

## CMPS 360, Spring 2016 Programming Project #2 Grade Sheet

*Late Submissions are not accepted.*

**Project Value 300 points**

### General Requirements:

- Project submissions not including a Certification of Authenticity will not be graded until such a written and signed submission is provided by the student.
- Code, even if substantial, that fails to compile will not receive a grade higher than 25%
- Code, even if substantial, that fails to run will not receive a grade higher than 50%
- A penalty of up to 10% may be assessed for use of global variables (variables declared outside of a function), lack of required documentation, lack of descriptive identifiers, lack of indentation of blocks of code, failure to submit the complete NetBeans project and failure to follow naming requirements of the project and associated tar archive.
- Uncontrolled recursion to produce repetition will result in a 25% penalty. (I.e. repeat using a loop, not a function call!)

### Project and Design Requirements Rubric Ratings (0-6, see the CMPS 260 Coding Rubric):

— The project as a whole provides a programming contest bookkeeping system that keeps track of the number of problems solved and the time taken to solve them for all contestants.

— Objects are identified and modeled through classes.

— At program start, the user enters the number of teams, the number of programming problems available, the duration of the contest in minutes, and teams are identified by consecutive numbers only.

— The bookkeeper is able to start the contest, pause the timer, mark the problem solved and restart the timer on each problem of each team. The bookkeeper is able to mark paused problems that are judged correct to be marked solved after time has expired. The main timer is visible at all times during the contest.

— When the contest starts, clocks on all problems start and the main contest timer starts. When the contest is over (i. e. when time has expired), the clocks on all unsolved or unpaused problems halt. Problem elapsed time is visible when the controls for a problem are visible.

— An option to view a current listing of the state of all problems by team is available to the bookkeeper. The final ranking of all contestants is output to a file in human readable form at the discretion of the bookkeeper

— **Rubric Total (36 maximum)**

— **STUDENT SCORE FROM RUBRIC (of 300 points)**

— **Total of Penalties Applied with List**

— **Partner Evaluation**

— **FINAL STUDENT SCORE (of 300 points)**

### Rubric to Points

36	300
35	292
34	283
33	275
32	267
31	258
30	250
29	242
28	233
27	225
26	217
25	208
24	200
23	192
22	183
21	175
20	167
19	158
18	150
17	142
16	133
15	125
14	117
13	108
12	100
11	92
10	83
9	75
8	67
7	58
6	50
5	42
4	33
3	25
2	17
1	8
0	0