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Roopairs

There are a variety of methods to calculate technical debt. In this method I used:

Formulas:

RC = **k**(Cyclomatic Complexity) + **p** (Documentation)

Remediation Cost: **RC** [hours]

Development Cost: **DC** [hours]

Technical Debt = (RC / DC) x 100%

Calculation:

RC = 1.788

Remediation Cost: 8hrs (fix RestApi) + 15hrs Documentation

Development Cost: 363 Hours (Jira)

Technical Debt = (23 / 363) x 100% = 6.33%

Analysis:

A technical debt ratio is the cost of cutting corners over the hours spent building the system. As such a technical debt ratio of 6.33% is quite low for our project. However, our technical debt is not eliminated; as such, we must work towards improving the simplicity of our API calls. In addition, it is important to create documentation for the software in order to ensure a smooth transition during the handoff to the Rooio team. By being lazy and not creating documentation as code is written, the number of hours to finish the project will increase as we struggle to understand the code base in the future.