

COSC2100

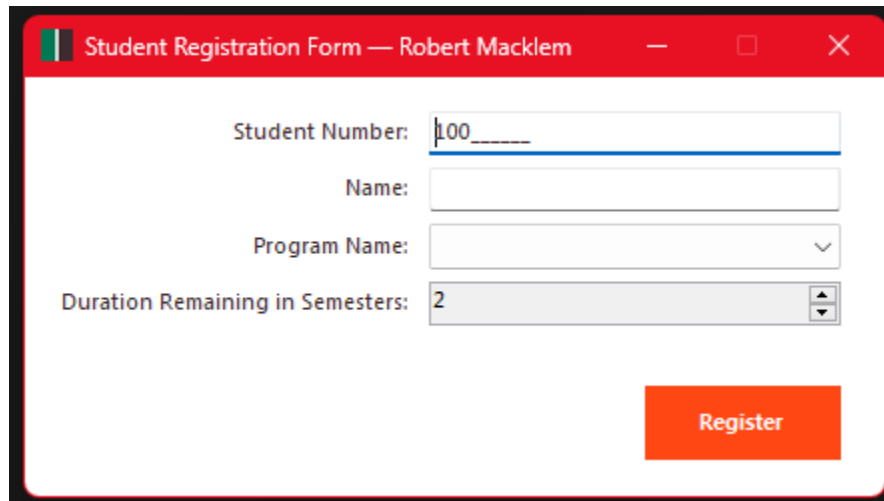
Robert Macklem

100955944

January 16, 2025

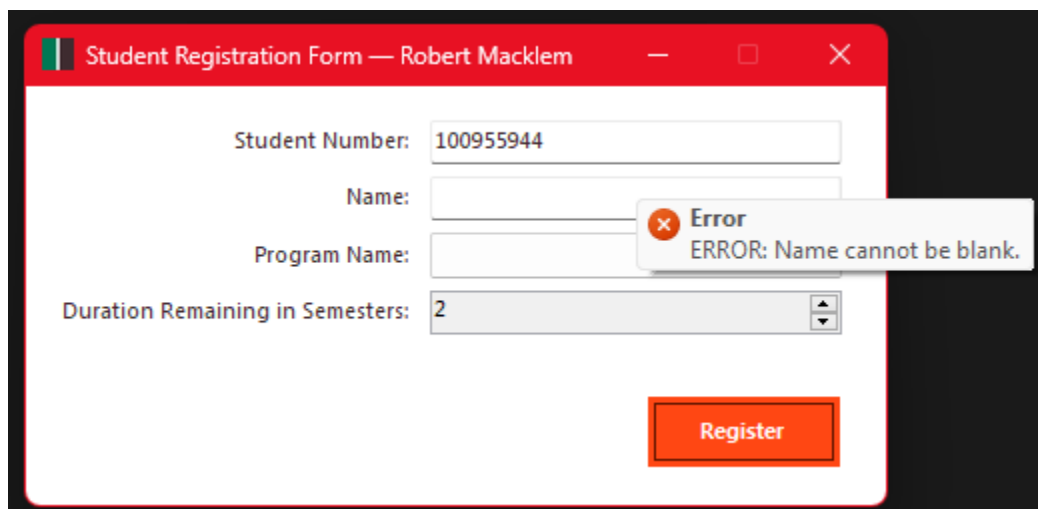
ICE 1 Report

My first screenshot shows my app — *Student Registration Form* — running in its default state:



