

Sprint Retrospective, Iteration #4

Context Project: TSE
Group: BlueTurtle

User Story	Task	Member responsible for the task	Task Assigned To	Estimated Effort per Task (points)	Actual effort per task (points)	Done?	Pull Request Number / Branch name / Commit for the (finished) task	Notes
Visualizer: The component that is responsible for the generating the visualizations	Add the filter for (mapped) warning categories	Tim	Boning, Tim	4	4	Yes	Visualization branch	-
	Color scale also the option to be relative to the project (suggestion of Moritz)	Tim	Boning, Tim	3	2	Yes		-
	Visualisation of larger projects (more classes more packages more warnings)	Boning		4	2	No		We ran a big project quite late in the sprint. There appear to be some bugs when running big projects on our visualizer. Unfortunately we did not have time to fix these in this sprint, so we moved them to the next sprint.
	Find a way to visually compare the different SAT's better	Tim	Boning, Tim	2	2	Yes		We came up with a small improvement
	Start implementing this comparison in the visualization (finish iteration #5)	Boning	Boning, Tim	4	5	Yes		The small improvement is implemented so that's done. But there's a lot more to this task for next week.
As a user of the system I want to be able to select configuration files for ASATs and configure their options» e.g. running FindBugs at low or high effort.	Add ability (in the GUI) to select configuration file for the ASATs	Clinton	Clinton, Michiel, Sunwei	6	6	Yes	45	-
Code readability improvement: Source code of the system should be readable	Use Lombok and change classes (if needed and possible) to improve readability.	Michiel	Michiel, Clinton	4	3	Yes	42	-
Parser: Component that is responsible for converting information from a file to objects that the system can use.	Try to make the FindBugs parser compatible with our generated FindBugs output	Sunwei	Sunwei, Clinton	2	1	No	44	We focused on fix the file path from the parser, but then realize there is a more complete change of the parser need to be done, so the task of implementing the new parser is given to next sprint.
	Further grouping of warnings according to GDC, see gdc-topology	Sunwei	Sunwei	3	1	Yes		After discussing with Tim, this is more easily done by filter through visualizer, so no additional work need to be done is analyzer part.
Documentation: Documents needs to be updated	Architecture Design need to be updated (This time for real, Michiel)	Michiel	Michiel	1	0	No		The system is undergoing some large changes at this moment (possibly switching to relying on maven), so updating the architecture design is not too too useful at this point.
Refactoring: Code of the system should be refactored.	Refactor the code based on the feedback of Bastiaan	Clinton	Clinton, Michiel, Sunwei	2	2	Yes	43	-

Main problems encountered:

Problem 1

We encountered the problem that CheckStyle and PMD can generate outputs through directory, but FindBugs have to run through a jar, therefore we had problems with FindBugs parser is not compatible with its output. The reason for the change is because the output that is produced after running FindBugs through jar file is different than the result that is produced by Maven. After the meeting with our TA, we decided to ask our clients which option do they prefer, if we run our ASATs entirely through Maven? or do we run it individually.

Reason

We are going to ask our clients, and also change our way of outputs and parsing accordingly based on the feedbacks.

Problem 2

We encountered the problem of finding a good comparison method for different ASATs

Reason

For this problem we send a message to our customers and asked them what they want and if they have some suggestions for what we could implement. We are waiting for their response and based on it we will try to implement a comparison method next sprint.

Team member	Total actual effort (points):
Boning Gong	10
Tim Buerkert	10
Sunwei Wang	8
Clinton Cao	8
Michiel Oeseburg	8

Adjustments for the next sprint

Adjustment 1

We will be asking our client for some feedback on the choices that we should make, whether we will restrict the tool to be used for Maven projects or not.

Adjustment 2

Ask Bastiaan if there are things unclear from his side. For example the feedback on sprint 3, this one we got later than the previous ones. We asked each other what could be wrong but did not contact Bastiaan.