

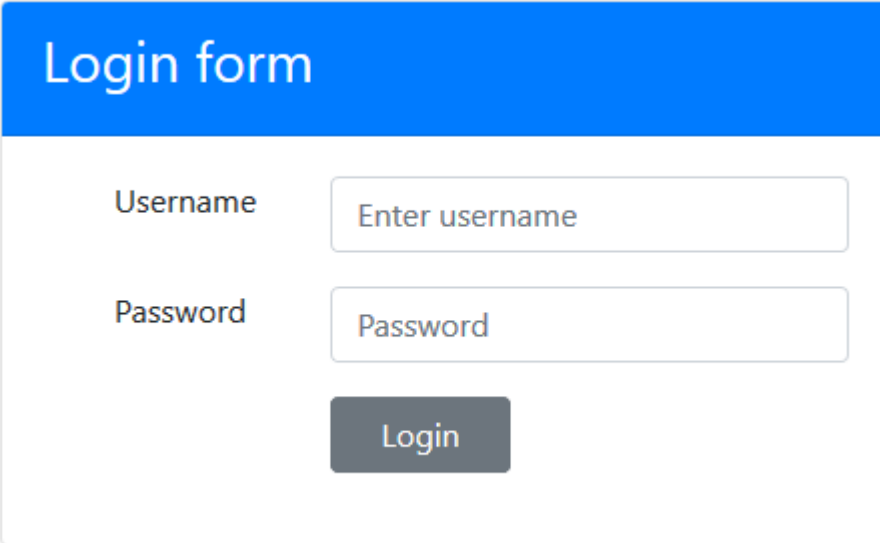
# FINAL EXAM: SOFTWARE TESTING PROCESS

Date: **Tuesday, October 23<sup>th</sup>, 2018**

Duration: **120 minutes**

Students follow the requirements as below:

1. **(5 points)** Create a new folder named <Student-name>\_SWTP.
2. **(5 points)** Create 2 sub folders named “**backend**” and “**frontend**”.
3. **(5 points)** Initialize the project.
4. **(40 points)** Create the frontend test scenarios, then store script files in “**frontend**” folder.
  - 4.1. Create test scenarios for login page

A UI mockup of a login form. It features a blue header bar with the text "Login form" in white. Below the header, there are two input fields: one for "Username" with the placeholder text "Enter username" and one for "Password" with the placeholder text "Password". Below these fields is a dark gray button with the text "Login" in white.

Login form

Username

Password

- 4.2. Create test scenarios for product page



POST

http://www.saigontech.edu.vn/restful-api/login.php

form-data

x-www-form-urlencoded

raw

binary

JSON (application/json)

1

Body

Cookies (1)

Headers (14)

Test Results

Pretty

Raw

Preview

JSON

1

{

2

"errorCode": 1,

3

"errorMessage": "Required field(s) is missing"

4

}

Page 3

### 5.1.2. Wrong username or password

The screenshot displays a REST client interface for a POST request to `http://www.saigontech.edu.vn/restful-api/login.php`. The request body is a JSON object with `"username": "admin"` and `"password": "123"`. The response body shows an error with `"errorCode": 1` and `"errorMessage": "Wrong Username or Password"`.

**Request Details:**

- Method: POST
- URL: `http://www.saigontech.edu.vn/restful-api/login.php`
- Authorization: (empty)
- Headers (2): (empty)
- Body (selected):
  - form-data
  - x-www-form-urlencoded
  - raw (selected)
  - binary
  - JSON (application/json)

**Request Body (JSON):**

```
1 {  
2   "username": "admin",  
3   "password": "123"  
4 }
```

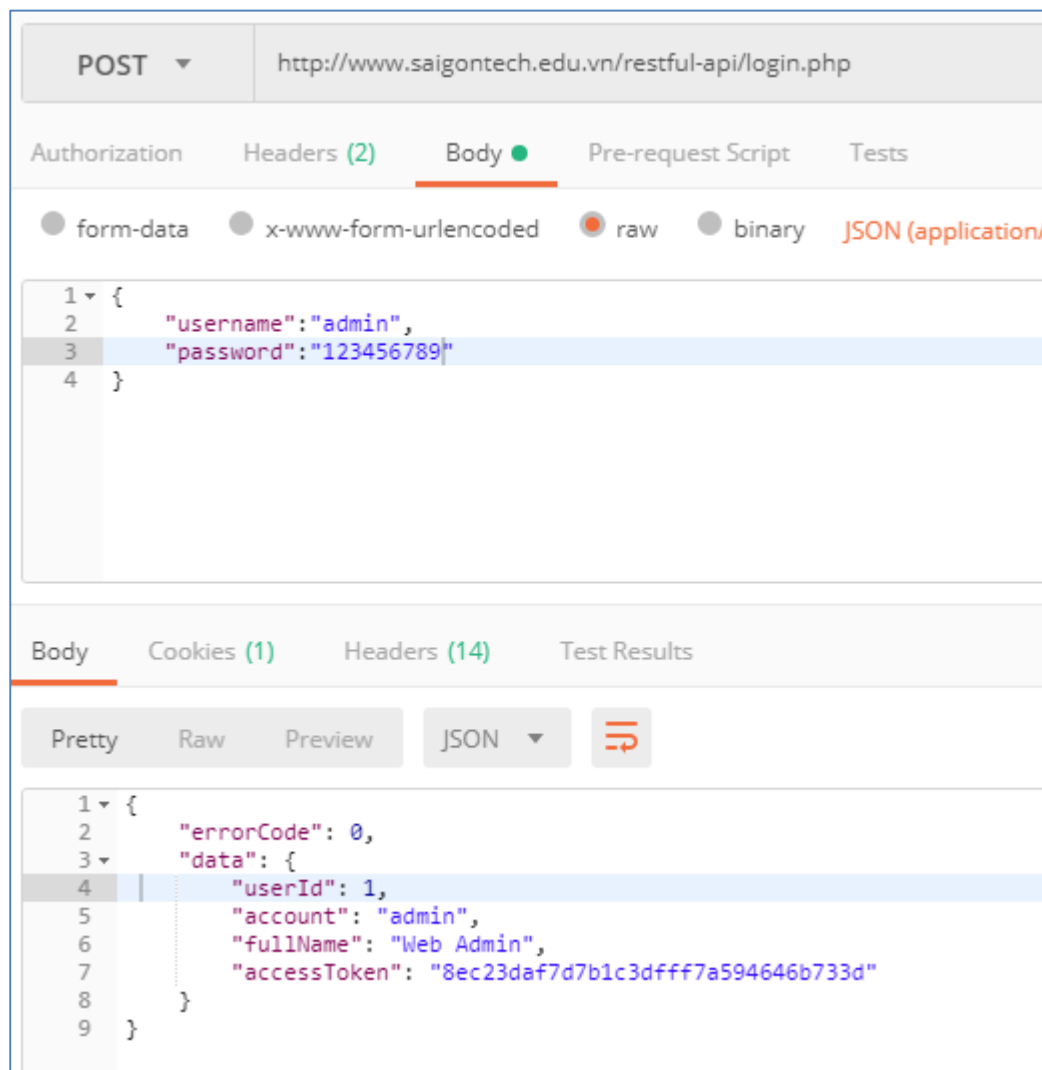
**Response Details:**

- Body (selected)
- Cookies (1): (empty)
- Headers (14): (empty)
- Test Results: (empty)

