

## (420-WE6-AB) Web development I | FALL 2022

### Test #1 [Worth 20%]

**Due: 12 September 2022 at noon on Lea**

### Question: USER REGISTRATION

Design a PHP web application to register a user based on some validation constraints and then save the collected information into a file. The registration page contains several fields as depicted in the figure below.

### USER REGISTRATION

Fields marked \* are required.

Email *	<input type="text"/>
Password *	<input type="password"/>
Retype Password *	<input type="password"/>
First Name *	<input type="text"/>
Last Name *	<input type="text"/>
Phone Number *	<input type="text"/>
Address *	<input type="text"/>
	<input type="text"/>
Town	<input type="text"/>
Region *	<input type="text"/>
Postcode / Zip *	<input type="text"/>
Country *	<input type="text"/>

Register

## Validation Constraints

- The email entry must follow a valid email format ('@' and '.' chars)
- The fields 'password' and 'retype password' must be hidden and match each other.
  - The password should be at least 10 chars and include exactly one special character, one uppercase letter and one digit
- First name must have up to 10 chars, only letters [A-Z], with no space
- Last name must have up to 15 chars, only letters [A-Z], with no more than one blank space
- Phone number entry should start with a '+' followed by up to 15 digits.
- Address entry should contain street number and street name separated with blank space
- Town is an optional entry with up to 15 characters without space.
- Region entry takes between 2 to 3 letters [A-Z].
- Postcode entry is a 6 characters field based on Canadian postal code format (1<sup>st</sup>, 3<sup>rd</sup> and 5<sup>th</sup> char is a capital letter and 2<sup>nd</sup>, 4<sup>th</sup> and 6<sup>th</sup> char is a digit [0-9]. A single blank space must be included between the 3 first and 3 last chars.
- Country between 4 to 15 characters, must start with uppercase letter only and the rest of chars are lowercase

## Register button

- Upon clicking on this button, all the validation constraints must be visible in front of the fields that do not satisfy the requirements.
- If all requirements are satisfied, the information should be stored in a file called **user.txt** for every submission. The data should be saved vertically (one row corresponds to one entry field).
- A double empty line must be respected between two adjacent user details in the file.

## IMPORTANT: Submission guidelines

1. The project name should be called after your surname followed by your student ID.
2. Submit a single zip of your project code as well as 3 screenshots corresponding to the following running test scenarios:
  - a. picture of an empty registration form showing all validation constraints
  - b. picture of your final PHP code
  - c. picture of the user.txt file with at least two validated entries

3. **All screenshots must show a background with your project name in your editor. The browser can be resized in the screenshot to make room for a background.**
4. Only the last submission will be evaluated.
5. **Failure to follow these guidelines will result in losing points**
6. **Plagiarism and cheating will be strongly penalized as per college policies.**
7. Do not submit any work via MIO or TEAMS.