***Read carefully basic conditions before initiating the assignment***

**1) Task**

Design and develop a program, which allows the input, processing and storage of patient-specific measured values.

The following requirements apply in detail.

**1.1) Functions**

***F.1***

The program is to provide a GUI for the input of 3 values.

F.1-1

The user should be able to enter a floating-point number (decimal precision: 3) for "value 1".

F.1-2

The user should be able to enter a floating-point number (decimal point: 3) for "value 2".

F.1-3

The user should be able to enter an integer value for "value 3".

F.1-4

After entering all values, the user should be able to start processing and storing the entered values.

***F.2***

The program is to process the entered values ​​after triggering by the user.

F.2-1

The values ​​are to be sorted ascending in size.

***F.3***

The program should store the entered values ​​after successful processing.

F.3-1

The program should store the sorted values ​​in a text file in the home directory of the current user under the name "werte.txt".

***F.4***

Errors during processing or storage must be displayed to the user.

**1.2) Basic conditions**

***R.1***

Use C #

***R.2***

Try to solve the task in a maximum of four hours.

***R.3***

Design / design of the program must be documented in a suitable form (other developers may work with it or have to expand functionalities).

***R.4***

It is still unclear whether the three values ​​to be processed remain. The program should scale easily.

***R.5***

It is foreseeable that, in addition to exporting to a file, printing or exporting to a Web interface is also necessary in the medium term. Design the program accordingly.

***R.6***

The program is to be used internationally.

***R.7***

It is foreseeable that the result file of software of third parties is to be read.