**Response Body (JSON):**

```
1 {  
2   "errorCode": 1,  
3   "errorMessage": "Wrong Username or Password"  
4 }
```

### 5.1.3. Correct username or password

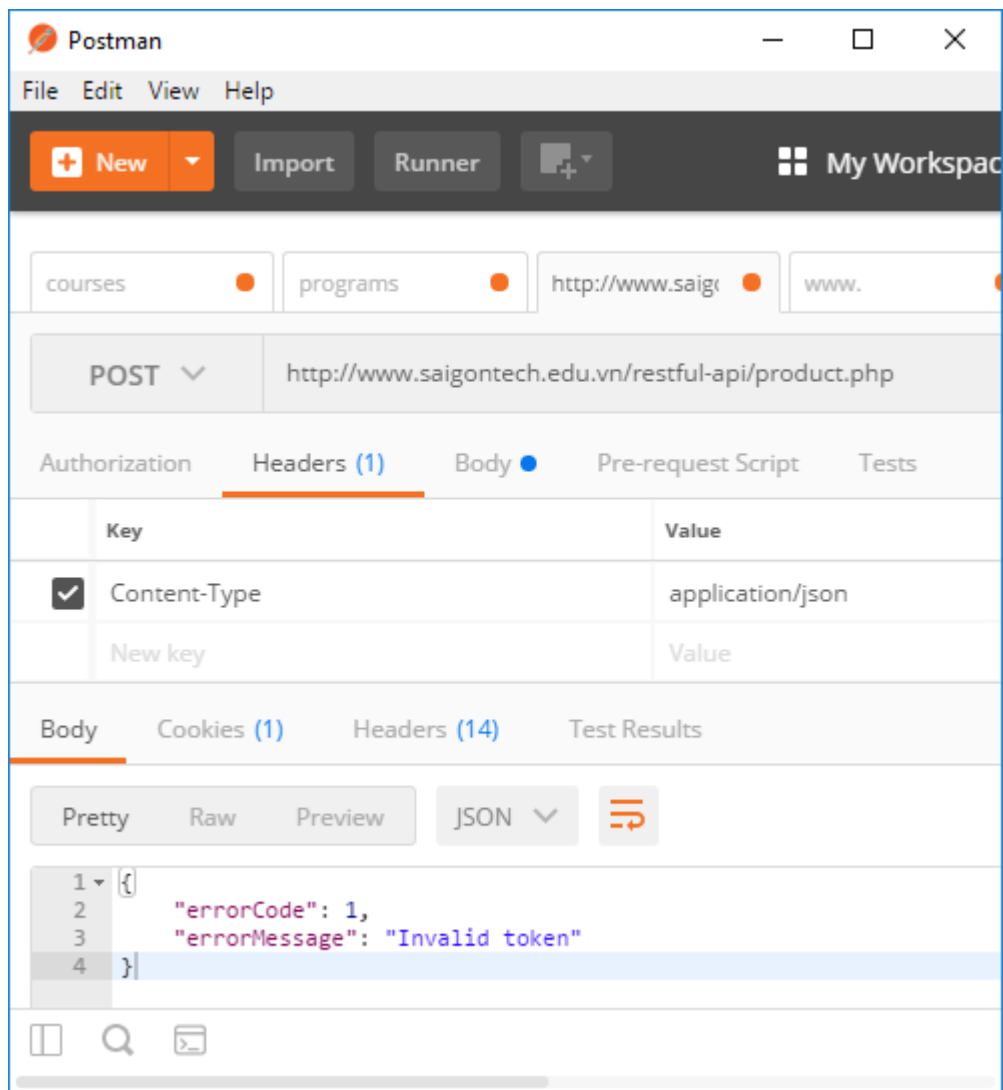


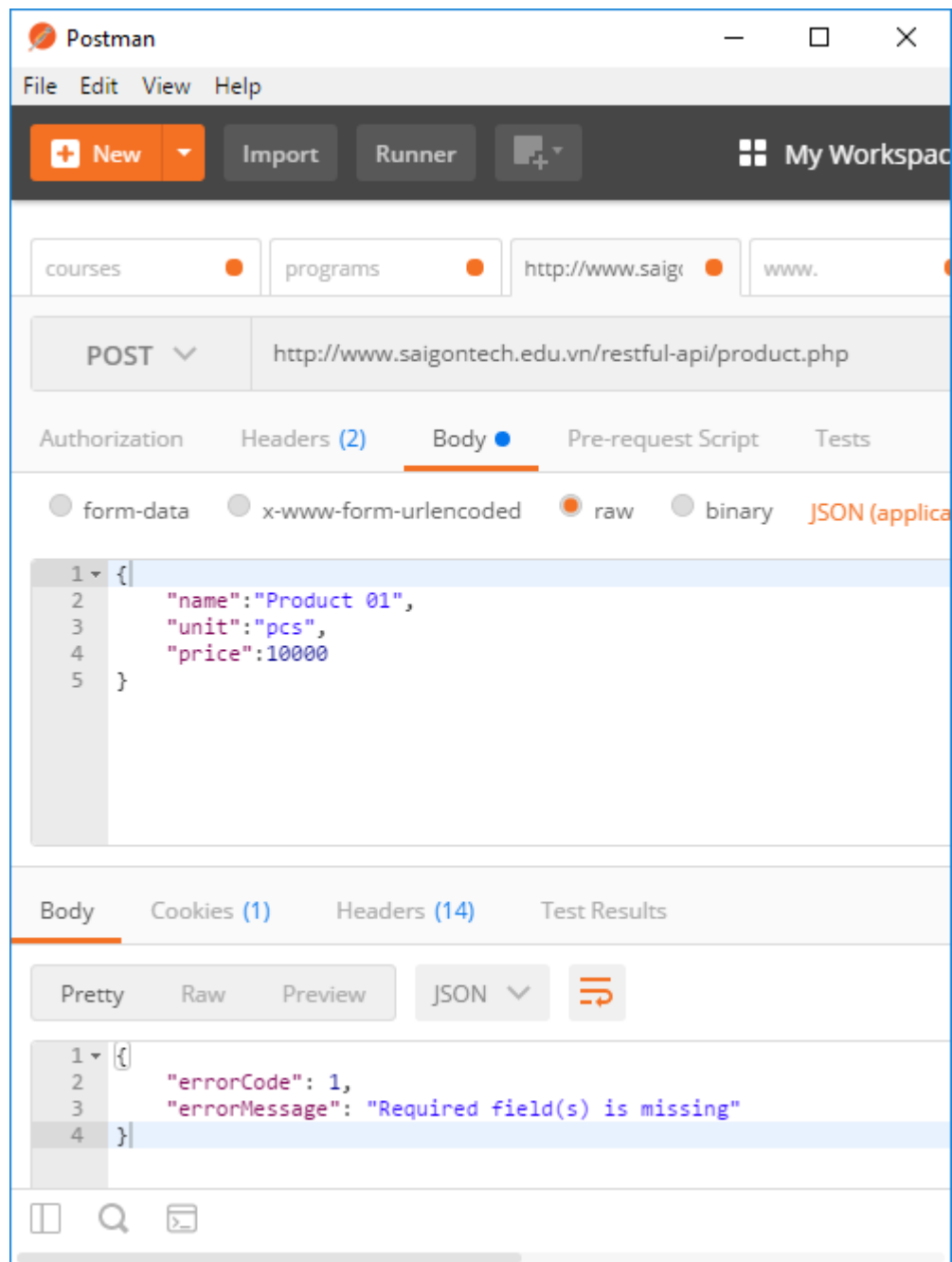
5.2. Create the test scenarios to test the adding a new product api with following requirements and cases (students have to create more test cases)

