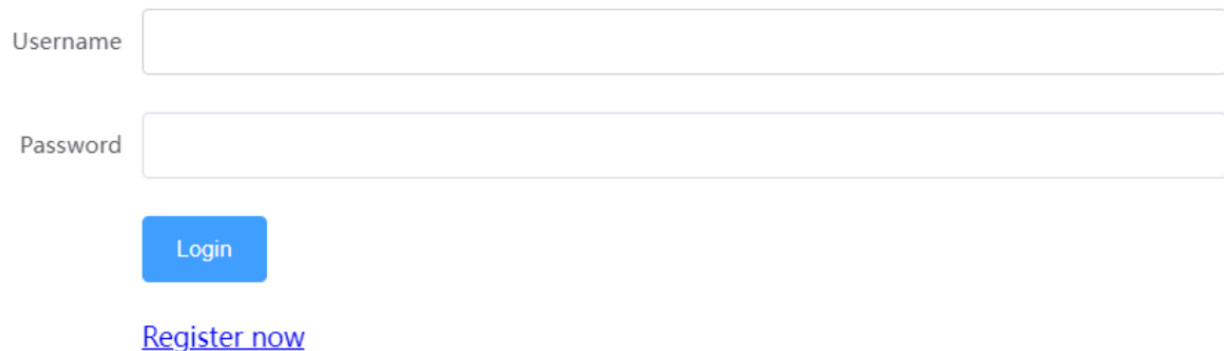


CS309 Assignment 2 Back-End (Elective Assignment)

You can use any framework, any program language and any kind of database to complete this assignment, but your project must contain **an MVC framework and simple web pages**. They can **interact with the database**. There is no need to design beautiful pages (we won't judge the web pages).

Login Module

1. Original



A login form with two input fields: 'Username' and 'Password'. Below the 'Password' field is a blue 'Login' button. Below the button is a blue link that says 'Register now'.

Username

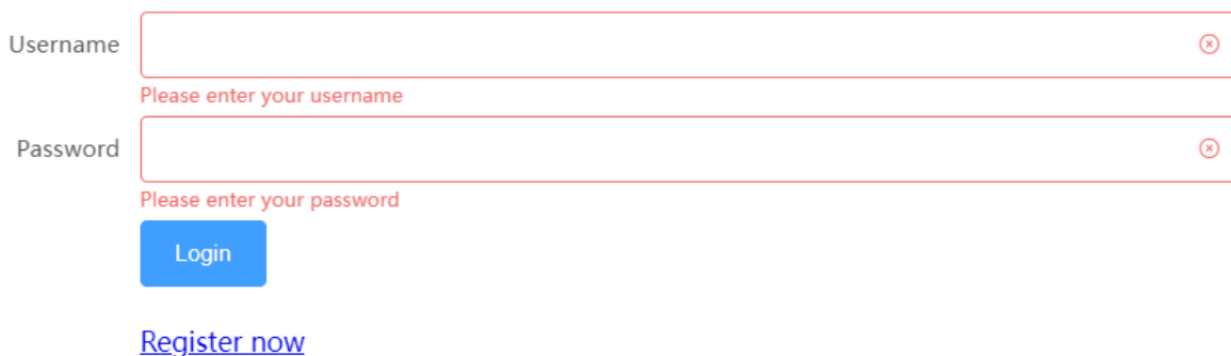
Password

Login

[Register now](#)

2. Null Input Check

Click login button without input anything



A login form with two input fields: 'Username' and 'Password'. Below the 'Username' field is a red error message 'Please enter your username'. Below the 'Password' field is a red error message 'Please enter your password'. Below the fields is a blue 'Login' button. Below the button is a blue link that says 'Register now'.

Username ⓧ

Please enter your username

Password ⓧ

Please enter your password

Login

[Register now](#)

3. Check Username and Password

Click login button with wrong username or password

Username

CS309

Password

.....

Login

Wrong username or password!

[Register now](#)

4. Successfully Verified

Jump to the open conference rooms list page.

Conference Rooms

Room Name	Department	Type	Location	Date	Start Time	End Time	Max Duration	Operation
Room1	Electrical	small	South Building 426A	2023/9/10	08:00	20:00	2h	<div>Delete</div> <div>Edit</div>
Room2	Computer Scince	big	South Building 434A	2023/9/10	00:00	24:00	4h	<div>Delete</div> <div>Edit</div>

Add Room

5. Click Register

Jump to the registration page.

Register Module

1. Original

Username

Password


Confirm Password

Register


[Return to login](#)

2. Check Information

- Username shouldn't be null.

Username 

Please enter your username


Password 


Confirm Password


[Register](#)

[Return to login](#)

- Passwords should be the same.

Username 

Password 


Confirm Password 

The two passwords are different!


[Register](#)


[Return to login](#)

- Username has already been in database.

Username 

Duplicate username

Password 

Confirm Password 

[Register](#)

[Return to login](#)

3. Register Successfully

- Insert a new user into database.
- Jump to the login page and the **registered username is automatically filled** in the input box.

Username

Password

[Register now](#)

Conference Rooms Module

1. Prepare Test Data

Please prepare at least 10 rows in the list of conference rooms in your database.

2. List All

The conference rooms list page needs to display all conference rooms fetched from the database.

3. Insert

- Adding an operation **"add"** (a button), by clicking which, a new page (can be a pop-up dialog, a hidden form in current page or another page) for adding conference room can be opened or jumped into, and you need to fill in the information in the adding page.
- Then click submit button, and a new conference room should be added into database. After the adding operation, it will return back to conference room list page with the new record we just added. In this assignment, you **don't** need to check the validity of the input.

4. Delete

Adding an operation **"delete"** (can be a button or a link) in each row. Please enable the delete operation, which can delete a certain row from database. After the delete operation, it will return back to conference room list page.

5. Edit

Adding an operation **"edit"** (can be a button or a link) in each row. When click the button or the link, it can pass the old value of current conference room to the edit page (can be a pop-up dialog, a hidden form in current page or another page) and then update the information of the conference room in database. After the edit operation, it will return back to conference room list page.

6. Search

Implement the “**search**” operation. Search for conference rooms by **room code** and **date**. List the conference room records that match the search criteria only.

How to check this assignment?

Checking time: Only in lab course.

Checker: Your own lab teacher or student assistants.

Checking Deadline: The **fifth week** of the your lab course. Oct. 18th to Oct. 20th

Checking process: Run your program to your teacher or student assistant, and the checker would give you a grade. We will give you **two opportunities** for this assignment. If the two opportunities are exhausted, we will take the second grade as the final grade of this assignment.

It is also an elective assignment, and we have another two elective assignments(font-end and game). We only mark the grade of these elective assignments for once time, and the final grade of elective assignment is the highest of those three.