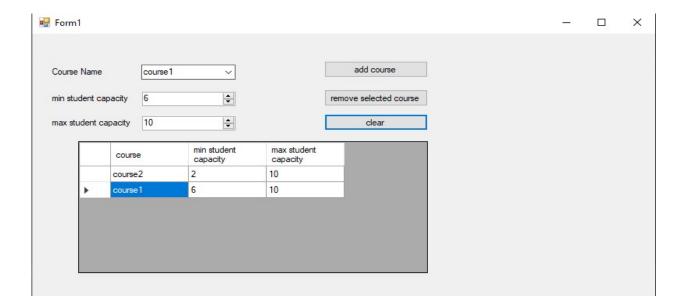
Cairo University
Faculty of Engineering
Computer Engineering Department
CMPN202

Lab 2 – C# Practice

<u>Lab Requirements: (75 minutes):</u>

- Design a windows form application to create an application that:
 - O Takes course name, min capacity, and max capacity of students.
 - Adds the course to the grid view below in the form when the user clicks on "add course" button.
 - O Allows the user to remove any row in the grid view when choosing any cell in this row and then clicking on "remove selected course" button.
 - O Clears all rows in the grid view when clicking on "clear" button.
- Your application consists of one form that look like this



- Grading criteria:
 - (1 point) For creating the form.
 - O (2 point) For the validation on both min and max capacity.

Validation here means:

- To check that min capacity is less than max capacity and that both are positive numbers when clicking on "add course" button, otherwise, you should display a message to the user guiding him to enter correct values)
- To disallow the user from entering any characters other than numbers, by choosing the appropriate input field.

- (1 point) When "add course" button is clicked on, the course information should be added to the data grid view.
- O (1 point) You should disallow the user from entering empty values in the data grid view by checking on their values before adding a new row, otherwise you should display a message to the user guiding him not to leave empty input fields.
- (2 point) When "delete selected course" button is clicked on, you should remove the selected row from the data grid view.
- (1 point) You should disallow the user from editing any values in the data grid view.
- o (1 point) When "clear" button is selected on, all entries in the data grid view should be removed.
- 0 (1 point) For making the same interface as shown in the screenshot.
- (Bonus point) Separating this form into two forms where the second form will have only the data grid view, while the first form will have all other components of the interface.

Note: After 75 minutes, all students should stop working on their computers, and wait for their turn to discuss their work.