SWD Coding Competition 2019 Rules

General Rules

- This assignment is NOT optional. It is MANDATORY.
- Each student must be in a team of 2-3 students.
- The problem statement will be available for download on icon on Thursday 12/5/2019 at 8:30 am.
- You are not allowed to discuss possible solutions with other teams. The problem will be easy enough for each team to fulfill the minimum requirements and obtain credit.
- No students are allowed to discuss the problem outside of their team/group/class.
- Just like for exams, your program will be run on the Linux laptops that are provided for the class (Swing or JavaFX). Be sure to test your final submission on a laptop before submitting it.
- Programs must be implemented in Java. Note – Javascript is NOT Java.
- You will submit documentation on your group gitlab Wiki as you would for any other problem.

Submission Rules

- The final submission must be checked into your team's project directory on the class Git repository by Sunday, 12/8/2019 before midnight. At this time the competition is over and the Git repository will be locked and no further submissions will be accepted.
- We recommend that you commit often to the git repository. We will be judging good software design practices and expect many commits by all team members during the process.
- Each team will submit three documents: a user's guide, a developer's guide, and an executive summary. The user's guide contains any additional features your team has added that were not a part of the minimum requirements, and must describe how to use your program and each additional feature. Features that are NOT listed in the user's guide will not be considered during judging. The developer's guide details how the program works internally, how to run the program, and any public API's used. The executive summary will be no more than a page in length and MUST contain a bulleted list of the key features of your program.
- These documents should be as short as possible while communicating the required information.
- High Level Documentation (except UML and JavaDocs) is due at 8:00 am on 12/9/2019
- In addition to linking them to your project website, you must also submit documentation (guides and summary as described above) to your team's ICON drop box.

Evaluation

- The TAs will rank submitted programs based on difficulty, readability, and organization.
- Successful completion of the minimum requirements will earn a minimum of 70% (similar to a grade of C-).
- As features are added, your ranking (and score) will increase. To gain credit for a feature, the feature must be documented and correctly functioning.
- Particularly well thought out and innovative solutions will increase your ranking.
- The TAs will select up to four of the best teams to present their programs.
- Finalists will be announced, and scores will be returned in class on Wednesday, 12/11/2019.

- You will be asked to complete a team member relative contribution survey on the final day of class in ICON (due on last day of class - 12/13/2019)

Finalists

- The TAs will select up to four teams to present their programs to the class on Friday, 12/13/2019, in 3655 SC.
- Invited teams will have no more than 10 minutes to present.
- Each presentation must contain a demonstration of your program utilizing only the class laptops.
- Each non-finalist student will fill out an evaluation sheet for each presentation; these sheets will be used in determining the winner of the coding competition.
- Submission of evaluation sheets will be graded as a quiz.
- Presenting as a finalist cannot hurt your grade, only help.
- Prizes (You must be eligible to receive extra credit to receive the prizes).
  - Winner: 30% Score bonus
  - 2nd Place: 20% Score bonus
  - 3rd & 4th Place: 10% Score bonus