CS 1530 Project

Beta Testing

Due: November 19th, testing results and testing documents: November 29

For this project milestone, you should have a functional, and mostly complete implementation of your Surpass spreadsheet product. Something that can be tested at the customer’s site (beta test). The instructors and two groups will be the testers for your product.

What to hand in:

1. The complete source code for your project. If it’s not straightforward to compile and run your Surpass version, a description on how to compile and start it should be handed in as well. For testing purposes, we will be producing bytecode executables that we will be using for testing and distribute to other groups for testing. Only the instructors will see the actual source code. (due 11/19)
2. A test plan along with tests and test cases to test your product. (due 11/29)
3. Your original requirements specification. The test plan should describe how each of the requirements is tested. (due 11/19)
4. A user manual .(due 11/19)
5. Your code should be well documented. This includes comments in the code but we also like a short write-up that relates your design to the implementation. (due 11/19)

Please hand in your materials electronically, either as a zip or (compressed) tar archive.

How your project will be graded:

1. Correctness. The beta testers will try to break your Surpass system in any possible way. It should be stable, handle errors gracefully, and conform to your specification.
2. Completeness. Mostly complete should not be read as you can implement just what you see fit. If there are minor omissions with respect to your design or specification, this will not affect your grade by much. But every missing feature will lower your grade. If your Surpass is not usable (can’t create, load or save spreadsheets, enter data and formulas and calculate) your grade will be an F.
3. The quality of your documentation: this includes the user manual, and code documentation. If the instructors have any doubts about how your code was derived from your design you may be asked to make an oral presentation either in
class or during office hours explaining your code and relating it to the design. If there’s no apparent relation between your design and the code you turned in, your grade will be an F.

4. 20% of your grade will be based on your own testing of two other Surpass versions. For this part you will have to hand in your test cases, test plans and test results for the two tested Surpass programs. (due 11/29). We expect to distribute the bytecode before 11/22.