Assignment for Project Selection

Create a GUI application which accepts the details of students (roll number, name, rank). This GUI should have a feature by which the user can view all the added details at any point of time, in sorted order (the sorting should be in alphabetical order of name of students). This sorting should be performed manually by implementing merge sort, each and every time the user requests for viewing the data. Use any language of your choice. (Few options are Java + AWT or Swing, Python + tkinter, Web based GUI like Flask (Python), etc).

Guidelines:
1. Try to make the application minimalistic by avoiding unnecessary details.
2. Excessive GUI design is not expected, a simple but aesthetic and neat presentation and user experience is important.
3. Please note that sorting has to be implemented, refrain from using library functions.
4. Use any framework of your choice but preferably stick to the more common ones.
5. Object oriented code (usage of functions and classes) is preferred. Code is expected to be well organized and readable (use suitable function and variable names).

Deliverables:
1. Fully functioning code. Code is expected to have a few comments which indicate the role of each part of the code. Extensive details aren't expected.
2. README file which clearly indicated the role of all files of the code, the software requirements needed to run the code and the instructions to be followed in order to execute the code. Please write a paragraph about the specifics of the functionality of your code and if applicable, mention anything special about your code in this file too.