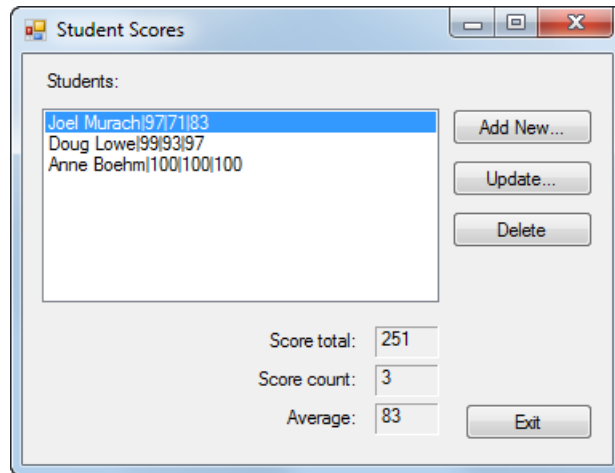


Lab Assignment 4

Part 1 (15 pts)

For this project, you'll develop an application that let the user maintain a list of student scores. For this project, though, you'll use a text file to store the student data.

The design of the Student Scores form

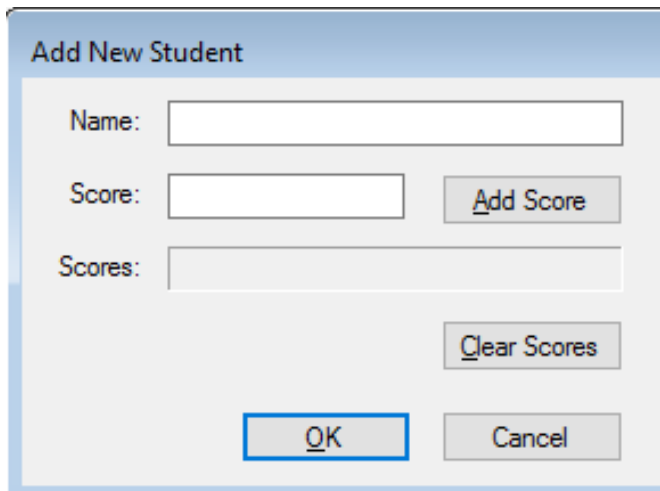


The screenshot shows a Windows-style application window titled "Student Scores". Inside the window, there is a list box labeled "Students:" containing three entries: "Joel Murach|97|71|83", "Doug Lowe|99|93|97", and "Anne Boehm|100|100|100". The first entry is selected. To the right of the list box are three buttons: "Add New...", "Update...", and "Delete". Below the list box, there are three labels with corresponding text boxes: "Score total:" with the value "251", "Score count:" with the value "3", and "Average:" with the value "83". An "Exit" button is located at the bottom right of the window.

Student	Score 1	Score 2	Score 3
Joel Murach	97	71	83
Doug Lowe	99	93	97
Anne Boehm	100	100	100

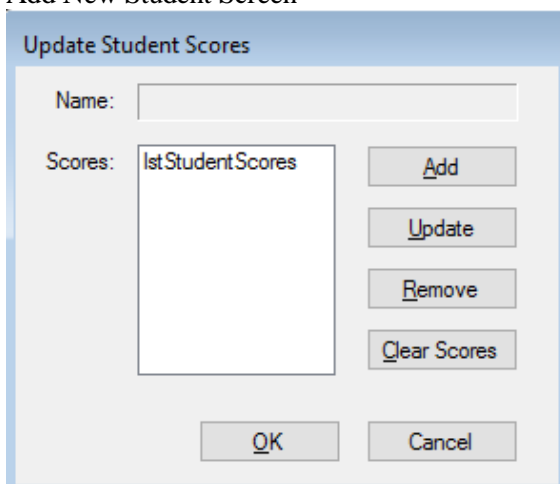
Score total: 251
Score count: 3
Average: 83

Starting Screen



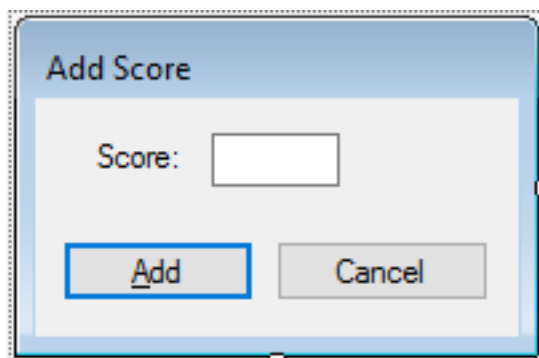
A dialog box titled "Add New Student" with a light blue header. It contains three input fields: "Name:" (a single-line text box), "Score:" (a single-line text box), and "Scores:" (a multi-line text box). To the right of the "Score:" field is a button labeled "Add Score". Below the "Scores:" field is a button labeled "Clear Scores". At the bottom are two buttons: "OK" (highlighted with a blue border) and "Cancel".

Add New Student Screen



A dialog box titled "Update Student Scores" with a light blue header. It contains a "Name:" input field at the top. Below it is a "Scores:" label followed by a list box containing the text "lstStudentScores". To the right of the list box are four buttons: "Add", "Update", "Remove", and "Clear Scores". At the bottom are "OK" and "Cancel" buttons.

Update Student Scores



A dialog box titled "Add Score" with a light blue header. It contains a "Score:" label followed by a single-line text input box. At the bottom are two buttons: "Add" (highlighted with a blue border) and "Cancel".

Add Score Screen (Get here from Add Score Button on Add New Student or add scores for the update scores screen).

Specifications

- When this application starts, it should read student data from a text file named StudentScores.txt you will find this on blackboard
- When students are added, updated, or deleted, this application should write the student data to the StudentScores.txt file, overwriting any existing data.
- This application should use a class named StudentDB to read data from and write data to the StudentScores.txt file.