

Continuous Integration and Coverage: Team Assignment 7

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This is a team assignment.

First setup your github repository with a continuous integration tool, if you haven't already, and make a pro forma commit to check that your full test suite indeed executes.

Then introduce a coverage tool (statement and/or branch) that plays nicely with your unit testing and CI tools, and measure the percentage covered. If this is not 100%, figure out what code isn't being exercised and why, and add additional unit tests to try to increase coverage. You may not be able to exercise all code automatically generated by the framework, instead focus on covering your own code; remember you can use unit tests, and mocks/stubs employed in unit tests, to invoke subroutines with parameters that would be hard to force during full system execution and to return values that might be difficult to achieve during full system execution, respectively, e.g., security violations, network errors, file system full. Add the coverage report to your github repository, and include a link in the document you submit this for this assignment.

Finally, devise a set of full system tests for your application, corresponding to your user stories and/or use cases. Some of these might be manual scripts rather than automated, that's ok as long as you indeed manually conduct the tests, observe the results, and record any bugs found as issues. Include any scripts, data sets, etc. in your github repository.

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
Dec 9, 2017	Everyone	Aug 15, 2017 at 12am	Jan 31, 2018 at 11:59pm

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