Second Iteration Development and Code Inspection (and Demo): Team Assignment 7

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This is a team assignment.

Implement your second iteration. That is, the complete system should be coded, unit-tested and demoable.

Run a static analysis checker on your entire codebase, and produce its report(s). You may need to run the checker on each file separately, or it may need a build script. If the checker doesn't find any problems, try a different tool. Include the static analysis report(s) in your github repository. 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 components with known problems (if there isn't at least one component per pair with known problems, then choose the most complex component for each pair). A "component" might be a module, a package, a large class, an interrelated set of 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 (e.g., 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.

Write a document that identifies exactly which code constitutes each component (e.g., which files), and who the reader and recorder were for each component. Include in this document all the notes taken during the meeting, possibly cleaned up after the meeting, describing the *new* problems found. Include this code inspection report in your github repository. 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 20 minutes. The demo itself only needs to be about 10 minutes, but you should allow time for discussion with your mentor. Your entire team should attend if possible. (CVN teams should arrange online conferencing to present their demos.)

Do not submit this assignment until after your demo has taken place. Describe what you were able to demo and record any problems that arose, any recommendations from your mentor, etc. on github. Since you should have accumulated multiple issues by now, tell us which specific issues stem from *this* demo and how to find them.

Make sure your entire codebase, including any test cases, configuration files, scripts, data sets, etc. as well as static analysis and code inspection reports are in your github repository. Tag the repository to clarify which revisions of which files contributed to *this* demo. Also make sure your second iteration task board is up to date.

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. State the repository tag used for the demo. Otherwise, all you need to include in this file is references to where to find your materials mentioned above (including the second iteration ask board as well as the static analysis and code inspection reports).

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

Due	For	Available from	Until
Dec 1, 2016	Everyone	Aug 26, 2016 at 12am	Jan 31 at 11:59pm

+ Rubric