

Test for I Can Sort

Acceptance Testing

Time: 2021/3/29

Tester: Dr. Heshan Du

You may write down "T" for True or "F" for False in the right column, with comments if you like.

#### Part 1. First open

When first open this software, whether it will open a dialog window to ask the user's level.	T
In the dialog window, click the left button, whether it will jump to Tutorial module.	T
In the dialog window, click the right button, whether it will jump to Procedure module.	T

#### Part 2. Modules

In all modules, click the Settings button, whether a settings window will pop up.	T
In all modules, whether the progress bars will show the progress of the corresponding parts correctly.	T
In all modules, whether the user's most recently accessed part's button in the main page will be stroke (the edges will be outlined), to notify that this part is recently accessed.	T
In the Settings button, when click GITHUB ADDRESS: I-CAN-SORT button, it will open a new browser window to the software's GitHub page.	T
In the Settings button, when click CONFIRM button, it will clear all history.	T
In all modules, click the Help button, whether a help window will pop up.	T
In Tutorial, click the Swap button, whether it goes to Swap page.	T
In Tutorial, click the Loop button, whether it goes to Loop page.	T
In Tutorial, click the Terminology button, whether it goes to Terminology page.	T
In Procedure, click the Bubble sort button, whether it goes to Bubble sort page.	T

In Procedure, click the Selection sort button, whether it goes to Selection sort page.	T
In Procedure, click the Insertion sort button, whether it goes to Insertion sort page.	T
In Procedure, click the Quick sort button, whether it goes to Quick sort page.	T
In Procedure, click the Merge sort button, whether it goes to Merge sort page.	T
In Procedure, click the Heap sort button, whether it goes to Heap sort page.	T
In Correctness, click the Tutorial button, whether it goes to Tutorial page.	T
In Correctness, click the Proof button, whether it goes to Proof page.	T

### Part 3. Pages

In all pages, click the home button, whether it goes to the upper level module correctly.	T
In Swap page, click the corresponding control buttons, whether the animation will act as it is told to do.	T
In Swap page, when the animation is playing, whether the code is highlighted correctly.	T
In Swap page, when the animation is playing, whether the values of variables show correctly.	T
In Loop page, when first get into this page, whether a dialog window pops up.	T
In Loop page, click the question marks, whether a dialog window pops up.	T
In Loop page, click the corresponding control buttons, whether the animation will act as it is told to do.	T
In Loop page, when the animation is playing, whether the code is highlighted correctly.	T
In Terminology page, when first get into this page, whether a dialog window pops up.	T

In Terminology page, when click left side catalogue buttons, whether it goes to corresponding catalogue page correctly.	T
In Terminology page, when click back and next buttons, whether the pages changes correctly.	T
In all subpages of Procedure, the Introduction part and the algorithm shows correctly.	T
In all subpages of Procedure, the shuffle button of Operation and Implementation part generates a random array correctly.	T
In all subpages of Procedure, the Export Quick Guide button exports a PDF file correctly.	T
In Tutorial page of Correctness, when click left side catalogue buttons, whether it goes to corresponding catalogue page correctly.	T
In all Tutorial pages of Correctness, when click back and next buttons, whether the pages changes correctly.	T
In Introduction page of Tutorial of Correctness module, when click the shuffle button, whether it will generate correct random inputs.	T
In Introduction page of Tutorial of Correctness module, when click the play button, whether it will put correct random inputs into the algorithm.	T
In Example page of Tutorial of Correctness module, when click any algorithm, it will run correctly.	T

#### Part 4. Requirement Specifications (Please refer to the requirement checklist)

Whether all the core features are achieved	T
Whether all the additional features are achieved (if not all, please write down e.g. 9/15)	T
Any comments on requirement specifications (Please write down your comments)	

#### Part 5. Performance and Appearance

Whether the software is easy to install.	T
Whether the software runs smoothly without unexpected lag.	T
Whether the software's layout and appearance are clear and satisfy your expectation.	T
Whether it is easy for you to understand the usage of every button or interaction components	T

## Part 6. Acceptance

Do you accept the software to be released?	T
Any comments and feedback on the software and Team 10 (Please write down your comments)	The software was developed successfully. A nice GUI was provide to enable good interactions with users. Executable files were generated to support different platforms. Good job!