 9,

"point": 10,

"bookNum": 10,

"task": {

"id": 2,

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

"teacher": null,

"targetBookNum": 0,

"targetPoint": 0

},

"enrollmentTime": 0,

"classId": null,

"coinHistorySet": [],

"authorities": [{"authority": "ROLE\_STUDENT"}]

},

{

"id": 10,

"creationTime": "05-04-2015",

"username": "张羽",

"userId": "1328634156699516",

"picture": "",

"password": "812b3e7281d142df57f909467cb25971c5aacc483e0296c608830c0b09db9006f3e5c0ef2f545142",

"nickname": "jerry",

"age": 25,

"phoneNumber": "18510918365",

"birthday": 0,

"expireTime": 0,

"status": null,

"gender": "male",

"roles": [

{

"id": 3,

"name": "ROLE\_STUDENT",

"desc": "User"

}

],

"email": "sweet\_grape@126.com",

"address": "address",

"enabled": true,

"accountNonExpired": true,

"accountNonLocked": true,

"credentialsNonExpired": true,

"identity": "1851091836511111",

"level": 8,

"coin": 9,

"point": 10,

"bookNum": 10,

"task": {

"id": 5,

"creationTime": "05-04-2015",

"teacher": null,

"targetBookNum": 0,

"targetPoint": 0

},

"enrollmentTime": 0,

"classId": null,

"coinHistorySet": [],

"authorities": [{"authority": "ROLE\_STUDENT"}]

}

],

"authorities": [{"authority": "ROLE\_PARENT"}]

}

1. **Create a Teacher**

POST /api/teachers

Example of create a teacher：

{

"username": "张羽",

"password": "123",

"nickname": "jerry",

"phoneNumber": "18510918365",

"age": 25,

"birthday": 1427618967110,

"gender": "male",

"email": "sweet\_grape@126.com",

"address": "address",

"rank":1,

"experience":1,

"graduateSchool":"",

"clazzIds":[],

"roles": [

{

"id": 4,

"name": "ROLE\_PARENT",

"desc": "User"

}

],

"enabled": true,

"accountNonExpired": true,

"accountNonLocked": true,

"credentialsNonExpired": true

}

Return the details of teacher with status=200：

{

"id": 11,

"creationTime": "05-04-2015",

"username": "张羽",

"userId": "6627900829084207",

"picture": "",

"password": "afbf348f3971952c37d01b5eddadf87dacdb7393e2eb865e3f03551b126587bf41661e611ca068b8",

"nickname": "jerry",

"age": 25,

"phoneNumber": "18510918365",

"birthday": 1427618967110,

"expireTime": 0,

"status": null,

"gender": "male",

"roles": [

{

"id": 4,

"name": "ROLE\_PARENT",

"desc": "User"

}

],

"email": "sweet\_grape@126.com",

"address": "address",

"enabled": true,

"accountNonExpired": true,

"accountNonLocked": true,

"credentialsNonExpired": true,

"rank": 1,

"experience": 1,

"graduateSchool": "",

"clazzIds": [],

"authorities": [{"authority": "ROLE\_PARENT"}]

}

1. **get a Teacher**

GET /api/teachers/:teacherId

Return the details of teacher with status=200：

{

"id": 11,

"creationTime": "05-04-2015",

"username": "张羽",

"userId": "6627900829084207",

"picture": "",

"password": "afbf348f3971952c37d01b5eddadf87dacdb7393e2eb865e3f03551b126587bf41661e611ca068b8",

"nickname": "jerry",

"age": 25,

"phoneNumber": "18510918365",

"birthday": 1427618967110,

"expireTime": 0,

"status": null,

"gender": "male",

"roles": [

{

"id": 4,

"name": "ROLE\_PARENT",

"desc": "User"

}

],

"email": "sweet\_grape@126.com",

"address": "address",

"enabled": true,

"accountNonExpired": true,

"accountNonLocked": true,

"credentialsNonExpired": true,

"rank": 1,

"experience": 1,

"graduateSchool": "",

"clazzIds": [],

"authorities": [{"authority": "ROLE\_PARENT"}]

}

1. **Delete a teacher**

DELETE /api/teachers/:id

Return status=200：

1. **Create a task**

POST teachers/:teacherId/students/:studentId/tasks

|  |  |  |
| --- | --- | --- |
| argument | mean | comment |
| targetBookNum |  |  |
| targetPoint |  |  |

return of create a task：

{

"id": 10,

"creationTime": "05-04-2015",

"username": "张羽",

"userId": "1328634156699516",

"picture": "",

"password": "812b3e7281d142df57f909467cb25971c5aacc483e0296c608830c0b09db9006f3e5c0ef2f545142",

"nickname": "jerry",

"age": 25,

"phoneNumber": "18510918365",

"birthday": 0,

"expireTime": 0,

"status": null,

"gender": "male",

"roles": [

{

"id": 3,

"name": "ROLE\_STUDENT",

"desc": "User"

