Name _____

Fall 2023 Rubric for Evaluation of Numerical Optimization projects

_____ 40 points – The project successfully executes these scripts and
             provides reasonable output of the results.

_____ 5 points – The code appears to be robust and is not easily broken by
             changes in input parameters.

_____ 5 points – The code is well documented and clearly written.

_____ 5 points – The code uses appropriate use of functions, both user defined
             and Matlab functions.

_____ 5 points – The code has extra features above the minimum requirements.

_____

_____ 60 points – Total for the code

Evaluating the project report

_____ 10 points – The report summarizes the problem being solved.
             (Be careful to not plagiarize from my description
             of the project or any other source.)
             Appropriate references must be provided.

_____ 10 points – The report describes how the problem was solved from both the
             mathematical and the algorithmic points of view.

_____ 5 points – The report describes the test data sets that were used and describes
             how the test data set demonstrates that the code is working correctly.

_____ 5 points – The report describes the technical difficulties that were solved
             in order to successfully complete the project.

_____ 5 points – The report contains an appropriate summary of the effectiveness (
             efficiency, accuracy and reliability for example) of the code.

_____ 5 points – The report is a professional looking document that is well written and
             contains appropriate tables and graphics.

_____

_____ 40 points - Total for the project report

Remember from earlier in the course

Redner's expectations for good programs

In addition to given the correct results, good programs satisfy the following:

1. They are well documented.
2. They are robust and to a reasonable extent, the programs protect themselves from bad inputs.
3. They are easy to read with useful indentation to clarify structures.
4. They make appropriate use of user defined functions and subroutines.
5. Matlab programs make appropriate use of Matlab functions, using vectors and matrices whenever possible.
6. Matlab programs make very limited use of symbolic programming and only as necessary.
7. Programs are submitted electronically via email and when it is reasonable copies are submitted on paper as well.
8. They are well tested and the test examples are submitted along with the program.
9. Scripts should be provided so that I can run the script and it will execute the program using the test examples and the final application.

Student Name _____

Evaluating the project report

_____ 10 points – The report summarizes the problem being solved. (Be careful to not plagiarize
　　　　　　　　from my description of the project or any other source.)
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_____ 10 points – The report describes how the problem was solved from both the
　　　　　　　　mathematical and the algorithmic points of view.
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　　　　　　　　contains appropriate tables and graphics.
_____

_____ Subtotal

Evaluating the project report

_____ 10 points – The report summarizes the problem being solved. (Be careful to not plagiarize
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_____ Subtotal

_____ Total points