

Homework Assignment - Part 5  
CS 350/SE 310: Software Design/Software Architecture I  
Fall 2015

**Part 5: Grade a Test/Tabulate a Survey/Test**

Add to the Main Menu an option to grade a test or to tabulate a survey/test.

i.e.

- 1) Create a new Survey
- 2) Create a new Test
- 3) Display Survey
- 4) Display a Test
- 5) Save a Survey
- 6) Save a Test
- 7) Modify an Existing Survey
- 8) Modify an Existing Test
- 9) Load a Survey
- 10) Load a Test
- 11) Take a Survey
- 12) Take a Test
- 13) Grade a Test
- 14) Tabulate a Survey
- 15) Tabulate a Test
- 16) Quit

**NOTE a Test can be both tabulated and graded!**

**Grade a test:**

- Each test can be graded.
- Grading is automatic.
- All questions are worth equal points.
- Essay questions can not be graded.
- If there are 10 questions, 1 essay question and a student gets 8 of the 9 non essay questions correct, the program should output 80/90 as the actual grade.

**Tabulate a test/survey:**

Some questions can be tabulated, others simply can show the responses by respondees placed together.

For each test or survey tabulated.

- True/False: Output the total True responses and total False responses.

- Multiple Choice: Output the Total number of responses for each choice.
- Short Answer: Output the Total number of each response. Don't worry about combining spelling issues and such.
- Essay Answer: Simply list all of the answers
- Matching and Ranking: List the number of each permutation submitted and the permutation.