Second Iteration Development and Code Inspection (and Demo): Team Assignment 6

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This is a team assignment.

Implement your second iteration. That is, the complete system should be coded, blackbox tested and demoable. Tell us who did what for which parts.

Run a static analysis checker on your entire codebase. Post the static analysis report(s) in your github repository, and include a link in your document submitted for this assignment. Fix as many problems as time permits, and record what has been fixed vs. not.

Pick two significant components from your code, one written by each pair, focusing on those components with the most (historically) known problems and/or complexity. A "component" might be a module, a package, a large class, an interrelated set of smaller classes, etc. Hold a code inspection meeting with all team members present (or participating remotely via screen sharing) and walk through the source code of each component. Try to find *additional* problems, besides the known problems (do not dwell on problems already found by static analysis). For component A, the reader should be one of members of the pair who developed A and the recorder should be the other member of that pair, and then switch to the other pair for component B. If your team does not have exactly four members, improvise, but the reader and the recorder should not be the same person. (The 2-person team only needs to review one component.)

In your document submitted for this assignment, identify exactly which code constitutes each component (e.g., which files), and who the reader and recorder were for each component. Include all the notes taken during the meeting (after cleanup), describing *new* problems found. Fix as many problems as time permits, and record what has been fixed vs. not.

Schedule a demo with your IA team mentor before the deadline for this assignment. Plan for about 15-20 minutes. The demo itself only needs to be about 5-10 minutes, but you should allow time for discussion with your mentor. Your entire team should attend if possible. (The CVN team should arrange online screen sharing to present their demo.) If your demo has not yet occurred before the deadline for this assignment, submit a stub for the assignment on time anyway and include a note at the top saying you have not yet shown your demo to your team mentor. Then submit again afterwards, removing that note, adding the missing content and highlighting any other revisions. (Note this is not your final showcase demo for the JP Morgan judges.)

After the demo, add prose to this assignment describing what you were able to demo and record any problems that arose, any recommendations from your mentor, etc. Make sure your entire codebase, including any test cases, configuration files, scripts, data sets, etc. in your git repository. Tag the repository to clarify which revisions of which files contributed to *this* demo.

Each team should submit a single file, i.e., one member should submit. The name of your file should include your team name, and the contents of the file should also include your team name.

Points	10
Submitting	a file upload
File Types	doc, docx, pdf, txt, xls, and xlsx

Due	For	Available from	Until
Nov 30, 2017	Everyone	Aug 15, 2017 at 12am	Jan 31, 2018 at 11:59pm

+ Rubric