15-413: Introduction to Software Engineering

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Iteration 1 Report

Due: Monday, October 10, 11:30am (hardcopy at beginning of class)
20 points

This assignment is a group assignment. Each project group should turn in one response to each part, with all the names of the group members.

Turn in:

1. **How many person-hours (real, not "ideal") did your team devote to the project?** This includes all time spent in client meetings, doing design, learning the domain, testing, planning, and pair programming. It does not include non-XP-related class assignments, such as the Wideband Delphi estimation exercise. It does include any time you spent on your prototype, beyond the nominal 3 hours/student from the assignment.

   Note that this number should be close to 6 hours/person/week; if it is not, you're putting too much or too little time into the project.

2. **List all of the user stories you worked on this iteration along with your *original* time estimate for each one in "ideal hours", and the percentage complete you believe you are with the story.** This percentage should not be 100% unless your code passes the relevant functional test(s). Of course, no matter what your code should pass all unit tests.

   I didn't find anywhere in the XP process where you estimate percentage complete at the end of an iteration, but it seems like the most rational thing to do in order to estimate how much "ideal work" you did, in the case where some stories are incomplete (see below).

3. **What is the total of the ideal hours completed for the user stories in #2?** This should be the originally estimated number of ideal hours for each story, times the percentage done for that story, summed over all stories.

4. **Compute your load factor for the next iteration's estimate.** This is #1 / #3. Note that if you estimates were completely accurate and the load factor of 2 correctly took into account the management overhead, you would compute 2.0 again. However, your new figure is likely to be different from 2.0, and that's OK.