WEB PROGRAMMING AND APPLICATIONS

(503073)

WEEK 3

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Exercise 1: You are given a login form as bellow:

Your mission is to write javascript to validate the form's information before the submission. When a user press the **Submit** button, the following conditions must be checked:

- All fields must be fulfilled.

- A valid email is entered.

- Password must contain at least 6 characters.

You should check the conditions in the order listed above. If one of the conditions is failed, you need to stop the validation and show the corresponding error message immediately. Here are some examples of the error messages:

- *"Please enter your email"*.

- *"Your email is not correct"*.

- *"Please enter your password"*.

- *"Your password must contain at least 6 characters"*.

When showing the error message, the corresponding field need to be focused. And after the user click on the field to edit, the error message need to be disappeared.

Login

Email:

Enter email

Password:

Enter password

Please enter your email

Submit

Exercise 2: Write javascript code to add new student to the end of the table. You should check to prevent user to leave a field empty and show an appropriate error message. If a user click on Detele button, the student will be removed from the table.

Add student

First name:

Enter first name

Last name:

Enter last name

Email:

Enter email

Add

Firstname	Lastname	Email	Delete
John	Doe	john@example.com	Delete
Mary	Moe	mary@example.com	Delete

Exercise 3: You are given a web page. Your task is to write javascript code for the web page behaves like the image below.
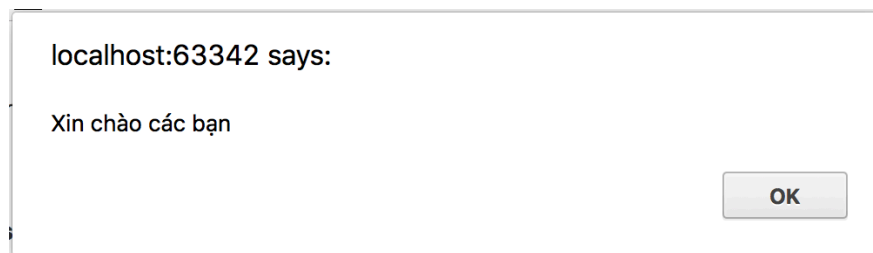
Message will be here

Message:

Enter new message

Color: Black

Bold: ☐ **Italic:** ☐ **Underline:** ☐

Show message

When a user enter a message or change text color or change text style, the text of "message will be here" will be changed accordingly.

If the user click on "**Show message**" button, a pop up dialog will appear and display the user's message.

Exercise 4: Create a photo slide show site like the one shown below:

Requirements:

- By default, the site will display the first image in the list.

- When a user clicks on the **Next** or **Back** button, the corresponding image will be displayed.

- If a user clicks on the **Next** button when the last image is showing, the first image will be displayed (and vice versa).

- If the user presses the **Start slideshow** button, the image will be changed automatically after 1 second.

- If the web page is in slideshow mode, the **Next**, **Back** buttons will be disabled and the "**Start slideshow**" button will be changed to "**Stop slideshow**".

- When the user presses the "**Stop slideshow**", the state of the buttons is back to the original.