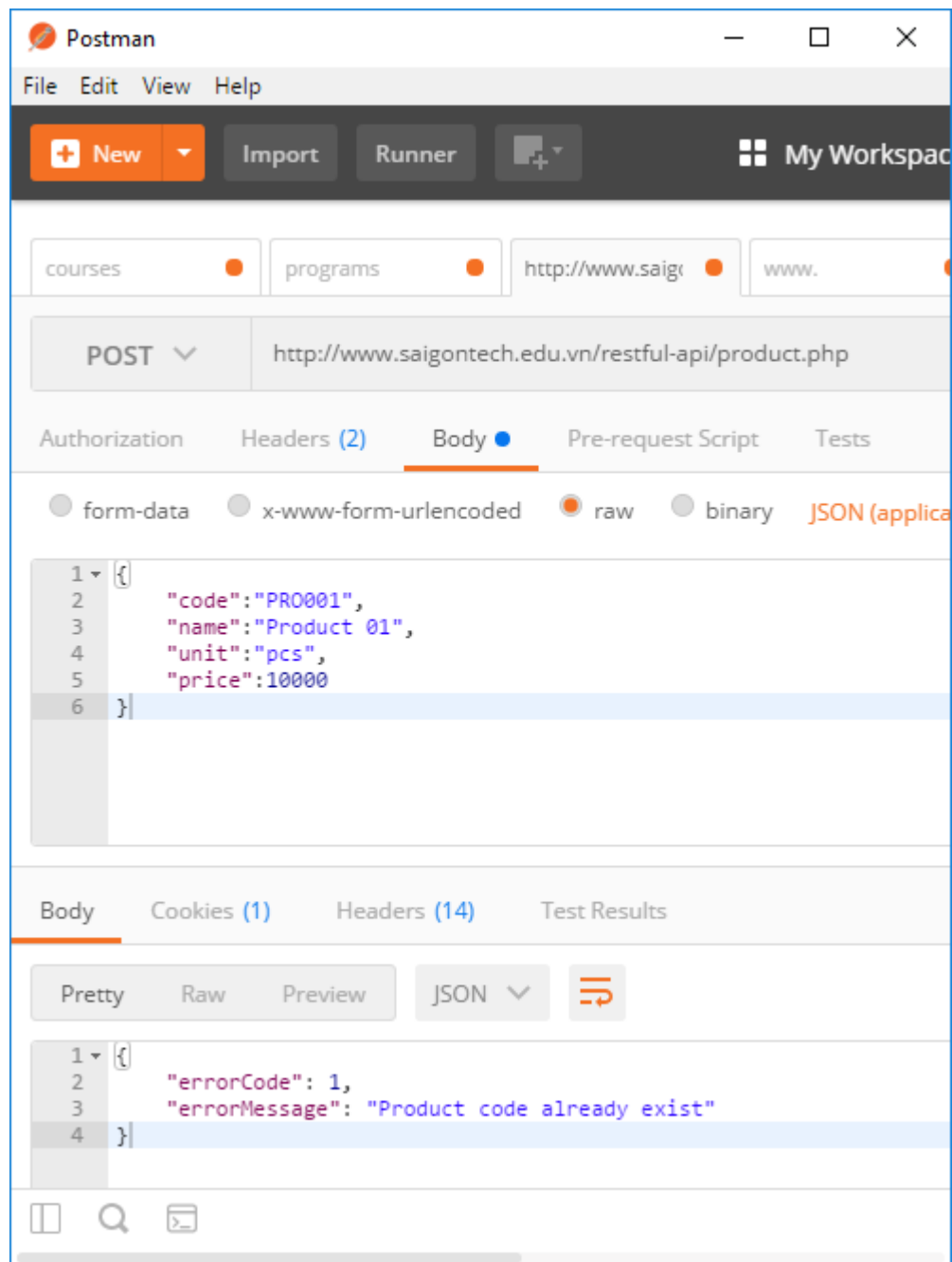
#### 5.2.1. Requirements:

- 5.2.1.1. Return “Invalid token” if token value is missing or invalid in “Authorization” header.
- 5.2.1.2. Return “Product code already exist” if the code has already used.

