

HOMEWORK - SPRING 2017

HOMEWORK 1 - GRADING KEY

1. (15 points) Documentation and Coding Style

- Precise and correct specifications. [6 points]
- Indentation. [3 points]
- Variable Names. [2 points]
- Javadoc Style for Documentation. [4 points]

Note: Only submit java files. We will use the javadoc *.java command to create the javadoc files.

2. (15 Points) Source Code

- Implementation done as specified (additional methods are OK) [7 points]
- Throw an exception back to the calling method(s) if a precondition is violated. [8 points]

3. (70 Points) Program Correctness

- Program compiles without any errors. [15 points]
- Program handles erroneous input gracefully [5 points]
- A Add Student [7 points]
- R Remove Student [7 points]
- S Swap Students [7 points]
- M Move Student [7 points]
- F Select floor [3 points]
- C Copy Floor [7 points]
- P Print Current Floor [5 points]
- W Write Up Student [4 points]

• Q- Quit [3 points]

5. (up to 21 points) Extra Credit

- The best program in class receives **up to 6 extra** points and will be posted as the sample answer. (The author may remove his/her name before posting the program.) [6 points]
- Implement the Cursor to Parent function (without a parent reference in the TreeNode class): 5 points
- GUI/Android [GUI: 7 points, Android 15 points]:
 - You must make a nice visualization of all the components

If doing extra credit, you cannot get both the GUI and Android extra credit.

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