WEB PROGRAMMING AND APPLICATIONS

(503073)

WEEK 4

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

User Login

Email:

> Enter email

Password:

> Enter password

> Submit

Your need to write javascript code to validate the form's information when user click the submit button. When the **submit** button is clicked, the following conditions must be checked:

- All fields should be fulfilled.

- A valid email should is entered.

- Password must contain at least 6 characters.

User Login

Email:

> Enter email

Password:

> Enter password

Please enter your email address.

> Submit

The conditions must be validated in the order listed above. If one of the conditions is failed, you should stop the validation and display 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 text field should be focused and then if the user click on text field, the error message should be disappeared.

Exercise 2: Write javascript code to add new student to the end of the table. You should check the input to avoid the user leaving a field blank. Display an appropriate error message when something went wrong. If a user click on the delete button, the corresponding student will be removed from the table.

Student Management

First name:

```
Enter first name
```

Last name:

```
Enter last name
```

Email:

```
Enter email
```

| Add | Reset |

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.

Text content:

```
Enter new text
```

Text color:

```
Red                                    ⇕
```
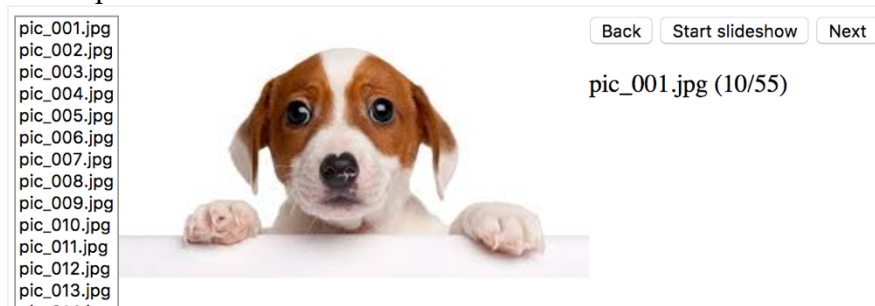
⚪ Bold
🔵 Italic
⚪ Underline

Restore Default

This text will be changed immediately when typing new text.

When a user enters a message or changes text color or changes the text style, the text and style of green alert box will be changed accordingly.

If the user click on "**Restore Default**" button, all input fields will be restored to their default value.

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.