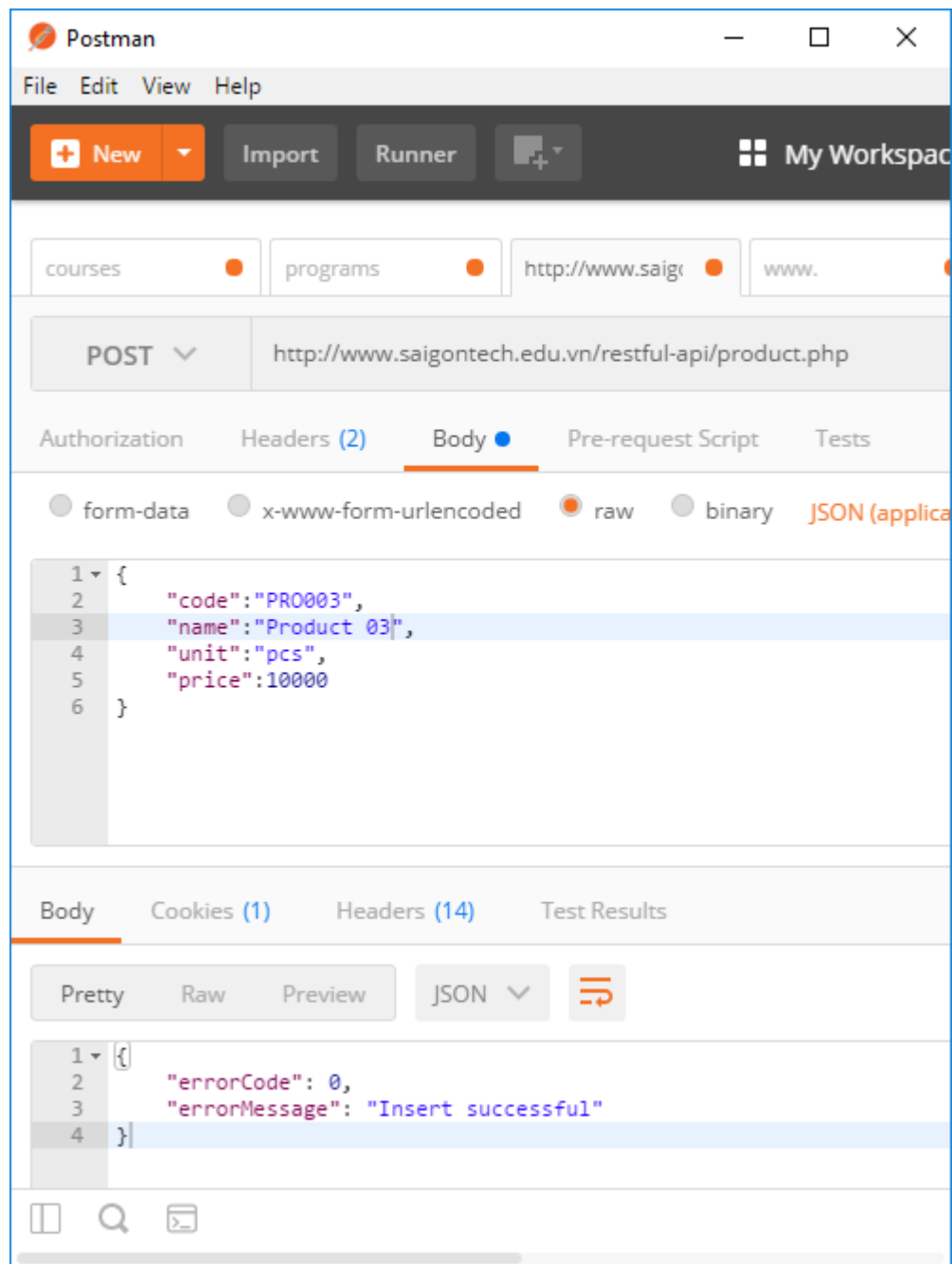
#### 5.2.2. Cases



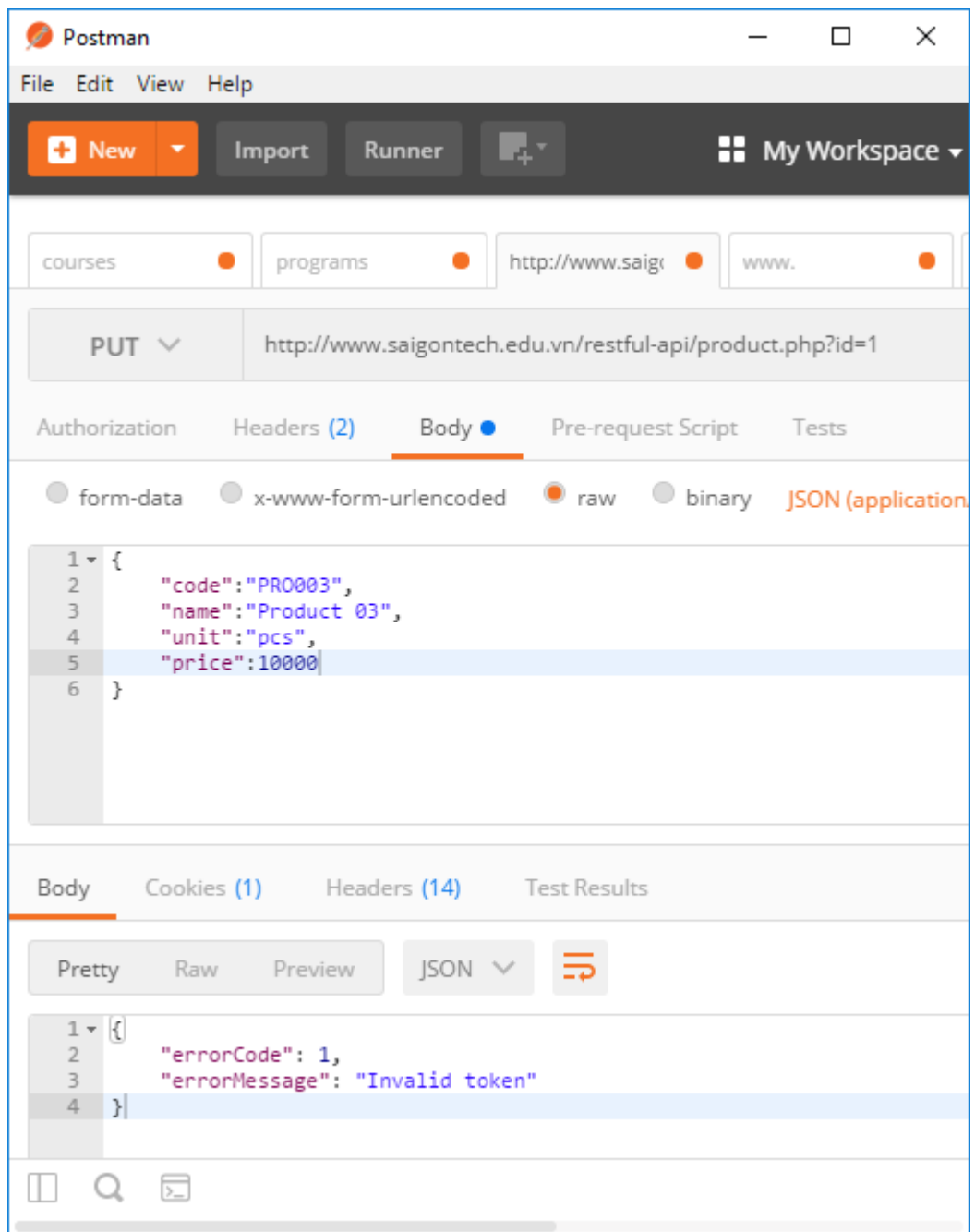


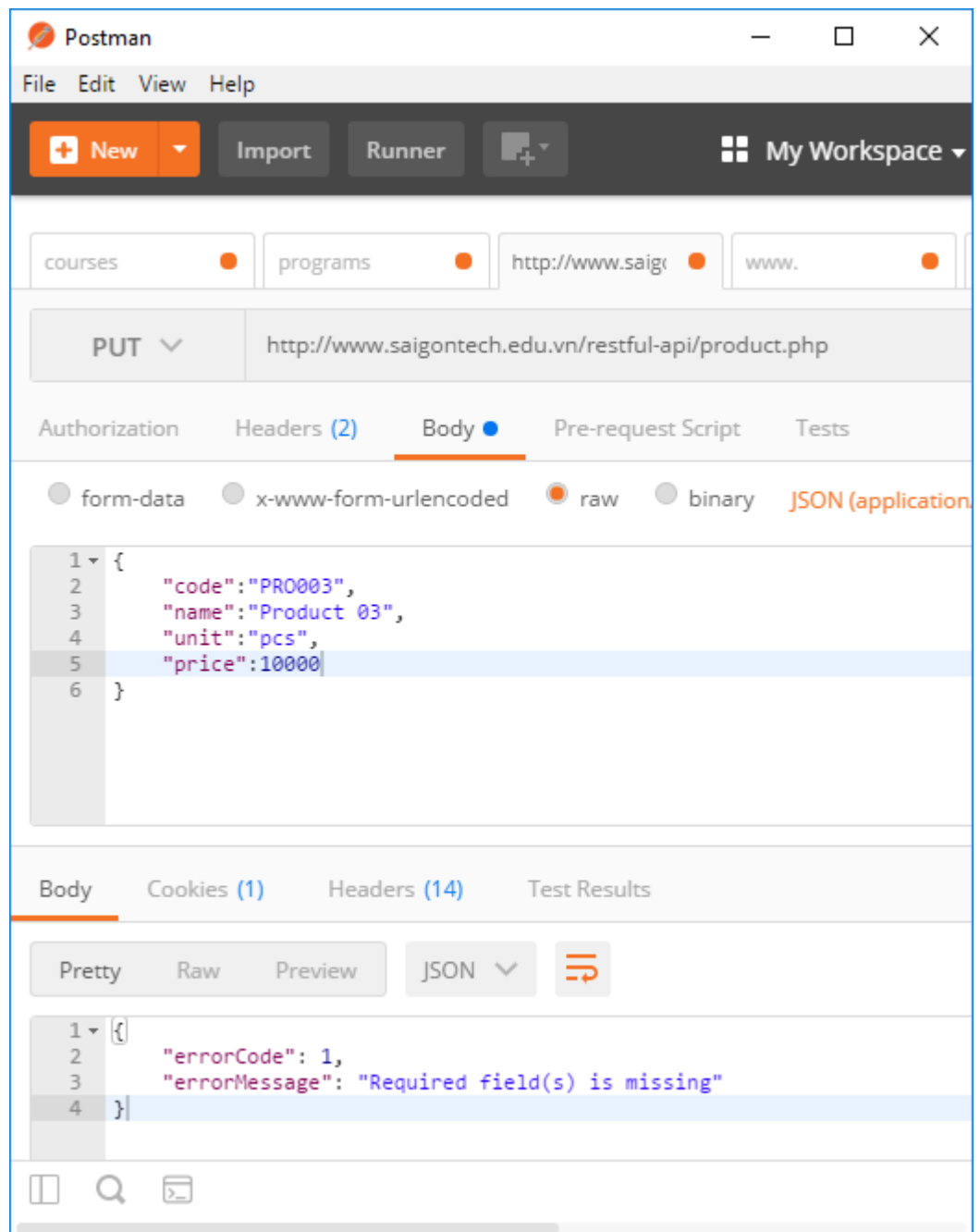


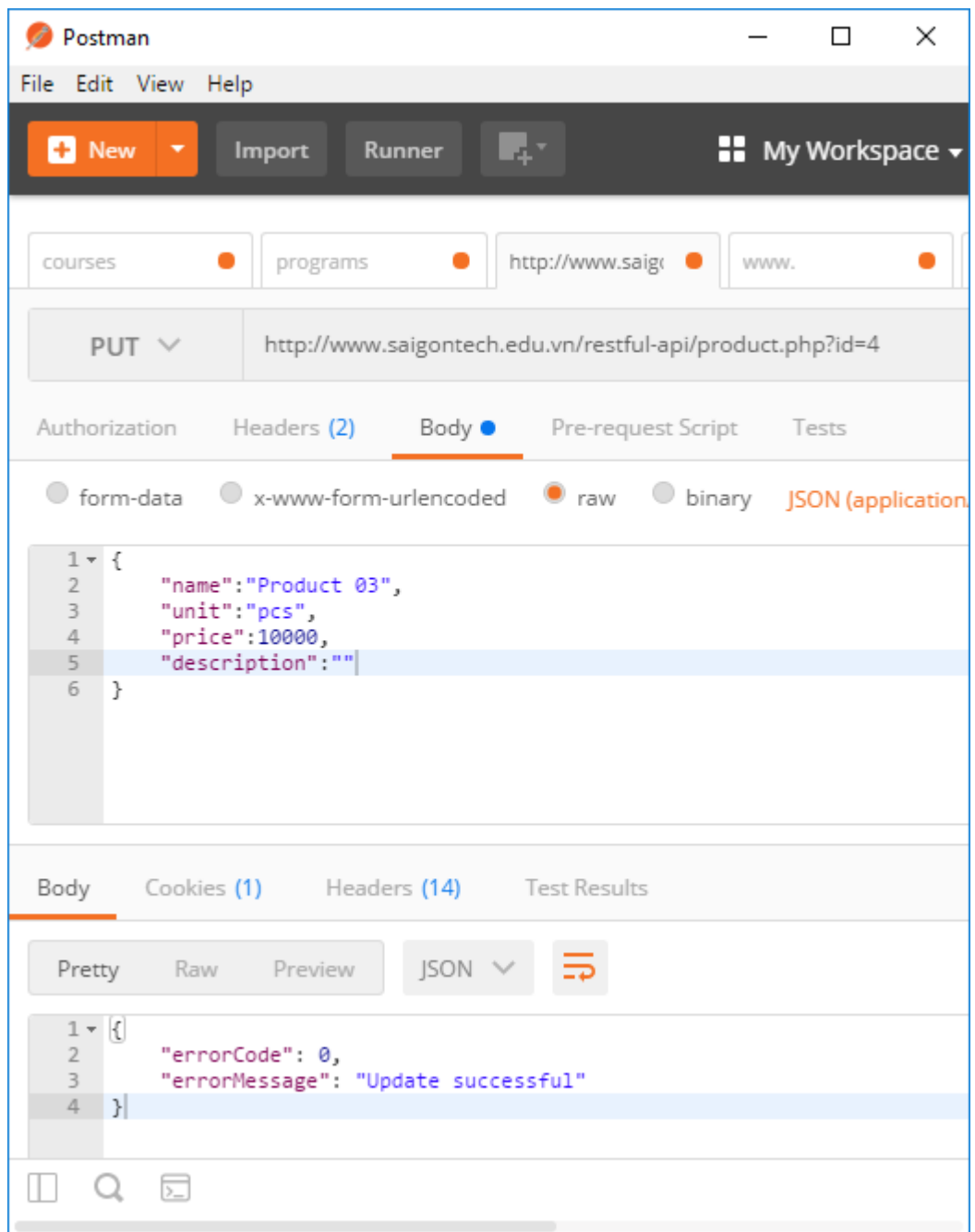




