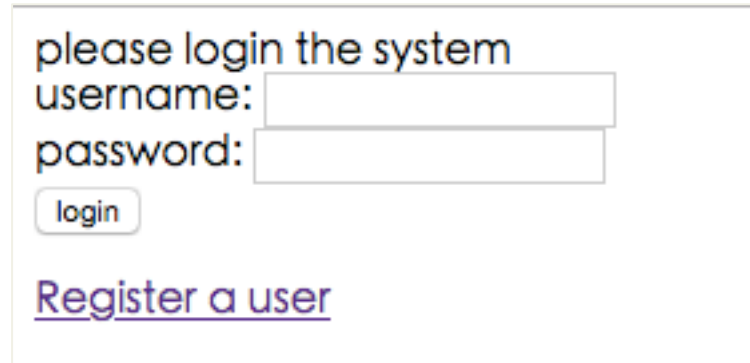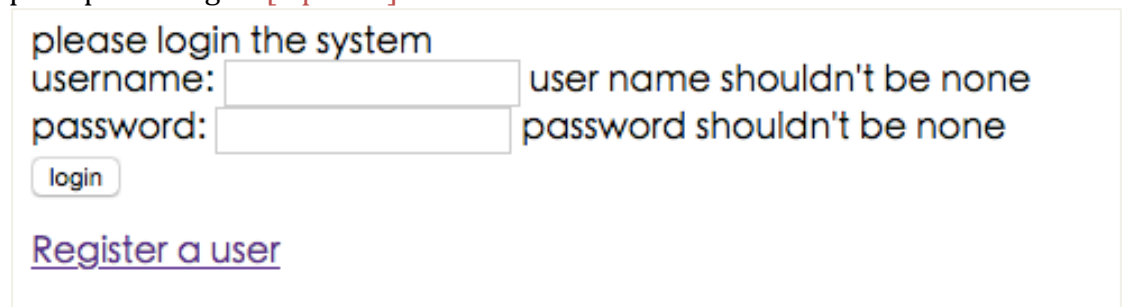**Elective Assignments for rear-end**

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.
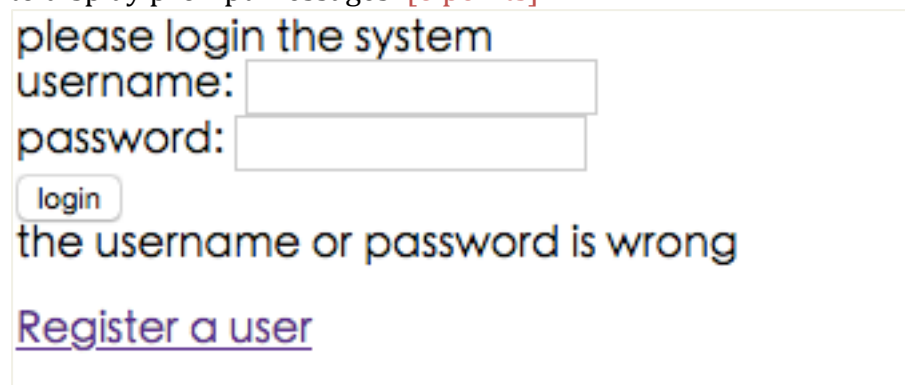
1. Login model:

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

   Register a user

   - If we click Login without input anything, the page needs to display prompt messages: [6 points]

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

     Register a user

   - If we click Login with a wrong username or password, the page needs to display prompt messages: [6 points]

     please login the system
     username: _____
     password: _____
     [login]
     the username or password is wrong

     Register a user

   - If we click Login with a correct username and password that can be find in database, it will jump to the Parking Record web page and list all parking records. [6 points]

SUSTech Parking Record

License Plate Number	Entrance Number	Date	Arrival Time	Staff Name	Status		
粤B66666	1	2019.10.09	09:08	ZHANG Yuqun	In	Delete	Update
粤BF12345	3	2019.09.28	08:07	ZHU Yueming	Out	Delete	Update

Add Record

- If we click "Register" (it can be a link or a button), it can jump to Register webpage. [6 points]

2. Register Web Page:

username: [   ]
password: [   ]
confirm password: [   ]
[Register]

Return back to login page

- Add some messages to prompt the input type shouldn't be null. [6 points]

username: [   ] user name shouldn't be none
password: [•••••]
confirm password: [   ]
[Register]

Return back to login page

- To check whether two password is same, and given prompt message if not. [6 points]

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

Return back to login page

- If the username is in database, adding message that prompt use it. [6 points]

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

Return back to login page

- If the input message is correct, click Register to insert a new user into database. [6 points]
- Then, jump to the User Page with the username we just registered.

please login the system
username: hello
password:
login

Register a user

[6 points]

3. Parking record Model:
    - Please prepare at least 10 rows in the table of parking record in your database for our test. [6 points]
    - When visiting the Parking record Web Page, it needs to list all parking records fetched from in database. [6 points]
    - Adding an operation "**adding record**" (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 Parking Record can be opened or jumped into, and you need to fill in the information in the adding page. [5 points] Then click add button, and a new Parking Record has been added into database. After the adding operation, it will return back to "Parking Record" page as original style with the new record we just added. [5 points] In this assignment, you don't need to judge the valid input.
    - Adding an operation "**delete**" (can be a button or a link) in each row, Please enable the delete operation, which can delete the Parking Record in current row from database. After the delete operation, it will return back to "Parking Record" page as original style. [6 points]
    - Adding an operation "**update**" (can be a button or a link) just besides the "delete" Operation in each row in "Parking Record" page. Please enable the update operation, which can pass the old value of current parking record to the update page [6 points] (The page can be a pop-up dialog, a hidden form in current page or another page) and then update the value of parking record from database. After the update operation, it will return back to "Parking Record" page as original style. [6 points]

- Complete the **searching** operation. You need to modify the "Parking Record" page, and only list the record according to our searching result. In this case, you need to complete the searching function by **Date** and **Staff Name**. [6 points]

How to check this work?
Please run it in your own computer, and show your result to us **in lab course** before **3:50 pm**. in **November. 8th.**

It is also an elective assignment, and we only mark the grade of these elective assignments for once time, and the final grade of elective assignment is the highest of those two.