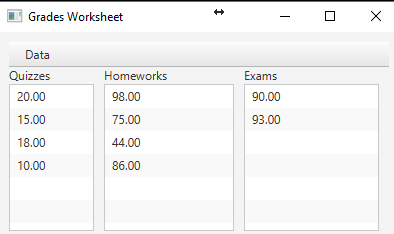
School Grade GUI Testing Report

# School Grade Testing

This part 2 of project 4 is based on the testing of the School Grade GUI. My daughter who is 15 years old was selected to be the tester for the program. She is now a high school student with less or little background in Software Development. She was use as someone who might perfectly benefit as an end user and as well as to test for the application.

I explained to her that this is the Grade calculation for a class. The application will calculate the Quiz, Homework and Exam grades and based on these three features the Final grade is calculated.

I asked her to calculate and carryout the testing as follow. Since the application did not have a help dialog installed into it and she was having difficulties inserting the figures.



I started the application for the tester to test and accomplish the mission by occasion dialog when she got stock. I made her try to figure out how to use the application. Below is our dialog:

**Tester**: I tried to type in some numbers, but it won’t stay so how do I add the grades?

**Me**: You should click on the Data menu. Then, you click on the grade that you want to add

Tester follows to click to add the Grade. Then, she asked:

**Tester**: Why the grade is 0.00? How can I change the grade?

**Me**: You should double click on the grade to change it then hit Enter.

Tester then enters the grades step by step as I provided above. Then, she clicks on the Recalculate button.

**Tester**: ***Bug!!!,*** *the Quiz Subtotal field is empty, it should have data, right?*

**Me**: Yes, it should have data, I will check on it.

Then, I try to fix the issue to let the Quiz Subtotal work.

Tester then continues to test by checking the values on subtotal fields and final grade fields.

**Tester**: It looks, oh, I think this is incorrect. It is not the average expected in the subtotal exam field. This must be a bug?

**Me**: No, this is not a bug, only the exam subtotal is averaged.

The other subtotal fields follow the calculation as:

+The quiz subtotal is calculated as the sum of quiz grades.

+The homework subtotal is calculated as the average of homework grades, dropping the lowest

+The exam subtotal is calculated as the average of all exam grades.

+The final grade is calculated as the 0.2 \* quiz-subtotal + 0.3 \* homework-subtotal + 0.5 \* exam-subtotal (hint 0.2, 0.3, and 0.5 are weights)

**Tester**: OK, let me calculate by myself.

**Tester**: *The homework is incorrect. It doesn’t drop the lowest point, is this true?*

**Me**: Yes, it is a bug, let me check it out.

I then try to fix the bug by drop the lowest grade for homework, and then let Tester to continue.

Tester then checks again. Then all fields show the correct answers.

**Tester**: let me check with other grades.

**Tester:**  I try for several grades, I see that they show correct data

**Tester**: OK, that’s fine.

**Me**: Thanks for your testing

**Tester:** But, I have some of feature suggestion as:

**Feature Request**

**Feature 1**

Title: Box to Add Grade

Description: In adding a grade, it should display a box to let user key in grade. It means that after users click on add homework grade for example, a box is displayed to let user enter the grade.

**Feature 2**

Title: Remove a Grade

Description: Current application don’t have a feature to remove a grade

**Feature 3**

Title: Help dialog to change the grade

Description: Need to have a notification to let user know how to change the grade

**Feature 4**

Title: Help to know the calculation policy

Description: Need to have a help menu to explain the calculation for grades

**Feature 5**

Title: Grade Validation

Description: The application should check validate for grades that are more than 100