

**CS 207: Applied Database Practicum**  
**In-Class Activity 2: Introduction to JavaScript and PHP, 26<sup>th</sup> August, 2019**

In this activity, you will have to create a Password validation form similar to the one attached below.

1. Please create a webpage which takes as input your name and password. (Use <form> tag to create the Password validation form)

Password Validation

A screenshot of a web form titled "Password Validation". It contains two input fields: "Username" and "Password". Below these fields is a green "Submit" button. The form is currently empty.

2. The password should contain a lowercase character, an uppercase character, a number and its length should be greater than 8.

Use JavaScript and DOM object to make the message box (use <div>) appear and disappear (e.g document.getElementById)

Password Validation

A screenshot of the "Password Validation" form. The "Username" field contains "Varun Dutt" and the "Password" field contains "1". Below the form, a green "Submit" button is visible. Underneath the button, a message box is displayed with the text "Password must contain the following:" followed by four red error messages: "A lowercase letter", "A capital (uppercase) letter", "A number", and "Minimum 8 characters".

3. Validate that the password contain a lowercase character, an uppercase character, a number and its length should be greater than 8.

Password Validation

A screenshot of the "Password Validation" form. The "Username" field contains "Varun Dutt" and the "Password" field contains "...". Below the form, a green "Submit" button is visible. Underneath the button, a message box is displayed with the text "Password must contain the following:" followed by four validation messages: "A lowercase letter" (green), "A capital (uppercase) letter" (green), "A number" (green), and "Minimum 8 characters" (red).

As can be seen from the image above the password length is not 8 characters so the message box is showing “Minimum 8 characters” as red while the others are green. Use the class-list property to add and remove the color of the text.

To check if password contains lowercase character, uppercase and numbers use the following:

```
var lowerCaseLetters = /[a-z]/g;
```

```
var upperCaseLetters = /[A-Z]/g;
```

```
var numbers = /[0-9]/g;
```

3. **Bonus:** ONLY if you have done the above steps, then you can try this bonus for an extra point.

Using the POST/GET method display the username and password in another webpage.