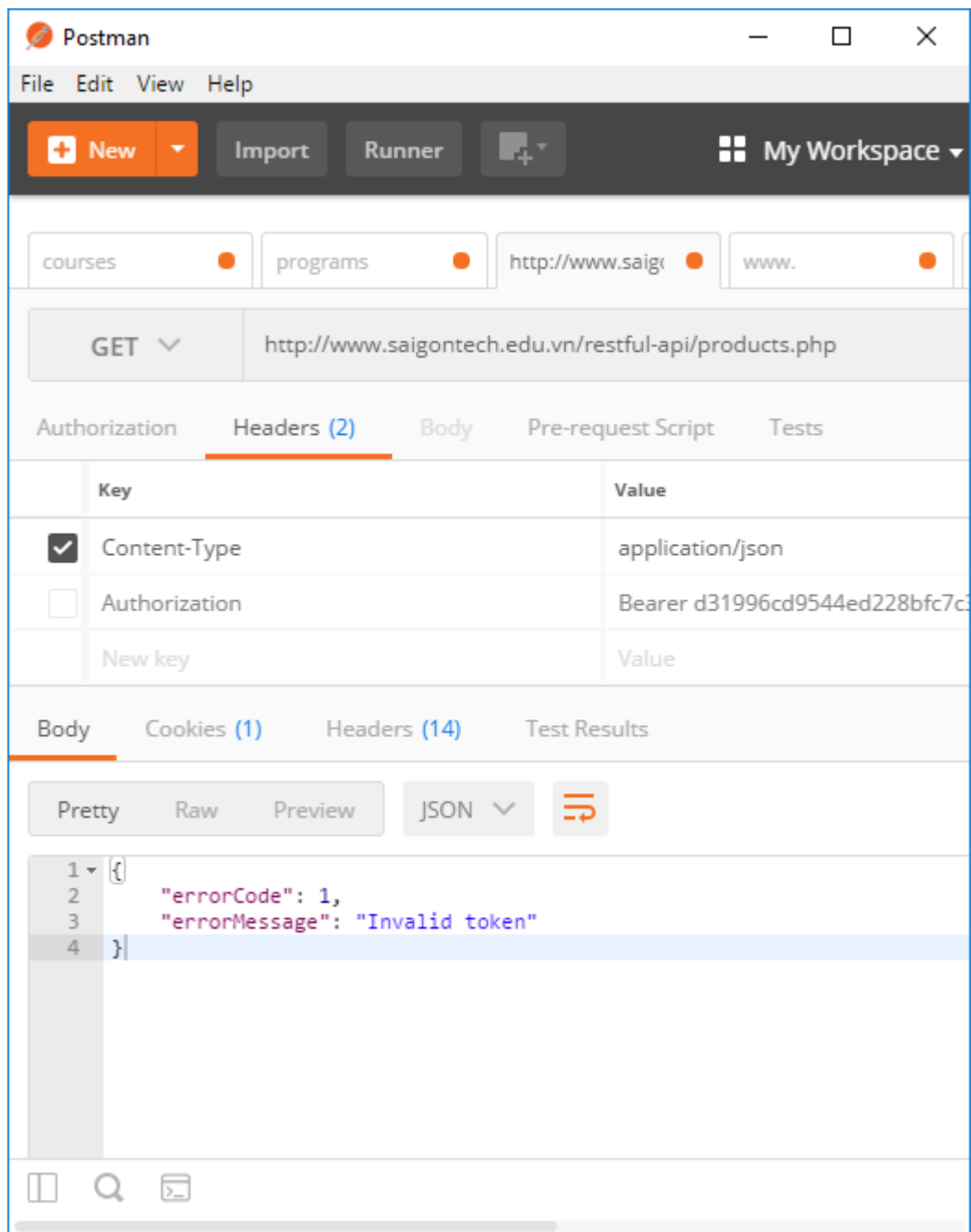
5.3. Create the test scenarios to test the updating existing product api with following cases (students have to create more test cases)

