HOMEWORK - Spring 2018

HOMEWORK 5 - 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 **THIS INCLUDES NO JAVA API!** (additional methods are OK) [10 points]
- Throw an exception back to the calling method(s) if a precondition is violated. [5 points]

3. (70 Points) Program Correctness

- Program compiles without any errors. [15 points]
- Program handles erroneous input gracefully [5 points]
- L- Load from file [7pts]
- P- Print [6 pts]
- C- Cursor to child (index number) [4 pts] //don't let cursor go to null
- A- Add child (index, type, prompt for text) [6 pts] //includes empty tree
- U- Cursor up (to parent) [4 pts]
- X- Cut/Delete child (index number) [6 pts]
- V- Paste Subtree (index number) [4 pts]
- R- Cursor to root [4 pts]
- S- Save to Text File [8 pts] //must be able to reload file
- M-Cursor to root of minimal subtree containing all faults [4 points E.C.]
- B-Mark cursor as broken/fixed (flip the state) [1 point E.C.]
- Q - Quit [1 pt]
- **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]

- Generate a valid FXML file[5 points]
- GUI/Android [GUI: 5 points, Android 8 points, Web App using JSP, 12 points]:
    - You must make a nice visualization of all the components (see HW spec)

If doing extra credit, you can only get one type of GUI extra credit (FX, Android or JSP).

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