

FINAL EXAM: WEB FRONT-END

Date: **Thursday, June 27th, 2019**

Duration: **90 minutes**

I. Layout (40 points)

Use CoreUI admin template from website <https://coreui.io/angular/> , modify the login page and create a new list page with following layout.

Login

Wrong username or password!

👤

🔒

Login

Forgot password?

☰

Welcome to admin!

🏠 Dashboard

👤 Students

Students

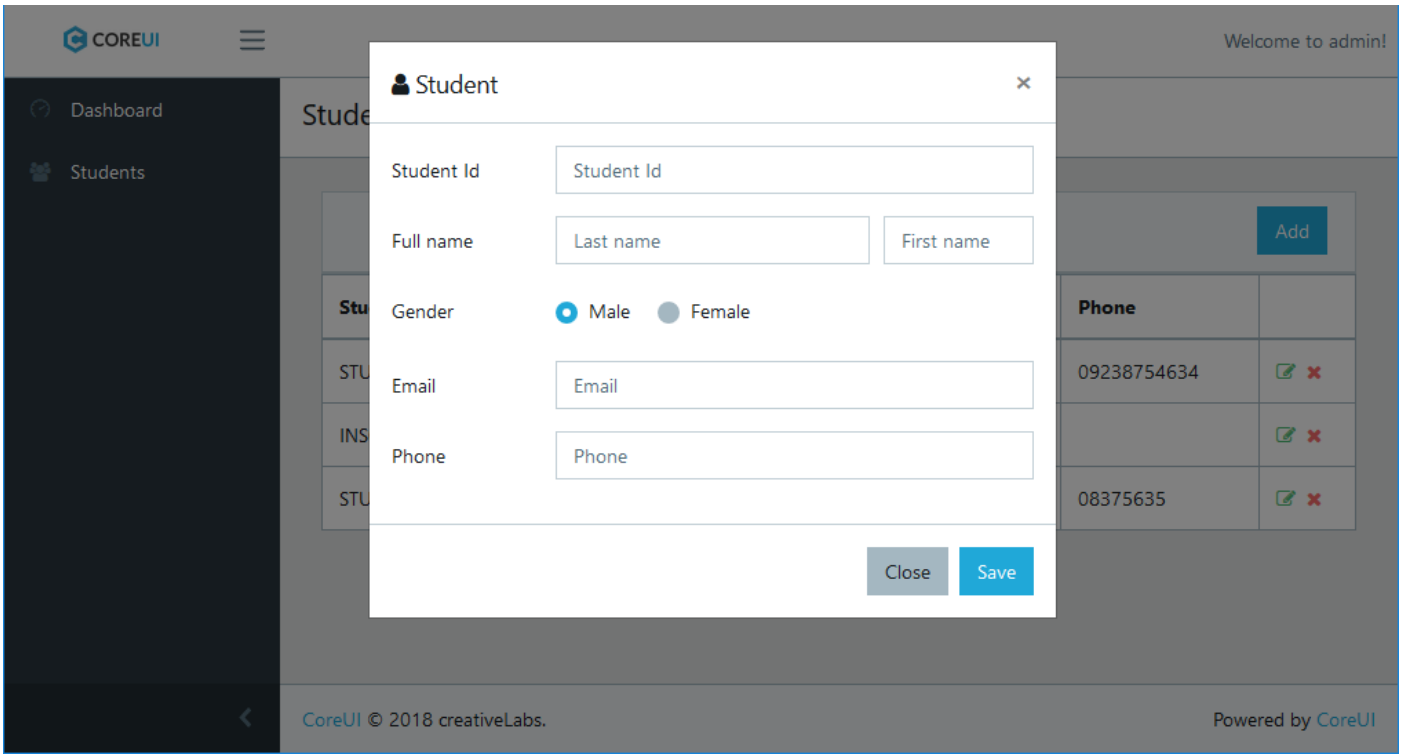
Add

Student Id	FullName	Email	Phone	
STU001	Trần Nguyễn Thanh Nam	namtnt@yahoo.com	09238754634	✅ ❌
INS001	Lê Thanh Sơn	sonlt@gmail.com		✅ ❌
STU002	Đinh La Thanh	thanhdl@gmail.com	08375635	✅ ❌

⬅

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II. Angular (60 points)

1. Using below api for login page

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

- URL:** `http://www.saigontech.edu.vn/restful-api/login.php`
- Method:** POST
- Body:**

```
{  "username": "admin",  "password": "123456789"}
```
- Response:**

```
{  "errorCode": 0,  "data": {    "userId": 1,    "account": "admin",    "fullName": "Web Admin",    "accessToken": "Bearer f9a637c6544e4543754a364cc1665969"  }}
```
- Status:** 200 OK
- Time:** 37 ms
- Size:** 730 B

The interface includes tabs for Params, Authorization, Headers (10), Body, Pre-request Script, Tests, Cookies, and Code. The Body tab is active, showing the request and response in JSON format. The response is formatted as JSON and includes an accessToken.

