# CS6326 Human-Computer Interactions

# Fall 2016

### Assignment 2A

Evaluation is a crucial part of user interface design.  Use the rebate entry program you have written to do the following:

1. Put the program in its own directory with nothing else so it does not interfere with your assignment.
2. Use the program to enter 10 records into the program.  Record the time from start to finish to enter all 10 records, including pauses between records.  Use a timer on your phone for this, but you'll also use a program to measure it.  Use the following standard data for each record:
   A. First name: Aaaaaaaaaa1 (increment the number for subsequent records)
   B. Last name: Bbbbbbbbbb
   C. Middle initial: F
   D. Address line 1: 1234 Main St.
   E. City, state, zip: Dallas, TX 75001
   F. Phone: 1112223333
   G. E-mail address: abc@utdallas.edu
   H. Proof of purchase: Yes
   I. Date: default.
3. Write a program that analyzes the data file and writes the following things to a text file and to the screen:
   a. The number of records (should be 10.)
   b. The minimum, maximum, and average time to enter a single record
   c. The minimum, maximum, and average time between finishing entering a record and starting the next one.
   d. The total time from starting to enter the first record to finishing the last one.
4. This being a class in the design of user interfaces, your program must use a graphical interface to guide the user through the process of analysis.  Considering the kind of program, you should include instructions and descriptive text.
5. While I encourage you to write in C#, you may write this program in Java if you prefer.  No other languages are acceptable.

**To hand in through eLearning:**
   A. The C# source code for your program.
   B. The text file of evaluation produced by the program you evaluated.
   C. The output text file of records produced by the program.
   D. A screen shot (as a .jpg or .pdf) of the results of running your program.
   E. In the comments in eLearning, put the time you recorded to enter the records.

**Grading (Total points: 100):**

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|---|---|
| Time to enter records as recorded by hand | 5 |
| Meets technical requirements, including all five parts of the analysis | 40 |
| Does not crash on invalid input | 15 |
| Clean user interface | 30 |
| Program comments | 10 |