

<u>Project 8: Javascript – DOM, events</u>	<u>CS 456: Spring 2018</u>
<u>Assigned: Fri, March 23, 2018</u>	

Due: Fri, March 30 or earlier, at beginning of class, on the server

Objectives: Using Javascript, event handling and the DOM.

Assignment:

- 1 – Inside the projects directory, create a directory named project8
- 2 – Inside the project8 directory, you should have 4 files: project8.html, project8.css, project8.js and project8.php.
- 3 – The project8 directory and the 4 files inside it should have the following permissions: everything for you, and only read and execute for the group and the others.
- 4 – You need to get or create two images (gifs, jpegs, pngs, ..), a green checkmark and a do not enter sign (or equivalent), and sftp them into your project8 directory.
- 5 – In the project8.html file, you should display a form that is asking the user to enter a username, a password (2 times), and a zip code. Do not include any inline or internal style in project8.html. Do not include any javascript code other than some function calls for some events (submit, key events, ..).
- 6 - Inside project8.css, you should have the appropriate styles for project8.html.
- 7 – Inside project8.js, you should have your Javascript code to handle events.

If the username field is left empty and the user tries to submit the form, show a red comment on the right of the username to let the user know that that field should not be empty; do not submit the form.

If the two passwords are either empty or do not match, and the user tries to submit the form, show a red comment on the right of the second password explaining the issue; do not submit the form.

If the zip code field does not contain exactly 5 digits and the user tries to submit the form, show a red comment on the right of the zip code field explaining the issue; do not submit the form.

As the user types into the first password field, display one of the two images on the right of that first password field. You should show the green checkmark or the do not enter sign. If the password entered does not contain at least 8 characters and at least 1 digit, display the do not enter sign; otherwise, display the green checkmark.

If the username is not empty, the zip code contains exactly 5 digits, the two passwords match and are not empty and contain at least 8 characters and at least 1 digit, and the user is trying to submit the form, submit it and show a very simple web page thanking the user for the submission.

Grading (100 points):

- 1 directory and 4 files: 1 point each (5 points)
- Permissions for the directory and 4 files: 1 point each (5 points)
- 2 images sftped in the directory (4 points)
- Project8.html is correct (5 points)
- Project8.css is included properly (5 points)
- Project8.js is included properly (5 points)

If the username field is empty, the red comment shows (but does not if the username field is not empty) (10 points)

If the username field is empty, the form is not submitted when the user clicks on the submit button (5 points)

If the password fields are empty or do not match, the red comment shows (but does not if the password fields are not empty and match) (10 points)

If the password fields are empty or do not match, the form is not submitted when the user clicks on the submit button (5 points)

If the zip code field does not contain exactly 5 digits, the red comment shows (but does not if the zip code field contains exactly 5 digits) (10 points)

If the zip code field does not contain exactly 5 digits, the form is not submitted when the user clicks on the submit button (5 points)

As the user types inside the first password field, the appropriate image shows on the right of that password field (10 points)

If the first password field does not contain at least 8 characters and 1 digit, the form is not submitted when the user clicks on the submit button (5 points)

When the form is submitted, the PHP script works (5 points)

Everything lines up well – no shifting as the user interacts with the page (6 points)

Testing:

You should test that your program produces the correct results inside a browser.

Submission Details:

Leave your files on the server.