}

],

"email": "sweet\_grape@126.com",

"address": "address",

"enabled": true,

"accountNonExpired": true,

"accountNonLocked": true,

"credentialsNonExpired": true,

"identity": "1851091836511111",

"level": 8,

"coin": 9,

"point": 10,

"bookNum": 10,

"task": {

"id": 5,

"creationTime": "05-04-2015",

"teacherId": 11,

"targetBookNum": 10,

"targetPoint": 100

},

"enrollmentTime": 0,

"classId": null,

"coinHistorySet": [],

"authorities": [{"authority": "ROLE\_STUDENT"}]

}

status=200：

1. **Hot clazzs**

GET api/campuses/:campusId/hotclazzs

|  |  |  |
| --- | --- | --- |
| argument | mean | comment |
| page |  |  |
| size |  |  |

return of create a task：

{

"links": [

{

"rel": "first",

"href": "http://localhost:8080/api/campuses/1/hotclazzs?page=0&size=4"

},

{

"rel": "last",

"href": "http://localhost:8080/api/campuses/1/hotclazzs?page=0&size=4"

},

{

"rel": "self",

"href": "http://localhost:8080/api/campuses/1/hotclazzs?page=0&size=4"

}

],

"size": 4,

"number": 0,

"content": [

{

"id": 5,

"creationTime": "15-04-2015",

"name": "1班",

"description": null,

"clazzStatistic": {

"id": 3,

"creationTime": "15-04-2015",

"avgPoints": 320,

"avgReads": 0,

"totalPoints": 3200,

"totalReads": 0

}

},

{

"id": 6,

"creationTime": "15-04-2015",

"name": "6班",

"description": null,

"clazzStatistic": {

"id": 4,

"creationTime": "15-04-2015",

"avgPoints": 100,

"avgReads": 0,

"totalPoints": 1000,

"totalReads": 0

}

}

],

"sort": [

{

"direction": "DESC",

"property": "clazzStatistic.avgPoints",

"ascending": false

}

],

"totalElements": 2,

"totalPages": 1,

"firstPage": true,

"numberOfElements": 2,

"lastPage": true

}

1. **Hot clazzs**

GET /api/campuses/:campusId/hotclazzs

|  |  |  |
| --- | --- | --- |
| argument | mean | comment |
| page |  |  |
| size |  |  |

1. **Hot readers**

GET api/students/hotreaders/:campusId

|  |  |  |
| --- | --- | --- |
| argument | mean | comment |
| page |  |  |
| size |  |  |

return of create a task：

{

"links": [

{

"rel": "first",

"href": "http://localhost:8080/api/students/hotreaders/1?page=0&size=5"

},

{

"rel": "last",

"href": "http://localhost:8080/api/students/hotreaders/1?page=0&size=5"

},

{

"rel": "self",

"href": "http://localhost:8080/api/students/hotreaders/1?page=0&size=5"

}

],

"size": 5,

"number": 0,

"content": [

{

"id": 4,

"creationTime": "15-04-2015",

"username": "张羽",

"userId": "9919233953814567",

"picture": "",

"password": "ed7afa3a09c11b6ff307fde4b43f3f42c2edb9135de0149c94ade18a199c2afa5e8cbac634350a19",

"nickname": "jerry",

"age": 25,

"phoneNumber": "18510918365",

"birthday": 0,

"expireTime": 0,

"status": "valid",

"gender": "male",

"roles": [

{

"id": 3,

"name": "ROLE\_STUDENT",

"desc": "User"

},

{

"id": 3,

"name": "ROLE\_STUDENT",

"desc": "User"

}

],

"email": "sweet\_grape@126.com",

"address": "address",

"qqId": null,

"wechatId": null,

"enabled": true,

"accountNonExpired": true,

"accountNonLocked": true,

"credentialsNonExpired": true,

"identity": "1851091836511111",

"campusId": 1,

"clazzId": 2,

"gradeId": 3,

"task": {

"id": 4,

"creationTime": "15-04-2015",

"teacherId": 0,

"targetBookNum": 0,

"targetPoint": 0

},

"statistic": {

"id": 7,

"creationTime": "15-04-2015",

"point": 0,

"coin": 0,

"notes": 0,

"readNum": 0,

"testPasses": 11,

"level": 0

},

"enrollmentTime": 0,

"coinHistorySet": [],

"authorities": [{"authority": "ROLE\_STUDENT"}]

},

{

"id": 3,

"creationTime": "15-04-2015",

"username": "张羽",

"userId": "1845853986242087",

"picture": "",

"password": "35ad6fd79fe7ebf80d9248d3d0a356f799d43923f872ece30d98e1837abcedfa659880b07a6dd92f",