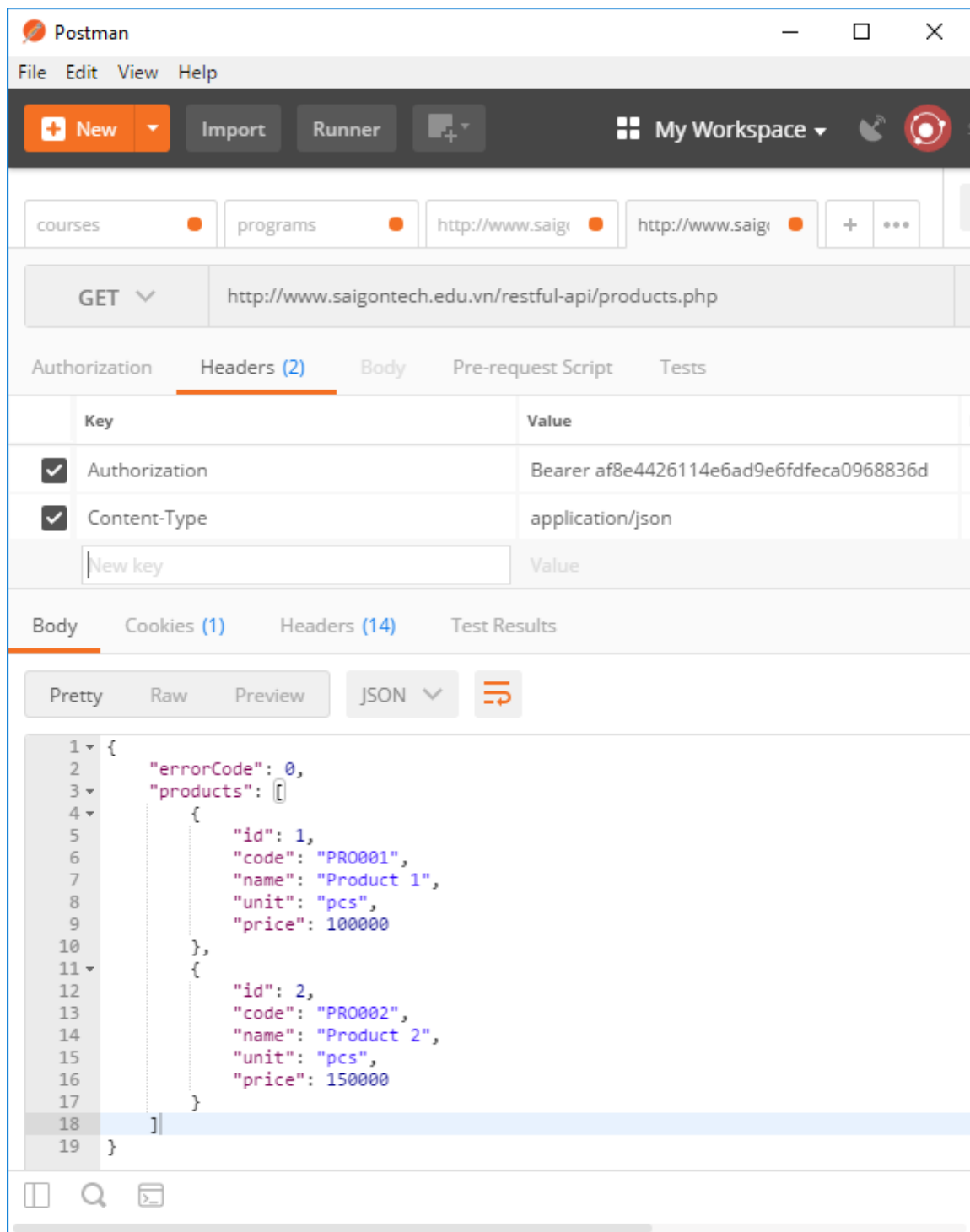




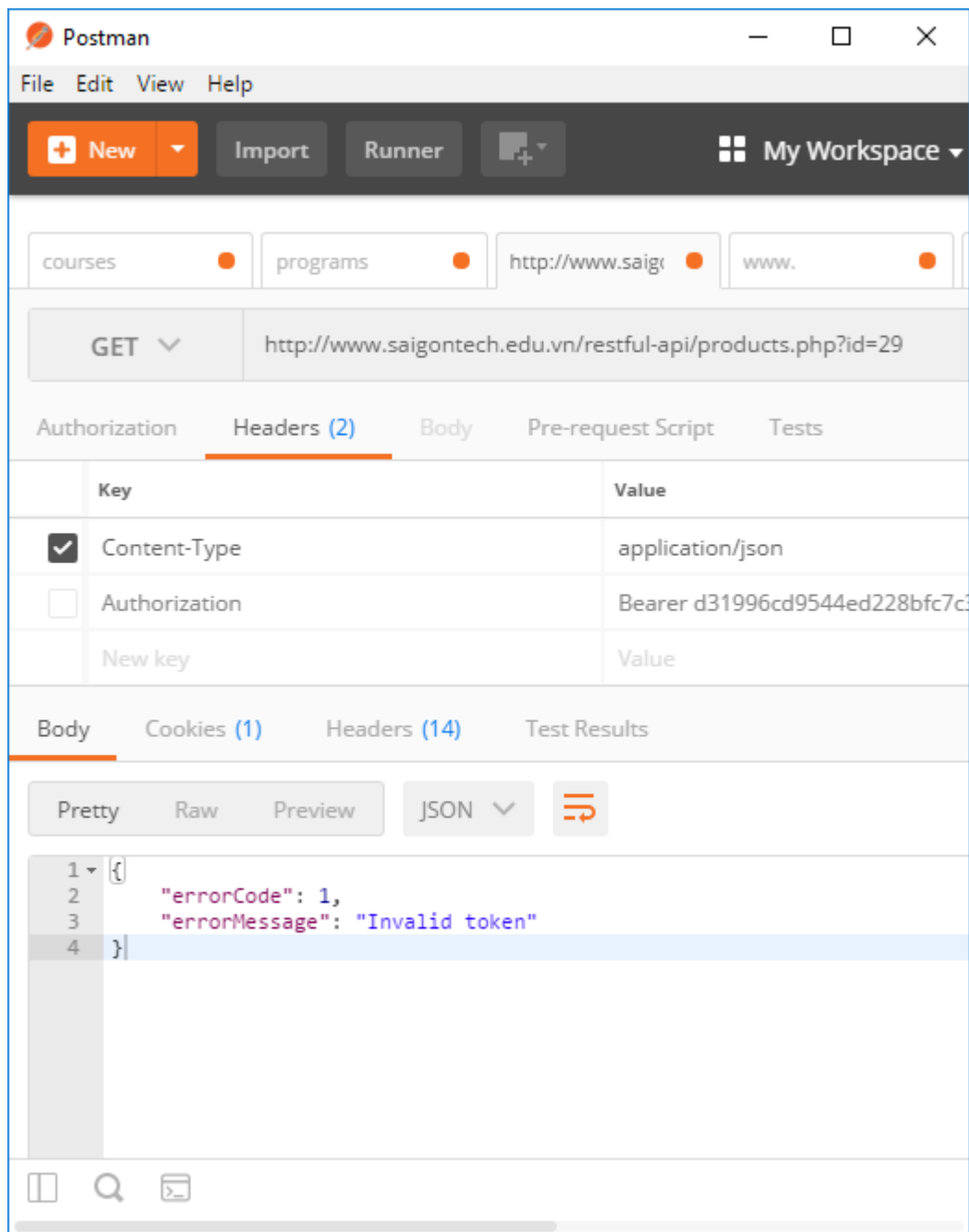


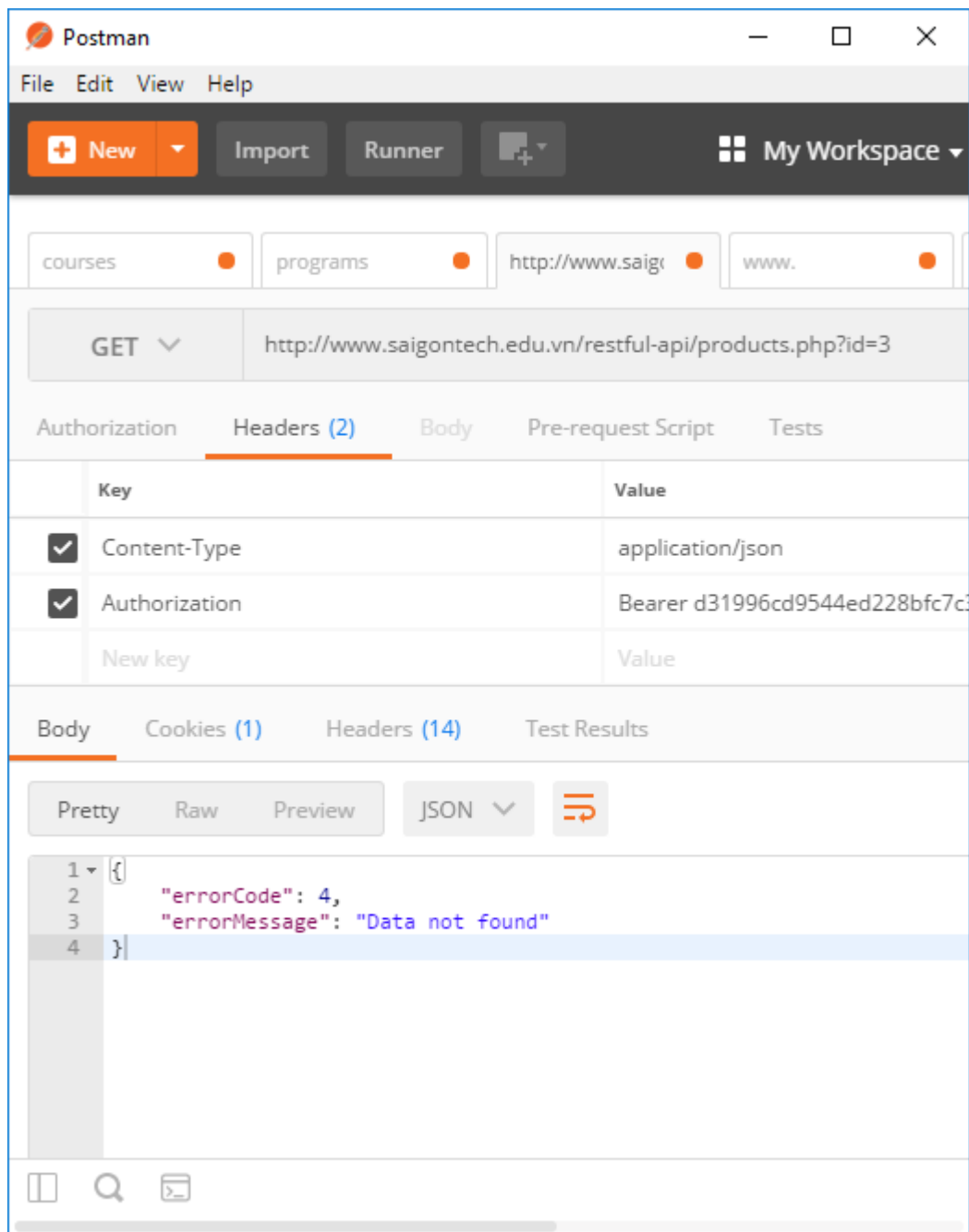
5.4. Create the test scenarios to test the listing product api with following cases (students have to create more test cases)



