14 points in total - Minimum to pass 8, according to 5 dimensions:

1) Functionality (Coverage of the requirements)

A: all functions implemented
B: (-1 point) if a minor functional specification or requirement is not implemented or not correctly implemented (logical errors)
C: (-2 points) if 2 functions or requirements are not implemented or not correctly implemented
D: (-3 points) if 3 functions or requirements are not implemented or not correctly implemented
E: (-4 points) if 4 functions or requirements are not implemented or not correctly implemented
F: if many functions or requirements are not implemented and the project is very much smaller than the requested one

2) GUI usability

A: if the GUI is well designed
B: (-1 point) if there are some small issues, such as labels that cannot be read easily or strange names.
C: (-2 points) When there are small issues and it is not immediate to understand how a function can be executed through the GUI.
D: (-3 points) If there are more severe problems, such as windows that are popping up without content of labels that are not shown
Fail: severe problems such as the GUI blocks or you cannot go back to the beginning of the interaction state

3) Errors and exceptions

A: if no run time errors or exceptions
B: (-1 point) If you got one or more run time error or exception but the application is still running.
C: (-2 points) If many errors or exceptions are raised.
Fail: There are many exceptions and the application cannot be used.

4) Code structure

A if the code is well written and well structured (e.g., a reasonable number of classes is used and the naming conventions are applied)
B (-1 point) if the student has not created a reasonable set of classes or the code is messy with strange names and unclear method calls

5) Fix to Start:

Fail: If the application does not start or some necessary files are not found.

In addition to the points from the project, the students may get up to 3 points from the lab assignments (explained in the lab 1) up to 14 points.

Formula for the project evaluation:
Project mark = 14 - negative points
Final mark = min(Project mark + lab points, 14)

Example:
A student gets the following scores:
Functionality: B (-1) Standard deviation was not calculated.
User Interface: B (-1) The GUI for entering the replies is messy.
Exception: C (-2) many errors or exceptions are raised.
Quality of the Code: A

14 - 4 = 10
Final mark: 10 + 1 from lab assignment = 11

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Student: 15743

Functionality: B There is no main window menu with "exit" and "about" items (-1). They are implemented with buttons.
User Interface: A Very nice GUI.
Exception: A
Quality of the Code: A Excellent.
14 - 1 = 13
Final mark: 13 + 2.7 from lab assignment = 14

Student: 14726

Functionality: E There is no button for copying the result of a computation into the first or second text area (-1). When an operation is performed the result is automatically copied in the first text area, which was not requested (-1). The selected number of decimal digits is not shown in the result (-1). Only the space character can be used to separate values (semicolon and tab do not work) (-1).

User Interface: B It is clear and easy to use, but there is no main window menu; "exit" and "about" functions are implemented with buttons (-1).

Exception: A

Quality of the Code: A Good structure of the code.

I had to fix the code to use the application on a MAC computer. The PATH variable was not correctly set.

14 - 5 = 9
Final mark: 9 + 0 from lab assignment = 9