Debt Model

The debt quality model is inspired on **SQALE method.**

According to the definition in its website:

> The SQALE method has been developed to answer a generic and permanent need for assessing the quality of source code. Standards like ISO 9126 and ISO/IEC 15939 do not provide effective support for this challenge. The SQALE method is targeted for an automated implementation. It is generic and language and tool independent.
>
> **The SQALE method is particularly devoted to the management of the Technical Debt (or Design Debt) of software developments.** It allows:
>
> - To define clearly what creates the technical debt
> - To estimate correctly this debt
> - To analyze this debt upon technical and business perspective
> - To offer different strategies allowing establishing payback plan.

Although SQALE method is focused on source code, we have adapted it on our way to be able to focus on JIRA issues, instead of lines of code. We have named this debt as "**management debt**".

The Analysis Model

The Debt Analysis Model contains the rules that are used for normalizing the measures and the controls relating to the JIRA issues.

The model normalizes the reports resulting from the JIRA issues analysis by transforming them into remediation costs. The model defines rules for aggregating these costs.

Debt is computed for each issue by checking if the rules are violated or not.

The Rules

A set of rules is provided by the plugin in order to compute your management debt. If you think that a rule is missing, please contact us and we will include it in the next release.

Rule Name	Rule Description	Default Debt
Resolved after due date	This rule checks if the issue has been resolved after issue due date	1 hour
No updated last month	This rule checks if the issue has been updated during the last month	1 hour
No comments	This rule checks if the issue doesn't have any comment	15 min
No description	This rule checks if the issue doesn't have a description	30 min
Longer than expected	This rule checks if issue timespent is over estimation	1 hour
Short description	This rule checks if issue description is too short	30 min
Short summary	This rule checks if issue summary is too short	5 min
No original estimation	This rule checks if issue is not estimated	15 min
No assignee	This rule checks if issue is not assigned	15 min
Too Much Timespent	This rule checks if issue is taking to much time	1 hour
Too Long Estimation	This rule checks if issue estimation is too long	1 hour

Check out plugin administration to know how to enable/disable the rules.