

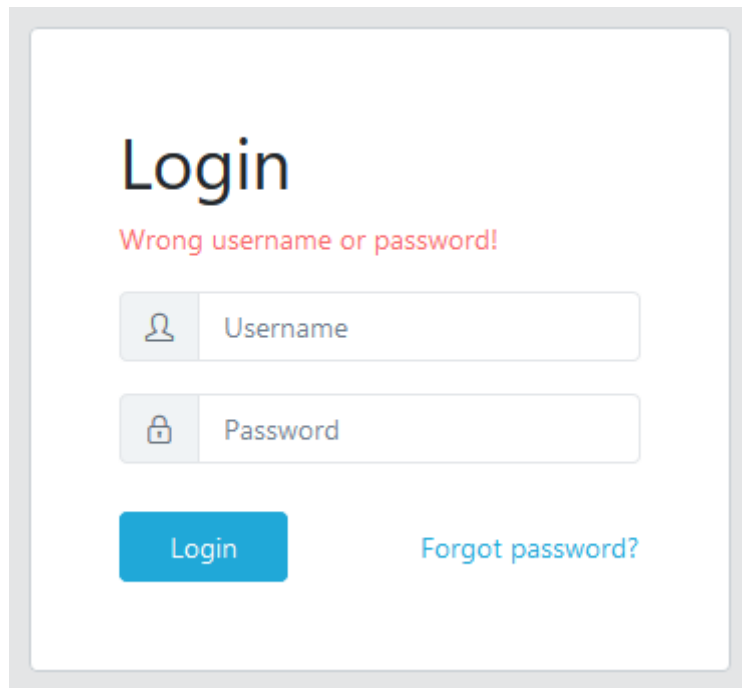
FINAL EXAM: WEB FRONT-END

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

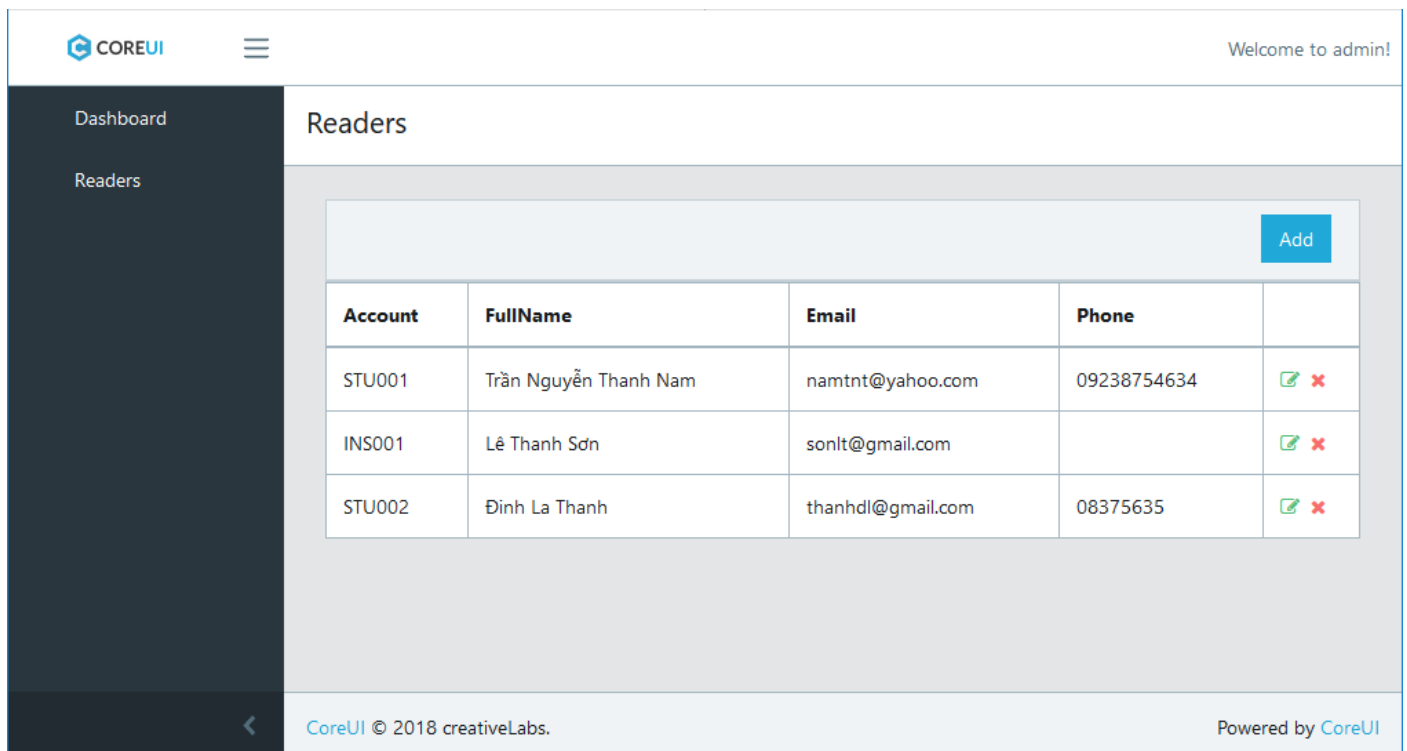
Duration: **120 minutes**

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.

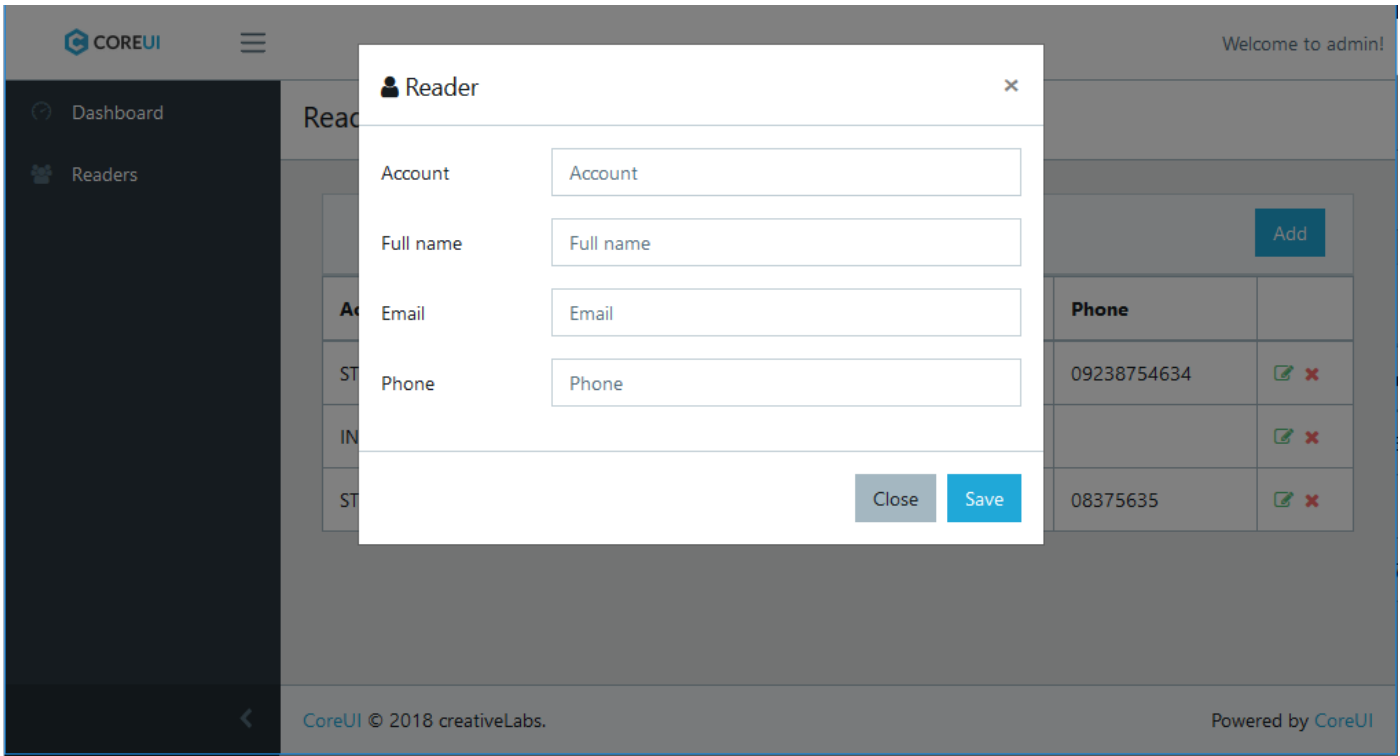


The login form is centered on a light gray background. It features a large 'Login' title in black. Below the title is a red error message: 'Wrong username or password!'. There are two input fields: 'Username' with a user icon and 'Password' with a lock icon. A blue 'Login' button is positioned below the password field, and a blue link 'Forgot password?' is to its right.



