

Reflection on test code coverage

Using Emma as a test coverage tool was a delight really. It gave you a clear overview of what parts of the code that didn't run in the tests and could then be easily covered. Using Emma felt like a great advantage.

What we feel was that there was a lack of instructions on how you set it up for Android though. We searched quite a lot before we eventually found a small blog that explained how you could set it up. This meant quite a few hours spent on just trying to get it working. However when this was done the usage of Emma led us to write effective test code and it was easier writing it since you got instant response from the statistics of what was covered and what was not.

Using Emma helped us writing tests for cases we had completely missed, specific else-cases or just exceptions people didn't think of since you were writing test code that tested what the app does in a working state, not what happens when it doesn't work.

The importing of the coverage files were also very smooth and easy and saved us a lot of work by trying to find other solutions. Running Emma was also very smooth, just one simple command in a terminal and the program handled the rest.

Conclusively we felt Emma was great because:

- Easy overview of what code is tested and not.
- Fast and direct input with good statistics.
- Easy to use and extract the coverage files.
- One simple command to start it.

Emma was not so good because:

- Hard to find instructions on how to set it up with Android.

We feel that for next year's students, a little intro on how to set it up for android would not have hurt. Especially for maybe Windows where you need to to set path variables and etc just to run certain shells like ant or android.