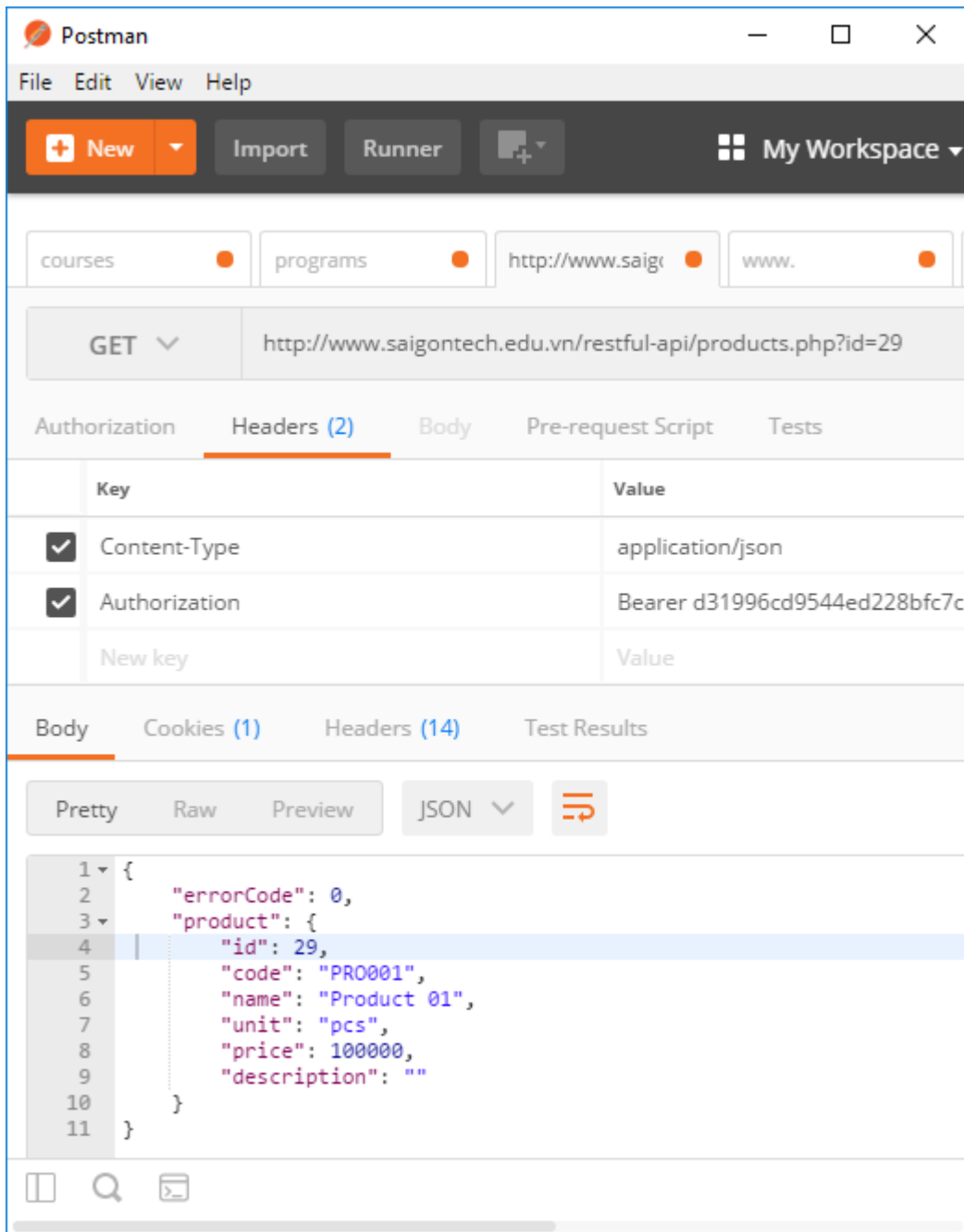


5.5. Create the test scenarios to test the getting a product api with following cases (students have to create more test cases)

