

# Centennial College

## CENTENNIAL COLLEGE PROGRESS CAMPUS

### COURSE COMP229 Fall 2017


#### ASSIGNMENT #01

### Hello Team Members!

How was your AMAZING day?

The assignment#01 is quite challenging, yet full of fun parts to learn more from ASP.NET. Using Visual Studio 2015, create a project called assignment01 that collects the following information from the user:

### Member Registration



Please complete the following fields:

First Name\*:

Last Name\*:

Address\*:

City\*:

Province\*:

Postal Code\*:

Age\*:

Password\*:

Confirm Password\*:

Email\*:

Alternative Email:

Phone:

Enter another member? ☒

@Copyright your student info here

## Part I:

Following are the guidelines for validating the user input:

- 1- Make sure that all the mandatory fields are already filled by the user when they want to register. (Fields with \* are mandatory fields) If there is any mandatory field that was left blank, the program should prompt the user to fill it.
- 2- The province should be exactly two characters e.g. ON, MN, SK, AB, BC and if the user entered them in small characters, the characters should be automatically converted to upper case.
- 3- The postal code should check if the user follows the a0a0a0 format, e.g. M6S4T1 (**Hint:** You need to search regular expression)
- 4- The program should check age, and if it is not between 18 to 120 the user should receive an appropriate message to correct the age content. (**Hint:** You need to search regular expression)
- 5- Passwords must have at least 6 characters and must contain at least one digit and one upper-case character. (**Hint:** You need to search regular expression)
- 6- The Confirm Password and Password fields should have identical input. If there is any difference, an appropriate message should inform the user.
- 7- The Email field must contain the @ and . characters. (**Hint:** You need to search regular expression)
- 8- As long as the "Enter another member" checkbox is true, the registration should be continued. (**Hint:** Using loop)
- 9- The register button should just save the last text contents into their variables, and the clear button should simply clear all the text boxes.
- 10- Simply use your common sense for anything that was not described. You can email me to query as well.

## Part II:

- 1- When the form fields pass validation, an alert message is displayed to show a confirmation message (e.g. "Thanks for registering with our website, your record was created successfully").
- 2- Use one function to concatenate the name and the last name and show it in the success message, described in the above item. (item number 1)
- 3- You need to fully document your code, both in HTML and server side.
- 4- Change the website title to Centennial. (Changing the logo has a bonus point)
- 5- Store the content of each textbox into a variable. What kind of data types are you going to use for each of them? Why? e.g. I have chosen integer or string as the datatype for this field, and the reason is...
  - a. Suggestion: Use a table to ease your job, and explain briefly in that designed table.
- 6- Provide a word document and explain the following items:
  - a. Briefly describe each segment of your code in your word document. You should be able to elaborate on the steps and what you have done through the code.

- b. Use snapshots from your Visual Studio environment, your website and messages, and copy your entire code in the appendix section.
- 7- Explain the following questions in a separate section in your word document:
  - a. What kind of Directives did you use? Why?
  - b. Explain the role of View State in a few sentences.
  - c. What kind of logical expression did you use? Explain about it.
  - d. What kind of loop did you use? Why not the other type
  - e. What is the meaning of robustness? Did you use this feature in your project?

### **Assignment Regulation:**

Please take snapshots from your Visual Studio environment and copy your code in the provided word document as an appendix. Briefly elaborate on the steps and what you have done through the code. Upload your project into the provided dropbox. Please be prepared for 1 to 2 minutes presentation. I need you to teach me and explain your achievements :)

The project should be done, and submitted **individually**.

### **Bonus Part for this assignment**

Upload the assignment document and supporting picture files to the student web server and create a hyperlink called Assignment01 from your home page to point to the assignment01file.

### **Assignment Due**

The assignment is due on coming Sunday, September 24th, 2017 at 11 PM. Late assignments are only accepted for two additional days and are marked out of 80%.

Note: You should submit your word document in the provided dropbox folder that contains all explanations, your code and snapshots from the environment and the result.

For any query you can contact me through:

[sdibaj@my.centennialcollege.ca](mailto:sdibaj@my.centennialcollege.ca)

All my best, and wish you the best of luck ☺

Reza

**Out beyond ideas of wrongdoing and rightdoing there is a field. I'll meet you there. ~Rumi**