**CS221** Project 3: Master Mind

I assert that I have completed project 3 on my own. I have NOT borrowed or written code from another student.

Electronic Signature\_\_\_\_\_\_\_\_\_\_\_\_TZ\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_4/29/2014\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Please grade me for the

Text Version: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ [Worth 15 points]

GUI Version: \_\_\_\_\_\_yes\_\_\_\_\_\_\_\_\_\_ [Worth 25 points]

Check the following:

My program compiles \_\_\_\_\_yes\_\_(Yes/no) If no, please explain:

My program works correctly. \_\_\_\_\_yes\_\_\_ (Yes/No) If No, please explain;:

I have submitted in a zip file the following:

* The complete Java Project (includes the input and output file). \_yes\_\_\_\_
* **A Sample Run** which shows the **color code** and the user input and output: \_\_yes\_\_\_\_\_\_\_\_\_

[This should provide enough information to show that the program is providing the correct clues to the color code]

Please indicate any work that you want to be considered for Bonus Points:

my Program works for a color code that allows for duplicate colors \_\_\_no\_\_\_\_\_\_

Other [Please indicate]:

It works only with single colors

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| --- | --- | --- |
| *Code Correctness*: 8 pts | Possible Points | Points Earned |
| 1) The computer generates the color code: | 2 |  |
| These are 4 different colors assigned to 4 different “Pegs.” |  |  |
| The 4 colors are chosen randomly from 6 possible colors |  |  |
| 2) The program is able to generate the clue | 5 |  |
| * A “Black peg” for each peg that has the correct color and position |  |  |
| * A “White peg” for each peg that has the correct color, but NOT the correct position |  |  |
| 3) The user has up to 12 guesses. | 1 |  |

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| ***I/O for Text Base Program***: 2 pts | Possible Points | Points Earned |
| Prompts and Printing are appropriate | 2 | 2 |

|  |  |  |
| --- | --- | --- |
| *GUI Version:* 12 pts | Possible Points | Points Earned |
| Appropriate GUI for user to Choose Peg Color | 4 |  |
| Appropriate GUI for showing clues | 4 |  |
| Appropriate GUI for showing solution and indicating if user is correct. | 2 |  |
| 2 points for mechanics: Interface is user-friendly. | 2 |  |

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| --- | --- | --- |
| Program Mechanics: 5 pts |  |  |
| 1) Program has many comments including the following:  your name, program #, and the date. \_\_\_\_\_\_\_\_\_\_\_\_\_  a brief explanation of the program. \_\_\_\_\_\_\_\_\_\_\_\_\_\_  brief explanations of each method \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 2 |  |
| 2) Methods are not more than 20 lines of code | 2 |  |
| 3) Student hands in zipfile on time that contains | 2 |  |
| Compiled project |  |  |
| Sample Run |  |  |
| Bonus Points for Extra:  Program Works for Color Code that allows for duplicate colors \_\_\_\_\_\_\_\_\_  Other [Please indicate] |  |  |
| TOTAL= | 15[text]  25[GUI] |  |
| Late penalty[.5 points/day after the due date of April 19th] |  |  |