Name: _____   Mark: _____/ **100**

Instructions

Previously, you created some script for form validation. For this assignment, you can use the same form, and even some of the same JavaScript. However, you will need to use regular expressions this time to validate the following:

- First name
- Last name
- Email Address
- Phone Number
- Postal Code
- URL
- Age

You are free to use regular expressions found on the Web, but keep in mind that some of these may be incorrect, or needlessly complex. You will receive a better mark if your RegEx is efficient and correct for the data you are trying to validate.

Requirements

1. **First name** and **last name** validation. Be sure that there are no numbers or special characters in the first and last name.
2. **Email Address**: Split the email address up at the "@" symbol, and the "." character, and check each part separately with regular expressions.
3. **Phone number**: Make sure to allow for parentheses, hyphens, and dots/periods. All these phone numbers should be allowed:

    (204) 555-1212
    204.444.2323
    204-555-3434

4. **Postal Code**: Validate a Canadian postal code (ie: R3C 4C0) so that it follows letter, number, letter, space, number, letter, number.
5. **URL**: Make sure it starts with http:// or "https://
6. **Age**: Make sure this data is comprised of only numerical characters.
7. **Negation**: Use at least one regular expression using negation (matching characters which are NOT in the pattern), and show the user with an alert or innerHTML at least one of those characters.
8. All the above need to use regular expressions and/or a combination of regular expressions and JavaScript string methods, to receive marks.

Submission Guidelines

Upload your finished assignment to the specified OneDrive folder by the due date. If you have associated files (images, stylesheets, etc) **make sure to includet these in your folder**. If you have a single HTML page, there is no need to upload a folder. Just the file.

*Code copied from other people, other sources, from course PDFs, or copied from in-class examples (**unless otherwise specified**) is plagiarism. Please refer to the "Academic Misconduct" section of your course outline.*

Folder/File name: "**21129_2001_Assignment2(lastname_Firstname)**"

Due Date and Time:

Tuesday, July 14, 2020 at 09:00 a.m.

Marking Criteria

Marks for this project will be given as follows:

Criteria	Needs Work	Proficient	Excellent	Mark
First Name	No RegEx for first name found.	RegEx is overly complex, or doesn't work properly.	First name validation as required using regex.	
	0	1-9	10	**/ 10**
Marking Comments				
Last Name	No regex for last name found.	RegEx is overly complicated, or doesn't work properly.	Last name validation as required using regex.	
	0	1-9	10	**/ 10**
Marking Comments				

Email Address	No regex for email address found.	Email address uses a single regex (no splitting) (10 marks) Email address regex is overly complex or doesn't work properly. (1-19 marks)	Email address is split up as required, with regular expressions checking each part.	
	0	1-19	20	**/ 20**
Marking Comments				
Phone number	No regex for phone number found.	RegEx is overly complicated, or doesn't work properly.	Phone number validation as required using regex.	
	0	1-9	10	**/ 10**
Marking Comments				
Postal Code	No regex for postal code found.	RegEx is overly complicated, or doesn't work properly.	Postal code validation as required, using regex.	
	0	1-9	10	**/ 10**
Marking Comments				
URL	No regex for URL found.	RegEx is overly complicated, or doesn't work properly.	URL validation as required using regex. Check the protocol, domain name and TLD.	
	0	1-9	10	**/ 10**
Marking Comments				
Age	No regex for age found.	RegEx is overly complicated, or doesn't work properly.	Age validation as required, using regex.	
	0	1-9	10	**/ 10**
Marking Comments				

Negation	No negation regex found.	Negation found, but incorrect characters are not shown to the user. (10 marks) RegEx is overly complicated, or doesn't work properly.	At least one negation regex used, with feedback given to the user about which character is not allowed.	
	0	1-19	20	**/ 20**
Marking Comments				
			Total Marks	**/ 100**

Additional Comments	