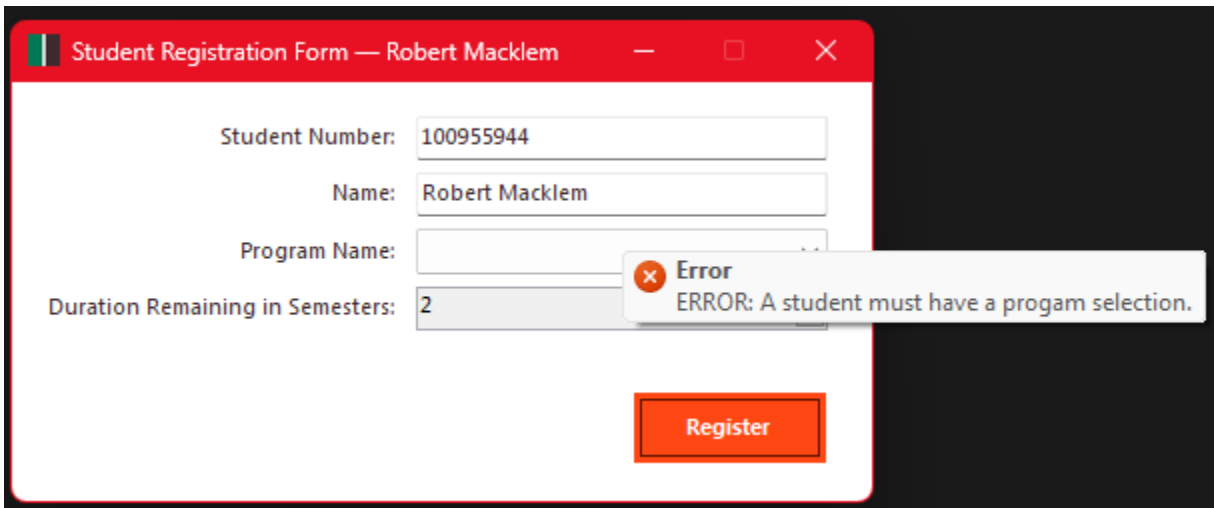
A screenshot of a web application window titled "Student Registration Form — Robert Macklem". The window has a red header bar with standard window controls. The form contains four input fields: "Student Number" with the value "100", "Name" which is empty, "Program Name" which is a dropdown menu, and "Duration Remaining in Semesters" with the value "2". An orange "Register" button is located at the bottom right of the form.

My second screenshot shows my app — *Student Registration Form* — returning an error tooltip as a result of a user submitting an invalid empty name input:



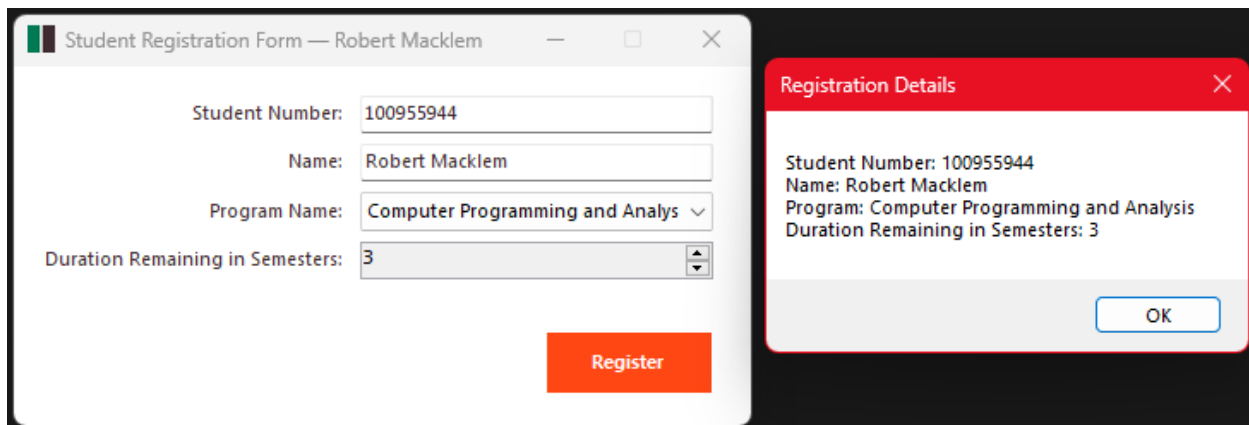
A screenshot of the same web application window, but now showing an error. The "Student Number" field contains "100955944", the "Name" field is empty, and the "Program Name" field is a dropdown menu. The "Duration Remaining in Semesters" field contains "2". An orange "Register" button is at the bottom right. An error tooltip is displayed over the "Name" field, showing a red "x" icon and the text "Error ERROR: Name cannot be blank.".

