# WEB222 - Assignment 6:  HTML Form and validation

## Due date

All Sections:   Thursday<mark>, Jan 4,</mark> 2018 - 23:59

Grade value:   5% of your final course grade

## Objective

- ♠  To work with HTML form and CSS styling
- ♠  To perform client-side validation using JavaScript.

## Specifications

1. Create an HTML5 document **assignment6.html**), a CSS3 file **assignment6.css** and a JavaScript file **assignment6.js** under a folder.

2. In **assignment6.html**, create a form named **signup** to accept user's input for creating a user account. Set the title of the page with "**Sign Up**". Your **Assignment6** page appearance should **mimic** the [screenshot from this link](#).<mark>** SEE JPEG</mark>

3. In the form **signup**, the user input information will be grouped in to four sections: ***Basic information***,***Education***, ***Work Experience*** and ***Attachments***. Add the following elements to each group in the form:

- **a) Basic Information**
  - ♠  Field "**Email**": type of email, autofocus and required. User needs the email address for logging in the website.
  - ♠  Field "**Password**": type of password, required.
  - ♠  Field "**Retype Password**": type of password, required.
  - ♠  Field "**First Name**": text, user needs to input his/her full name, required.
  - ♠  Field "**Last Name**": text, user needs to input his/her full name, required.
  - ♠  Field "**Phone Number**": type of tel, user needs to enter his/her phone number, required. This field should show the telephone input format using placeholder.
  - ♠  Field "**Address**": text, home address, required.
  - ♠  Field "**City**": text, city of the address, required.
  - ♠  Field "**Province**": dropdown list: select element with options - the 10 provinces and 3 territories of Canada, required. The full names of provinces and territories will be showed up on the list and organized in two groups: **Provinces** and **Territories**. The values for option elements must use standard 2-letter abbreviations.
    The ten provinces
    are ***Alberta***, ***British Columbia***, ***Manitoba***, ***New Brunswick***, ***Newfoundland*** an

d *Labrador*, *Nova Scotia*, *Ontario*, *Prince Edward Island*, *Quebec*, and *Saskatchewan*. The three territories are *Northwest Territories*, *Nunavut*, and *Yukon*.

- ♠☐ Field "**Country**": type of text with an datalist, required. Put five countries on the list: Canada, The United States and any other 3 countries in the world.

b) Education
- ♠☐ Field "**School**": text, the school that user/student is attending or the last attended, required.
- ♠☐ Field "**Program**": text, program in above school for the student, required.
- ♠☐ Field "**Education Level**": dropdown list using select and option elements, required. The **Education**Level should choose from the items of *–select–*, *Technical Diploma*, *College Diploma*, *Bachelor'sDegree*, *Master's Degree* and *Others*. The option tag for the **"–select– "** should has the value of "0" or an empty string.
- ♠☐ Field "**Education Status**": type of radio. The value should choose from the list of *Graduated*, *Current enrolled*, *Did not graduate*.
- ♠☐ Field "**Graduation Date**": type of date, the date of graduation or anticipated graduation date, optional.

c) Work Experience
- ♠☐ Field "**Employer**":  text, the current or last employer of the student, optional.
- ♠☐ Field "**Job Title**": text, the job title of the student in the above company.
- ♠☐ Field "**Job Duty**": textarea, description of job duties or responsibilities, optional.
- ♠☐ Field "**Worked Year**": type of number, the number of years for the student worked for his/her above employer, optional. The number user inputs will be in the range of 1 to 20.

d) Attachments
- ♠☐ Add an input with the type of file for attaching files to the application. There is no need to check the MINE type, but user can upload multiple files at a time.
- ♠☐ In addition, form **signup** must have both submit and reset buttons with the values of **Apply** and **Reset**.

4. The **signup** form is required to use **post** method and submit to the post tester: https://httpbin.org/post. The autocomplete feature should be turned on.

5. All form fields/controls should have the id and name attributes; each of the form field/control should have a label tag apply to it if possible. Required fields should be lead by **\*** sign with red color.

6. You are required to use CSS to style the page and align form fields. HTML tables are not allowed for aligning form fields in the assignment.

7. Some form fields need validation using JavaScript. But **Regular Expression is not allowed** in the assignment. The validation rules are as following:

1) Field "First Name" and "Last Name"
- o Must be present (cannot be empty string after trimmed)
- o Allowable characters
    - ♠☐ alphabetic characters lower case (a-z) upper case (A-Z)
    - ♠☐ apostrophe (')
    - ♠☐ hyphen (-)

♠☐    Must have at least 1 alphabetic characters (a-z) (A-Z)

2) Fields "Password" and "Retype Password"
   o Password must contain both upper and lower case characters
   o At least 1 number
   o At least 8 characters long
   o The value of the 2 fields must be identical.

3) Field "Phone Number"
   o Must be present
   o Must be in the format of 999-999-9999 ('9' here means digit only)

4) Field "Education Status"
   o Must select one of these menu options

8. For the fields that require validation, your code should validate the field upon user make change to the field if applicable (hint: use **onchange** event handler to call JavaScript functions). Show only one error for a field at a time. Appropriate messages must be showed for the invalid field. For example:



9. The form will be submitted to server only when inputs of all fields that require validation are valid.

# Assignment submission

♠☐    Compress your assignment folder to a zip file **Assignment6.zip** and submit it to the Blackboard (My.Seneca).

# Important note

♠☐    Your assignment must pass W3C HTML validation, CSS validation and be free of JS run-time errors/exceptions.
♠☐    NO LATE SUBMISSIONS for assignments. Late Assignment submissions will not be accepted and will receive a grade of zero (0).
♠☐    After the end (23:59) of the due date, the Assignment submission link on the Blackboard will no longer available.