"nickname": "jerry",

"age": 25,

"phoneNumber": "18510918365",

"birthday": 0,

"expireTime": 0,

"status": "valid",

"gender": "male",

"roles": [

{

"id": 3,

"name": "ROLE\_STUDENT",

"desc": "User"

},

{

"id": 3,

"name": "ROLE\_STUDENT",

"desc": "User"

}

],

"email": "sweet\_grape@126.com",

"address": "address",

"qqId": null,

"wechatId": null,

"enabled": true,

"accountNonExpired": true,

"accountNonLocked": true,

"credentialsNonExpired": true,

"identity": "1851091836511111",

"campusId": 1,

"clazzId": 2,

"gradeId": 3,

"task": {

"id": 3,

"creationTime": "15-04-2015",

"teacherId": 0,

"targetBookNum": 0,

"targetPoint": 0

},

"statistic": {

"id": 6,

"creationTime": "15-04-2015",

"point": 0,

"coin": 0,

"notes": 0,

"readNum": 0,

"testPasses": 9,

"level": 0

},

"enrollmentTime": 0,

"coinHistorySet": [],

"authorities": [{"authority": "ROLE\_STUDENT"}]

},

{

"id": 5,

"creationTime": "15-04-2015",

"username": "张羽",

"userId": "7728008448262025",

"picture": "",

"password": "838a17f5d89bfaf426a368fb158552801f13c1b662f89068f100ea81609d32bdd98b9c3701e0dcd0",

"nickname": "jerry",

"age": 25,

"phoneNumber": "18510918365",

"birthday": 0,

"expireTime": 0,

"status": "valid",

"gender": "male",

"roles": [

{

"id": 3,

"name": "ROLE\_STUDENT",

"desc": "User"

},

{

"id": 3,

"name": "ROLE\_STUDENT",

"desc": "User"

}

],

"email": "sweet\_grape@126.com",

"address": "address",

"qqId": null,

"wechatId": null,

"enabled": true,

"accountNonExpired": true,

"accountNonLocked": true,

"credentialsNonExpired": true,

"identity": "1851091836511111",

"campusId": 1,

"clazzId": 2,

"gradeId": 3,

"task": {

"id": 5,

"creationTime": "15-04-2015",

"teacherId": 0,

"targetBookNum": 0,

"targetPoint": 0

},

"statistic": {

"id": 8,

"creationTime": "15-04-2015",

"point": 0,

"coin": 0,

"notes": 0,

"readNum": 0,

"testPasses": 2,

"level": 0

},

"enrollmentTime": 0,

"coinHistorySet": [],

"authorities": [{"authority": "ROLE\_STUDENT"}]

}

],

"totalElements": 3,

"sort": [

{

"direction": "DESC",

"property": "statistic.testPasses",

"ascending": false

}

],

"totalPages": 1,

"numberOfElements": 3,

"firstPage": true,

"lastPage": true

}

status=200：

1. **User sign in**

post /oauth/token

|  |  |  |
| --- | --- | --- |
| argument | mean | comment |
| grant\_type | Oauth2 grant type | Fixed value “password” |
| username | User’s username |  |
| password | User’s password |  |

|  |  |  |
| --- | --- | --- |
| HEAD | mean | comment |
| Content-Type |  | application/json;charset=UTF-8 |
| Authorization | Client’username and password base64 encode value | Fixed value “Basic MzUzYjMwMmM0NDU3NGY1NjUwNDU2ODdlNTM0ZTdkNmE6Mjg2OTI0Njk3ZTYxNWE2NzJhNjQ2YTQ5MzU0NTY0NmM=” |

return of Status = 200

{  
    "user": {  
        "id": 49,  
        "creationTime": "03-04-2015",  
        "username": "testUserRole11",  
        "userId": "5665760434110558",  
        "picture": "",  
        "password": "1abc949e6d0f99f5431cc0c7da7df577afb062fc378a2ce6804292d40d016105e5c2c18e26a725cd",  
        "nickname": "zdp",  
        "age": 0,  
        "phoneNumber": "18510918365",  
        "birthday": 0,  
        "expireTime": 0,  
        "status": null,  
        "gender": "male",  
        "roles": [  
            {  
                "id": 1,  
                "name": "ROLE\_USER",  
                "desc": "User"  
            }  
        ],  
        "email": null,  
        "address": null,  
        "enabled": true,  
        "accountNonExpired": true,  
        "accountNonLocked": true,  
        "credentialsNonExpired": true,  
        "authorities": [  
            {  
                "authority": "ROLE\_USER"  
            }  
        ]  
    },  
    "token": {  
        "access\_token": "69172a0d-43ef-49c9-b0a0-141c9b4be577",  
        "token\_type": "bearer",  
        "refresh\_token": "6ed7a130-bd49-4d28-ae39-c15b0306c182",  
        "expires\_in": 43199,  
        "scope": "read write"  
    }  
}