Assignment 4: Registration Form (10% of total grade)

Format: Upload zipped folder containing all files to Blackboard.
BE SURE TO PUT YOUR NAME IN THE FILENAME: e.g. Assign4-*YourName*.zip
Purpose: To reinforce and assess form handling techniques learned in class.

REQUIREMENTS: Create the JavaScript to handle the provided registration form. <u>You may not make changes to the HTML file</u>. (see rubric on page 2)

Part 1: SHOW & HIDE   *(1%)*

Note: This form will not redirect to a different page. For this exercise, we are using the same page to display the confirmation message, so your code must stop the form from submitting fully using the technique demonstrated in class.

1. Upon submitting the form, the header and form disappear, and the user sees the hidden confirmation message block (no form values required).

Part 2: OUTPUT   *(3.5%)*

2. The user will see a confirmation message:
*"**FIRSTNAME LASTNAME** (**HUMBERID** in **FULL PROGRAM NAME**) has been registered for the **PROJECT** project."* with the words in bold uppercase replaced by dynamic values retrieved from the form. *They should not be in bold uppercase.*

Part 3: VALIDATION   *(3%)*

3. If the user does not make a selection for a form field, the field will turn red and receive focus. For radio buttons, the caption <p> background will turn red on error, and focus does NOT need to be applied.

STRETCH GOAL: CHECK IT WITH REGEX   *(2%)*

4. Create a regular expression to validate the Humber ID. A Humber ID pattern starts with "N" (uppercase or lowercase), followed by 8 numbers.

TIPS
- **Do one field at a time**, and keep your JavaScript console open to watch for errors.
- Use (temporary) alerts and console logs to check values that you are getting from the form.
- In your console options (gear icon on far right) check 'Preserve Log'. This will show errors that happen if your page refreshes (flashes) before you can see the error message. You can clear the console by clicking the circle with the line through it (top right of console window).

Marking Rubric

Criteria	Proficient	Competent	Novice
Page Panels on Form Submit	1	0.5	0
	The header and form disappear; the output message block appears.	The form disappears; the output message block appears.	The form does not disappear, or the output message block does not appear.
Output Values	2.5	1	0
	All input values are shown in the confirmation message.	The message is missing a field.	Two or more fields are missing from the output message or dedicated spans in the provided HTML were not used.
Program Name	1	0	0
	The full program name shows in the output.	The program short code shows in the output.	The program is not shown in the output.
Validation	3	1	0
	Any field that does not receive a valid value turns red (on submit) and focus is set to that field (except for radio buttons).	Fields are validated out of the order that they appear on the form, are missing focus, or all invalid fields light up at once.	Any field is missing validation.
Regular Expression	2	1	0
	A regular expression has been created and implemented to check for a Humber ID pattern.	The regular expression allows only uppercase or lowercase "N" (but not both), or allows for fewer or more than 8 numbers.	No regular expression is used, or it does not match the pattern of a Humber ID.
Professional Practice	0.5	0	0
	The js file has navigational and explanatory commenting, and all self-reflection questions have been answered.	Commenting is inconsistent or unhelpful, or more than two questions have not been answered.	Commenting is inconsistent or unhelpful, and more than two questions have not been answered.
Critical Fail	**0 for the assignment**		
	Any changes have been made to the provided HTML file other than adding a script element.		