



HOMWORK 1 - SPRING 2025

HOMWORK 1 - GRADING KEY

1. (17 points) Documentation and coding style:

- Name, ID number and recitation at the top of ALL java files [2 points]
- Precise and correct specifications [5 points]
- Indentation [3 points]
- Variable names [2 points]
- Javadoc Style documentation *(see NOTE). [5 points]

NOTE 1: You only need to submit your *.java files. We will use the javadoc *.java command to create the javadoc files.

NOTE 2: YOUR ASSIGNMENT WILL NOT BE GRADED if you submit only *.class files.

NOTE 3: YOUR ASSIGNMENT WILL NOT BE GRADED if you use ArrayList, Vector or any predefined Java API Data Structures.

2. (15 points) Source code:

- Implementation done as specified (additional methods are OK). [6 points]
- Coding style: flexible, extensible, good use of methods and avoid duplicate code. [4 points]
- Throw an exception back to the calling method if a precondition is violated. [5 points]

3. (68 points) Program correctness:

- Programs compiles without any errors. [15 points]
 - Menu operations work correctly:
 - A - Add Transaction [6 points]
 - G - Get Transaction [3 points]
 - R - Remove Transaction [6 points]
 - P - Print Transaction in General Ledger [3 points]
 - F - Filter by Date [5 points]
 - L - Look for Transaction [4 points]
 - S - Size (**NOTE: This must complete in $O(1)$ time.**) [5 points]
 - B - Backup [5 points]
 - PB - Print Backup Ledger [3 points]
 - RB - Revert to Backup [4 points]
 - CB - Compare Backup with Current [4 points]
 - PF - Print Financial Information (**NOTE: This must complete in $O(1)$ time.**) [5 points]
 - Q - Quit [1 point]
-