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

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

Params Authorization Headers (10) Body Pre-request Script Tests Cookies Code

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

```
1 {
2   "username": "admin",
3   "password": "123456"
4 }
```

Body Cookies (1) Headers (14) Test Results Status: 200 OK Time: 43 ms Size: 649 B

Pretty Raw Preview JSON

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

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2. Use “accessToken” and “fullName” values from login page, show user info on header and list all students using below api information:

GET

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

Send

☒ Authorization

Bearer afcd7daadd87b54f62b69035d950d867

Key

Value

Description

Temporary Headers (9)

Body

Cookies (1)

Headers (14)

Test Results

Status: 200 OKTime: 32 msSize: 1.32 KB

Pretty

Raw

Preview

JSON

1 {

2 "errorCode": 0,

3 "data": [

4 {

5 "id": 8,

6 "stuId": 1234567,

7 "firstName": "John12",

8 "lastName": "Smith",

9 "gender": 1,

10 "phone": "09235645",

11 "email": "john.sm@email.com"

12 },

13 {

14 "id": 12,

15 "stuId": 115010006,

16 "firstName": "Bomber",

17 "lastName": "Bower",

18 "gender": 1,

19 "phone": "0913734582234",

20 "email": "bomber.b@gmail.com"

21 },

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3. When user clicks on “**Add**” button, show a dialog allows user to add a new student. Use below api information to add a new student:

POST http://www.saigontech.edu.vn/restful-api/students.php Send

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

```
1 {
2   "stuId": "Test",
3   "lastName": "Trần Nguyễn Thanh",
4   "firstName": "Lan",
5   "gender": 1,
6   "email": "lantnt@yahoo.com",
7   "phone": "09238754634"
8 }
```

Body Cookies (1) Headers (14) Test Results Status: 200 OK Time: 46 ms Size: 757 B

Pretty Raw Preview JSON

```
1 {
2   "errorCode": 0,
3   "data": {
4     "id": 33,
5     "stuId": "Test",
6     "firstName": "Lan",
7     "lastName": "Trần Nguyễn Thanh",
8     "gender": 1,
9     "phone": "09238754634",
10    "email": "lantnt@yahoo.com"
11  }
12 }
```

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POST http://www.saigontech.edu.vn/restful-api/students.php Send

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

```
1 {
2   "stuId": "Test",
3   "lastName": "Trần Nguyễn Thanh",
4   "firstName": "Lan",
5   "gender": 1,
6   "email": "lantnt@yahoo.com",
7   "phone": "09238754634"
8 }
```

Body Cookies (1) Headers (14) Test Results Status: 200 OK Time: 17 ms Size: 639 B

Pretty Raw Preview JSON

```
1 {
2   "errorCode": 5,
3   "message": "Account already exist"
4 }
```

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4. When user clicks on “**edit**” icon of a specific row, show all information of the selected student and allows user to update new information of that student. Use below api information to show and update.

The screenshot displays a REST client interface with a GET request to `http://www.saigontech.edu.vn/restful-api/students.php?id=33`. The request body is a JSON object: `{ "stuId": "Test", "lastName": "Trần Nguyễn Thanh", "firstName": "Lan", "gender": 1, "email": "lantnt@yahoo.com", "phone": "09238754634" }`. The response status is 200 OK, with a time of 41 ms and a size of 757 B. The response body is a JSON object: `{ "errorCode": 0, "data": { "id": 33, "stuId": "Test", "firstName": "Lan", "lastName": "Trần Nguyễn Thanh", "gender": 1, "phone": "09238754634", "email": "lantnt@yahoo.com" } }`. The interface includes tabs for Params, Authorization, Headers (12), Body, Pre-request Script, Tests, Cookies, and Code. The Body tab is active, showing the request and response JSON. The response is formatted as JSON (application/json).

```
GET http://www.saigontech.edu.vn/restful-api/students.php?id=33
```

```
{
  "stuId": "Test",
  "lastName": "Trần Nguyễn Thanh",
  "firstName": "Lan",
  "gender": 1,
  "email": "lantnt@yahoo.com",
  "phone": "09238754634"
}
```

Status: 200 OK Time: 41 ms Size: 757 B

```
{
  "errorCode": 0,
  "data": {
    "id": 33,
    "stuId": "Test",
    "firstName": "Lan",
    "lastName": "Trần Nguyễn Thanh",
    "gender": 1,
    "phone": "09238754634",
    "email": "lantnt@yahoo.com"
  }
}
```

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PUT Send

Params Authorization Headers (12) **Body** Pre-request Script Tests Cookies Code

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

```

1 {
2   "stuId": "Test",
3   "lastName": "Trần Thị",
4   "firstName": "Lan",
5   "gender": 0,
6   "email": "lantt@yahoo.com",
7   "phone": "09238754634"
8 }

```

Body Cookies (1) Headers (14) Test Results Status: 200 OK Time: 53 ms Size: 747 B

Pretty Raw Preview JSON

```

1 {
2   "errorCode": 0,
3   "data": {
4     "id": 33,
5     "stuId": "Test",
6     "firstName": "Lan",
7     "lastName": "Trần Thị",
8     "gender": 0,
9     "phone": "09238754634",
10    "email": "lantt@yahoo.com"
11  }
12 }

```

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5. When user clicks on “**delete**” icon of a specific row, show a confirmation dialogue to confirm user delete that student or not. Use below api information to delete the selected student.

DELETE Send

<input checked="" type="checkbox"/>	Authorization	Bearer afcd7daadd87b54f62b69035d950d867	
	Key	Value	Description

► Temporary Headers (9)

Body Cookies (1) Headers (14) Test Results Status: 200 OK Time: 33 ms Size: 635 B

Pretty Raw Preview JSON

```

1 {
2   "errorCode": 0,
3   "message": "Delete successful"
4 }

```

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-- The end --