

The report of assignment 3

To simplify the test process and reduce the time cost for grading. I write a simply report for this assignment and provide the test case for my application.

1. First part: test the register function

Add the student

The screenshot displays a REST client interface with the following components:

- URL Bar:** `http://localhost:8080/student-info-system/webapi/students`
- Method and URL:** `POST` `http://localhost:8080/student-info-system/webapi/students`
- Buttons:** `Send`
- Tabs:** `Params`, `Authorization`, `Headers (1)`, `Body` (selected), `Pre-request Script`, `Tests`
- Body Type:** `JSON (application/json)`
- Request Body:**

```
1 {
2   "firstName": "Ella",
3   "lastName": "Zhang",
4   "studentId": "1",
5   "joinDate": "2017-09",
6   "department": "CSYE",
7   "enrolledClass": [],
8   "email": "lifanqian.neu@gmail.com"
9 }
```
- Response Section:**
 - Tabs:** `Body` (selected), `Cookies (1)`, `Headers (3)`, `Test Results`
 - Status:** `200 OK`, **Time:** `4781 ms`, **Size:** `302 B`
 - Format Buttons:** `Pretty`, `Raw`, `Preview`, `JSON` (selected)
 - Response Body:**

```
1 {
2   "department": "CSYE",
3   "email": "lifanqian.neu@gmail.com",
4   "enrolledClass": [],
5   "firstName": "Ella",
6   "id": "fffb549d-78e1-4350-9677-e094b5cf9945",
7   "joinDate": "2017-09",
8   "lastName": "Zhang",
9   "studentId": "1"
10 }
```

Then add the course

The screenshot shows a REST client interface with the following details:

- Method:** POST
- URL:** http://localhost:8080/student-info-system/webapi/courses
- Body Type:** JSON (application/json)
- Body:**

```
1 {  
2   "courseId": "6225",  
3   "roster": []  
4 }
```
- Status:** 200 OK
- Time:** 3854 ms
- Size:** 234 B
- Response Body (JSON):**

```
1 {  
2   "courseId": "6225",  
3   "id": "66df522e-e9f9-4e70-ac49-da118274850f",  
4   "roster": [],  
5   "topic": "arn:aws:sns:us-west-2:474694586562:6225"  
6 }
```

Test with the register API:

The screenshot shows a REST client interface with the following details:

- Method:** POST
- URL:** http://localhost:8080/student-info-system/webapi/students/1/register
- Body Type:** JSON (application/json)
- Body:**

```
1 6225
```
- Status:** 200 OK
- Time:** 5407 ms
- Size:** 128 B
- Response Body (JSON):**

```
1 {  
2   "id": "66df522e-e9f9-4e70-ac49-da118274850f",  
3   "roster": [],  
4   "topic": "arn:aws:sns:us-west-2:474694586562:6225"  
5 }
```
- Message:** Registration success

We can see that the 6225 has been added into the enrolled class list and the student id 1 has been added into the roster list.

http://localhost:8080/student-info-system/webapi/students/1

GET http://localhost:8080/student-info-system/webapi/students/1 Send

Params Authorization Headers (1) Body ● Pre-request Script Tests

KEY	VALUE	DESCRIPTION	..
Key	Value	Description	

Body Cookies (1) Headers (3) Test Results Status: 200 OK Time: 296 ms Size: 308 B

Pretty Raw Preview JSON

```
1 {
2   "department": "CSYE",
3   "email": "lifanqian.neu@gmail.com",
4   "enrolledClass": [
5     "6225"
6   ],
7   "firstName": "Ella",
8   "id": "fffb549d-78e1-4350-9677-e094b5cf9945",
9   "joinDate": "2017-09",
10  "lastName": "Zhang",
11  "studentId": "1"
12 }
```

GET http://localhost:8080/student-info-system/webapi/courses/6225 Send

Params Authorization Headers (1) Body ● Pre-request Script Tests

KEY	VALUE	DESCRIPTION	..
Key	Value	Description	

Body Cookies (1) Headers (3) Test Results Status: 200 OK Time: 50 ms Size: 237 B

Pretty Raw Preview JSON

```
1 {
2   "courseId": "6225",
3   "id": "66df522e-e9f9-4e70-ac49-da118274850f",
4   "roster": [
5     "1"
6   ],
7   "topic": "arn:aws:sns:us-west-2:474694586562:6225"
8 }
```

2. Test with notification

First we add an announcement for test

http://localhost:8080/student-info-system/webapi/announcements

POST http://localhost:8080/student-info-system/webapi/announcements Send

Params Authorization Headers (1) Body Pre-request Script Tests

none form-data x-www-form-urlencoded raw binary JSON (application/json)

```
1 {
2   "boardId": "1",
3   "announcementId": "3",
4   "announcementText": "This is a test message for board 1 in course 6225",
5   "courseId": "6225"
6 }
```

Then check the email box:
Yeah, we got the message:

