

Module 5 Lab Assignment.

In this lab assignment, you will **enhance** the *Student Engagement Calculator* application that you developed in Module 4 lab assignment. All form controls and variables that you include in your project **MUST** have a proper and relevant name. For each improper naming, 0.05 point will be deducted.

The details about developing the application can be accessed from previous lab's guide. In the previous lab assignment, you were displaying a rather generic error message per each group if there is any invalid entry. In this lab, you will focus on printing a custom error message specific to each textbox. For example, if there is an invalid entry in the highlights field, the error message should indicate that the error was in the highlight textbox as shown in the figure below.

The screenshot shows a web application window titled "Form1" with the following components:

- Readings (Orange background):**
 - Number of page views :
 - Number of highlights :
 - Number of unread pages :
 - Error message: Invalid entry in the highlights textbox.
- Discussions (Light Blue background):**
 - Number of questions :
 - Number of comments :
 - Number of unread posts :
 - Score: Discussion score is : 17
- Videos (White background):**
 - Average minutes watched :
 - Number of play/pause :
 - Minutes skipped :
 - Score: Video score is : 39
- Quizzes (Light Blue background):**
 - # of failed questions :
 - Average quiz score :
 - Average # of attempts :
 - Score: Quiz score is : 8

At the bottom of the application, the following information is displayed:

- General engagement score : 64
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Below is a sample screen when there is an invalid entry in the page views textbox.

Student Engagement Calculator

Readings

Number of page views :

Number of highlights :

Number of unread pages :

Invalid entry in the pageviews textbox.

Discussions

Number of questions :

Number of comments :

Number of unread posts :

Discussion score is : 17

Videos

Average minutes watched :

Number of play/pause :

Minutes skipped :

Video score is : 39

Quizzes

of failed questions :

Average quiz score :

Average # of attempts :

Quiz score is :8

General engagement score : 64

Calculate Engagement Scores

To complete this assignment, you will need to use nested if-else statements and TryParse method together (as explained with examples in the lecture guide).

Grading Schema

Task	Points
Computing the engagement scores	$0.04 \times 5 = 0.2$
Showing error messages	$0.15 \times 12 = 1.8$