The dashboard layout includes a dark sidebar with 'Dashboard' and 'Readers' options. The main content area is titled 'Readers' and contains a table with columns: Account, FullName, Email, Phone, and a status column with green checkmarks and red X's. An 'Add' button is in the top right of the table area. The footer shows 'CoreUI © 2018 creativeLabs.' and 'Powered by CoreUI'.

Account	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	✓ ✗



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 response is shown in a Pretty view, and the Bootcamp logo is visible in the bottom right corner.

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 readers using below api information:

GET
http://www.saigontech.edu.vn/restful-api/readers.php
Send

<input checked="" type="checkbox"/>	Content-Type	application/json	
<input checked="" type="checkbox"/>	Authorization	Bearer f9a637c6544e4543754a364cc1665969	
	Key	Value	Description

Temporary Headers (9)

Body
Cookies (1)
Headers (14)
Test Results
Status: 200 OK
Time: 29 ms
Size: 1.27 KB

Pretty
Raw
Preview
JSON

```

1 {
2   "errorCode": 0,
3   "data": [
4     {
5       "id": 14,
6       "account": "STU001",
7       "fullName": "Trần Nguyễn Thanh Nam",
8       "email": "namtnt@yahoo.com",
9       "phone": "09238754634"
10    },
11    {
12      "id": 22,
13      "account": "INS001",
14      "fullName": "Lê Thanh Sơn",
15      "email": "sonlt@gmail.com",
16      "phone": null
17    },
18    {
19      "id": 25,
20      "account": "STU002",
21      "fullName": "Đinh La Thanh",
22      "email": "thanhd1@gmail.com",
23      "phone": "08375635"
24    }
25  ]
26 }

```

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

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

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

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

```
1 {
2   "account": "Test",
3   "fullName": "Trần Nguyễn Thanh",
4   "email": "namtnt@yahoo.com",
5   "phone": "09238754634"
6 }
```

Body Cookies (1) Headers (14) Test Results Status: 200 OK Time: 48 ms Size: 730 B

Pretty Raw Preview JSON

```
1 {
2   "errorCode": 0,
3   "data": {
4     "account": "Test",
5     "fullName": "Trần Nguyễn Thanh",
6     "email": "namtnt@yahoo.com",
7     "phone": "09238754634",
8     "id": 43
9   }
10 }
```

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

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

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

```
1 {
2   "account": "STU001",
3   "fullName": "Trần Nguyễn Thanh",
4   "email": "namtnt@yahoo.com",
5   "phone": "09238754634"
6 }
```

Body Cookies (1) Headers (14) Test Results Status: 200 OK Time: 34 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 reader and allows user to update new information of that reader. Use below api information to show and update.

http://www.saigontech.edu.vn/restful-api/readers.php?id=43

PUT http://www.saigontech.edu.vn/restful-api/readers.php?id=43 Send

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

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

```
1 {
2   "account": "Test",
3   "fullName": "Trần Nguyễn Thanh Tâm",
4   "email": "namtnt@yahoo.com",
5   "phone": "09238754634"
6 }
```

Body Cookies (1) Headers (14) Test Results Status: 200 OK Time: 62 ms Size: 741 B

Pretty Raw Preview JSON

```
1 {
2   "errorCode": 0,
3   "data": {
4     "account": "Test",
5     "fullName": "Trần Nguyễn Thanh Tâm",
6     "email": "namtnt@yahoo.com",
7     "phone": "09238754634",
8     "id": "43"
9   }
10 }
```

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

DELETE http://www.saigontech.edu.vn/restful-api/readers.php?id=43 Send

☒ Authorization Bearer f9a637c6544e4543754a364cc1665969

Key	Value	Description
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Temporary Headers (9)

Body Cookies (1) Headers (14) Test Results Status: 200 OK Time: 57 ms Size: 635 B

Pretty Raw Preview JSON

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

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-- The end --