**CL2005 – Database Systems Lab**

**Lab - 3**

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**Sections:** BCS-5F **Due** **Date &** 2-September-2024,

**Time:** 11:50 AM

Creating a Windows Forms Application - Design a Registration Form

Creating a Windows Forms Application to design a registration form is a great way to introduce students to GUI development in C#. Below are detailed lab tasks for this activity:

**Lab Task 1: Project Setup**

1. Open Visual Studio.
2. Create a new Windows Forms Application project.
3. Name the project "RegistrationFormApp."

**Lab Task 2: Designing the Form**

1. Open the Form Designer.
2. Create a registration form with the following components:
   1. Labels and Textboxes for users to input their:
      1. First Name
      2. Last Name
      3. Email
      4. Password
      5. Confirm Password
   2. Radio buttons for selecting Gender (Male, Female, Other)
   3. A ComboBox for selecting Country (populate it with a few options)
   4. A CheckBox for accepting Terms and Conditions
   5. A "Register" button.
   6. Properly align and space the elements to make the form visually appealing.

**Lab Task 3: Adding Event Handlers**

1. Create an event handler for the "Register" button.
2. Implement the following validation checks in the event handler:
   1. Ensure that all fields are filled out.
   2. Check if the "Password" and "Confirm Password" fields match.
   3. Ensure that the user has accepted the Terms and Conditions.
   4. Display specific error messages for each validation failure.
3. If all validations pass, create a user registration summary (concatenating user inputs) and display it in a MessageBox

**Instructions:**

1. Individual lab tasks
2. You are required to do the complete lab tasks by using Windows Forms Application C#.
3. Submit VS complete project.
4. Deadline = 2-September-2024, till 11:50 Am.
5. Submit Your project on Google Classroom.

