Assignment 2 Back-end (Elective)

You can use any frame, any program language and any database to complete this assignment, but your project must contain MVC framework, have web page, and be interacted with database. We do not have any requirements for designing beautiful web page.

Login Model:

1. Original:

please login the system
username:
password:
login

Register a user

2. Click without input anything

please login the system
username: user name shouldn't be none
password: password shouldn't be none
login

Register a user

3. Click with wrong username or password

please login the system
username:
password:
login
the username or password is wrong

Register a user

4. Click with correct username and password.

It will jump to hotel list web page

Hotel List

Hotel Name	City	District	Date	Earliest check-in time	price	Room Type	Operation
Sheraton	SHEN ZHEN	FU TIAN	2021-10-01	14:00	953	Standard Room	Delete
Intercontinental	SHEN ZHEN	YAN TIAN	2021-10-02	13:00	3940	King Bed Room	Delete

Add Hotel

5. Click Register

It will jump to register web page

Register Model:

1. Original:

username:

password:

confirm password:

Register

Return back to login page

2. Give complete Check

- input shouldn't be null

username: user name shouldn't be none

password: •••••

confirm password:

Register

Return back to login page

- password are same

username: hello
password: •••••
confirm password: ••••• two passwords are not same
[Register]

Return back to login page

- username is already in database

username: hello this username has been registered
password: •••••
confirm password: •••••
[Register]

Return back to login page

3. Register Successful

- insert a new user into database
- jump to the login page with the **username** we just registered.

please login the system
username: hello
password:
[login]

Register a user

Hotel Model:

1. Prepare Test Data

Please prepare at least 10 rows in the table of hotels in your database.

2. List All

When visiting the hotel list web page, it needs to list all hotels fetched from database.

3. Insert

- Adding an operation "**Add Hotel**" (a button), by clicking which, a new page (The page can be a pop-up dialog, a hidden form in current page or another page) for adding hotel can be opened or jumped into, and you need to fill in the information in the adding page.
- Then click add button, and a new hotel has been added into database. After the adding operation, it will return back to hotel list page as original style with the new record we just added. In this assignment, you don't need to judge the valid 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 the hotel in current row from database. After the delete operation, it will return back to hotel list page as original style.

5. Update

Adding an link in each `<td>` tag of hotel name. When click the hotel name, it can pass the old value of current hotel to the update page (The page can be a pop-up dialog, a hidden form in current page or another page) and then update the value of hotel from database. After the update operation, it will return back to hotel list page as original style.

6. Select

Complete the **searching** operation. You need to modify the hotel list page, and only list hotels according to the searching result. In this case, you need to complete the searching function by **Date** and **Room Type**.

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. 16th to Oct. 18th

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