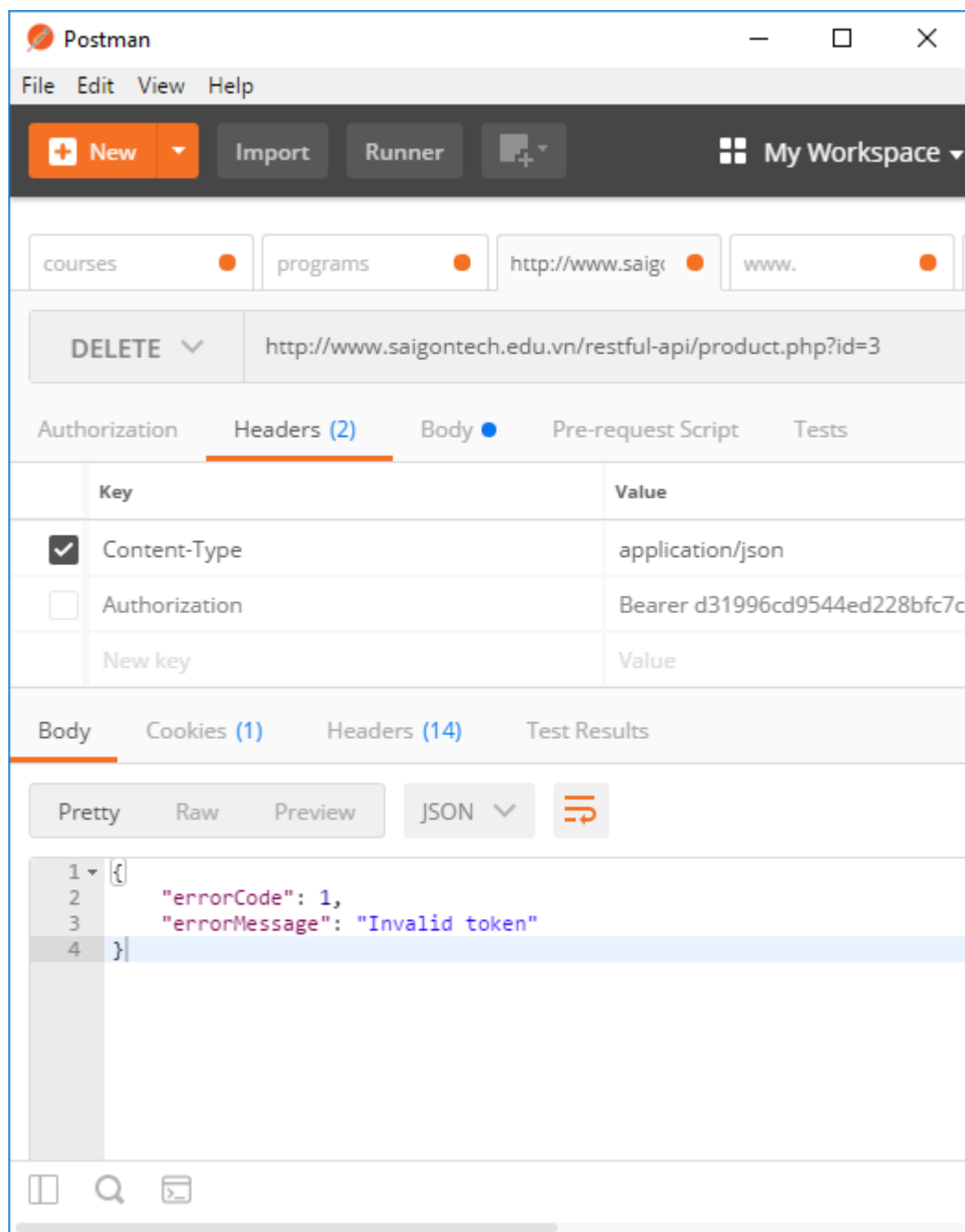


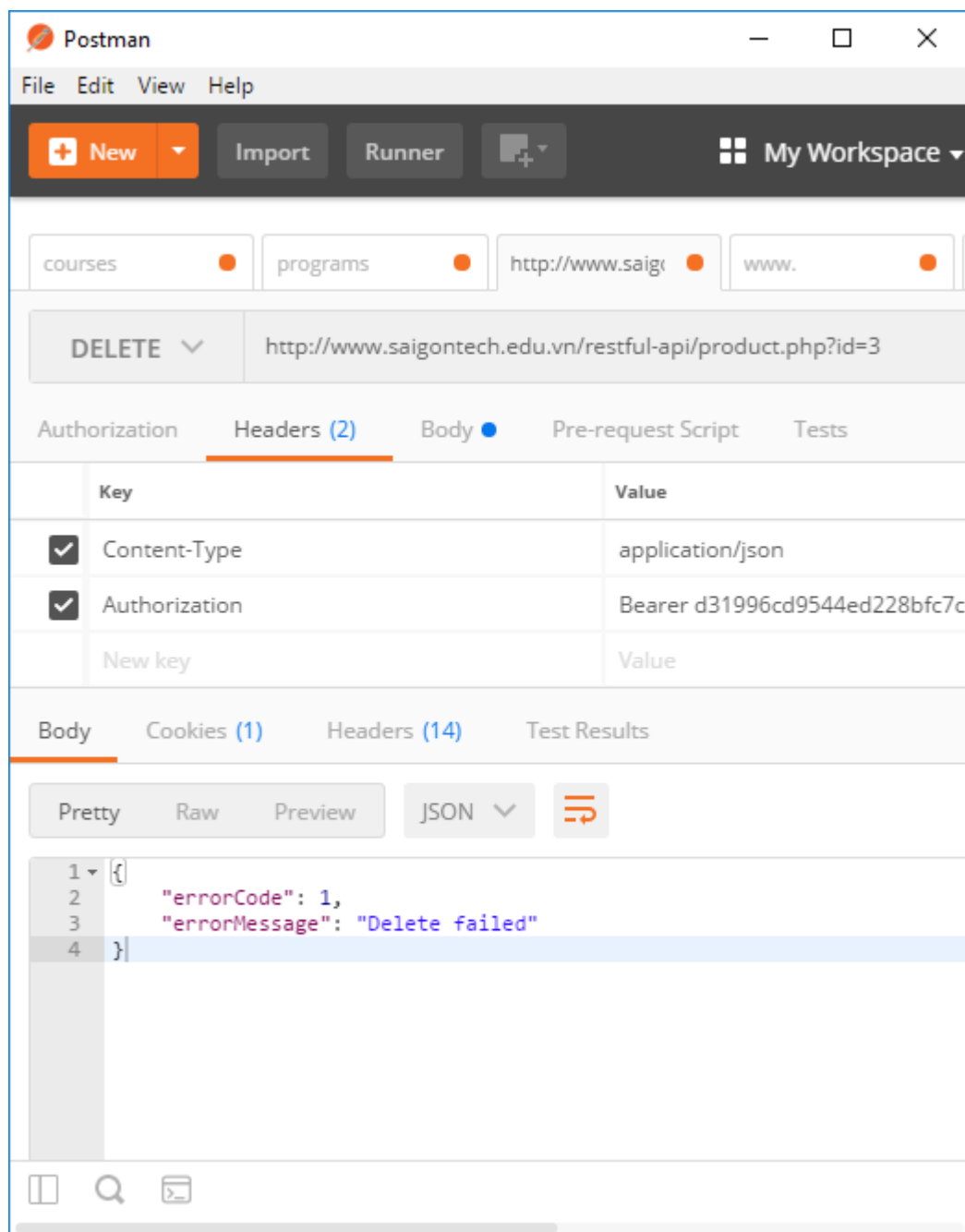


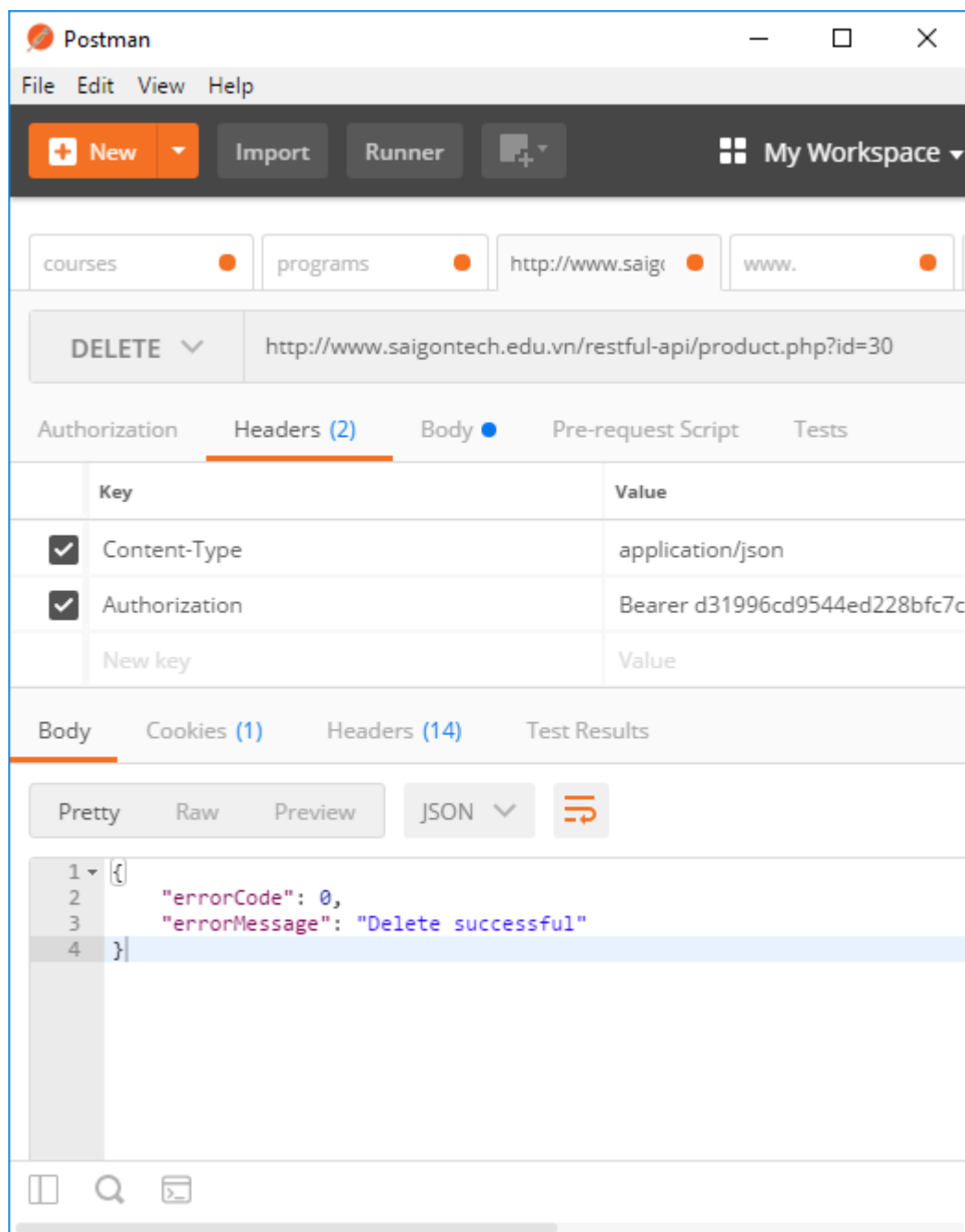




5.6. Create the test scenarios to test the deleting a product api with following cases (students have to create more test cases)







-- The end --