My third screenshot shows my app returning an error tooltip as a result of a user submitting an empty program input:



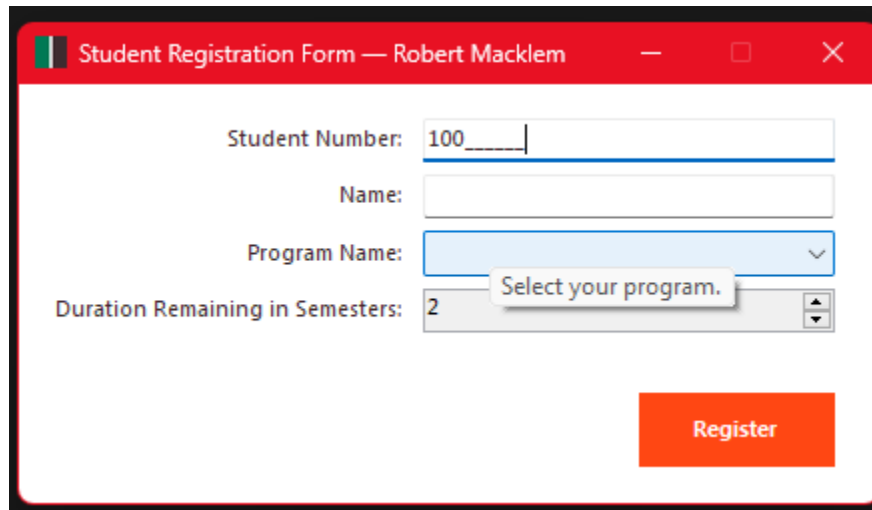
The screenshot shows a window titled "Student Registration Form — Robert Macklem". Inside the window, there are four input fields: "Student Number" with the value "100955944", "Name" with the value "Robert Macklem", "Program Name" which is empty, and "Duration Remaining in Semesters" with the value "2". An orange "Register" button is at the bottom right. An error tooltip is displayed over the "Program Name" field, showing a red "x" icon and the text "Error ERROR: A student must have a program selection."

My fourth screenshot shows my app returning message box displaying the registration information that was correctly input by the user:



The screenshot shows two windows. The main window, titled "Student Registration Form — Robert Macklem", has the "Program Name" field filled with "Computer Programming and Analysis" and the "Duration Remaining in Semesters" field filled with "3". The "Register" button is orange. A secondary message box titled "Registration Details" is open, displaying the following information: "Student Number: 100955944", "Name: Robert Macklem", "Program: Computer Programming and Analysis", and "Duration Remaining in Semesters: 3". The message box has an "OK" button at the bottom right.

My fifth screenshot shows my app returning an error tooltip as a result of a user submitting an empty program input:



Question 1: What control (Widget) did we use to display **hint/error messages** to the user?

Answer: We used a **ToolTip** control.

Question 2: What control (Widget) did we use for inputting the **Student Number**?

Answer: We used a **Masked Textbox** control.

Question 3: What control (Widget) did we use for inputting the **Program**?

Answer: We used a **Combo Box** control.

Question 4: What control (Widget) did we use for inputting the **Duration in Semesters**?

Answer: We used a **Numeric Up Down** control.

Question 5: What is the difference between the **name** and the **text** properties of a control?

Answer: The **name** property **identifies the instance of the control in the program** (i.e. is used to reference that specific control in the code). The **text** property is the **text displayed on that control**.