

Composable Tests in Junit

Bachelor Project

Lea Hänsenberger

Overview

- which are the goals of the project
- what is already done
- what needs to be done
- roadmap

Goals

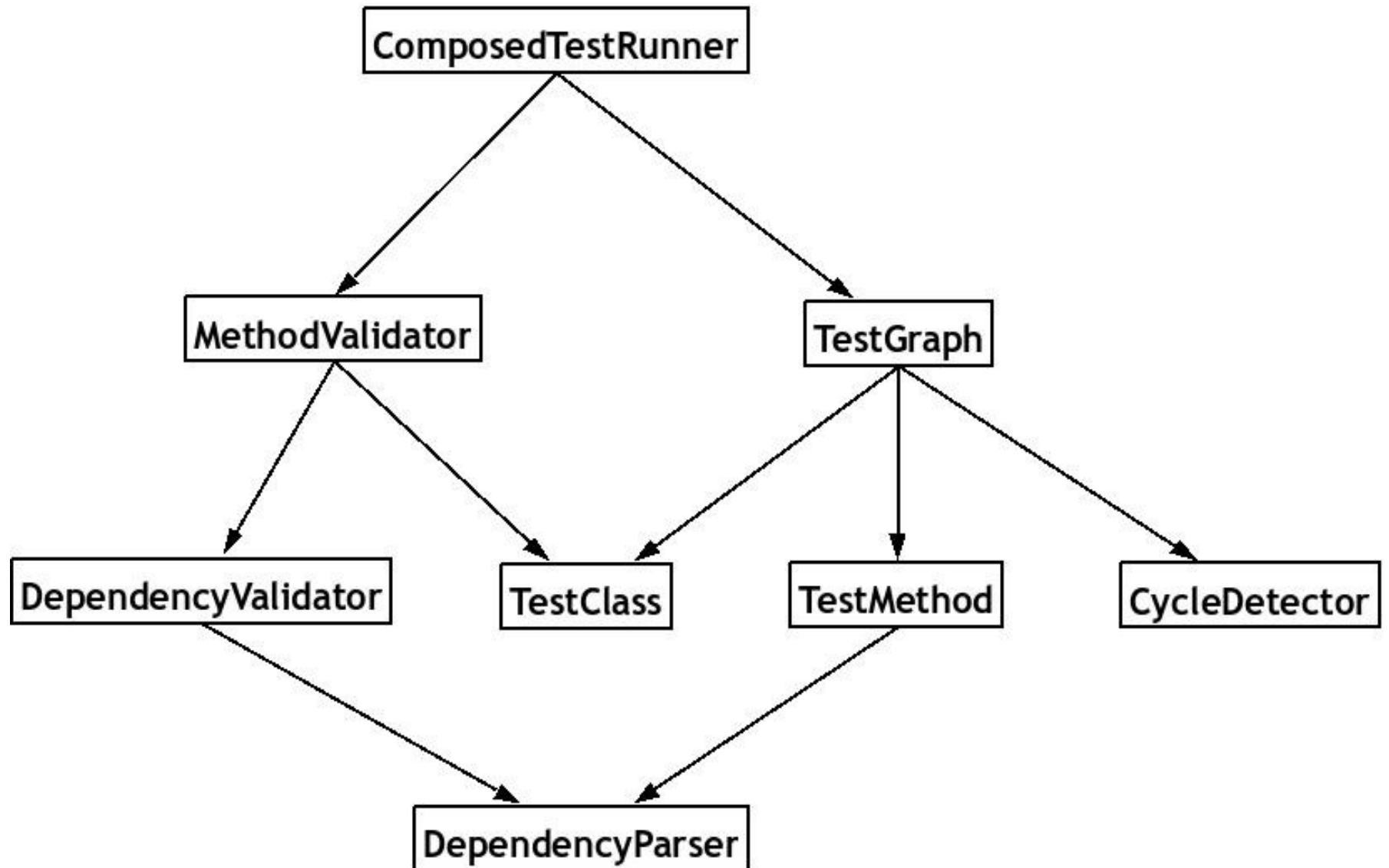
You should be able to:

- define dependencies between testmethods (also between testmethods of different classes)
- define testmethods, that have a return value
- define testmethods that take parameters (only, if the method depends on a testmethod, which returns an object of the same type as the type of the parameter)

What is already done?

- testmethods with return values and/or parameters are accepted as valid testmethods
- testmethods are run in the order of their dependencies
- testmethods are ignored, if the testmethod, they depend on, has failed or was skipped itself

UML



What needs to be done?

- take the return value from a testmethod as parameter for a testmethod that depends on it
- case study: rewrite „normal“ JUnit-Tests of an application with composable tests and compare them
- adapt the eclipse plugin to display some more information
 - e.g. a graph-visualization of the test-dependencies

Roadmap

