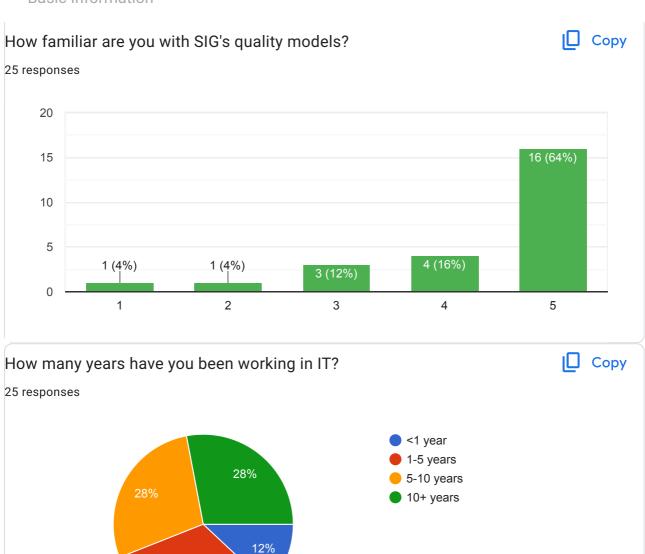
Refactoring Effort Survey

25 responses

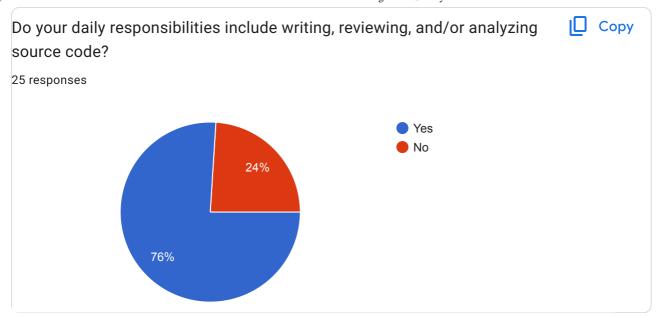
Publish analytics

Basic Information



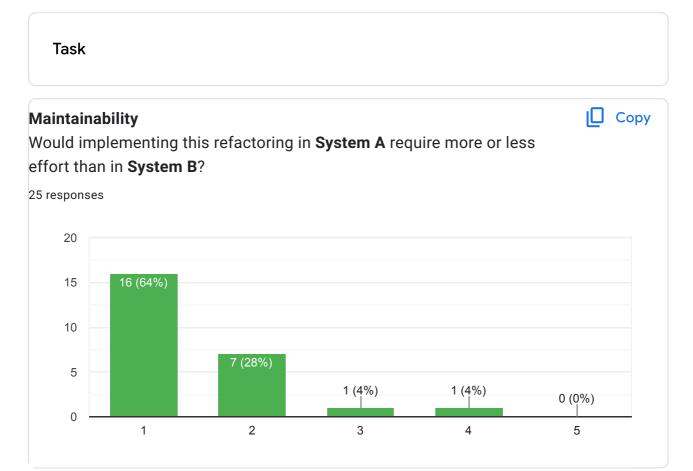


32%

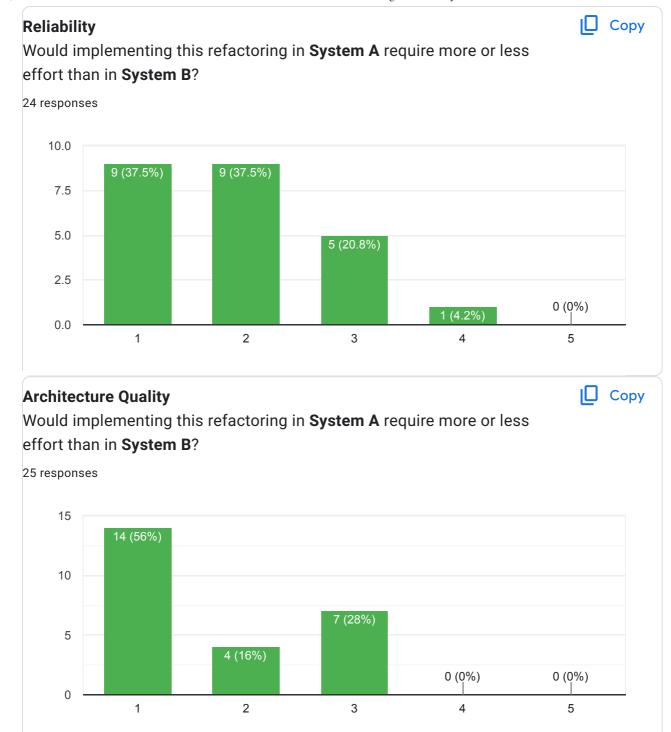


Task Description

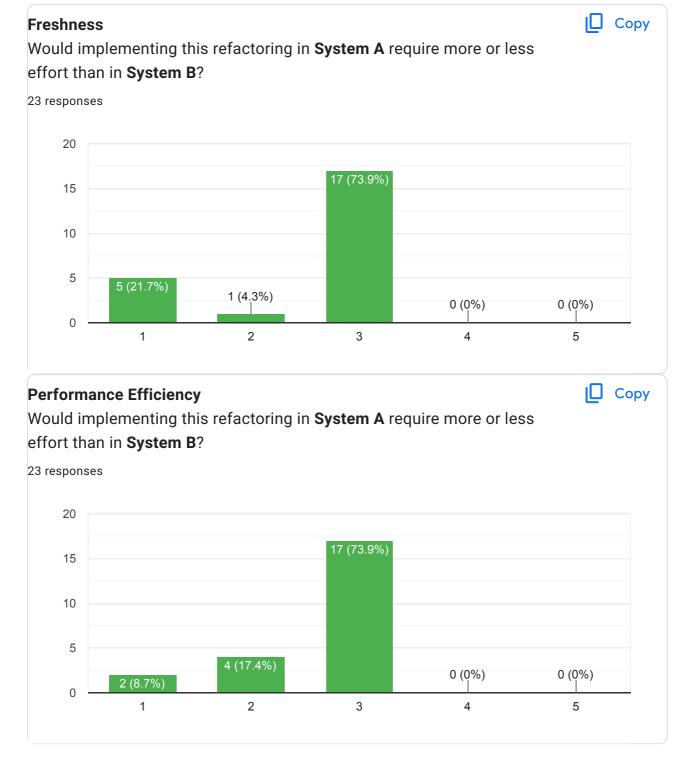
Refactoring 1: Convert Local Variable to Field







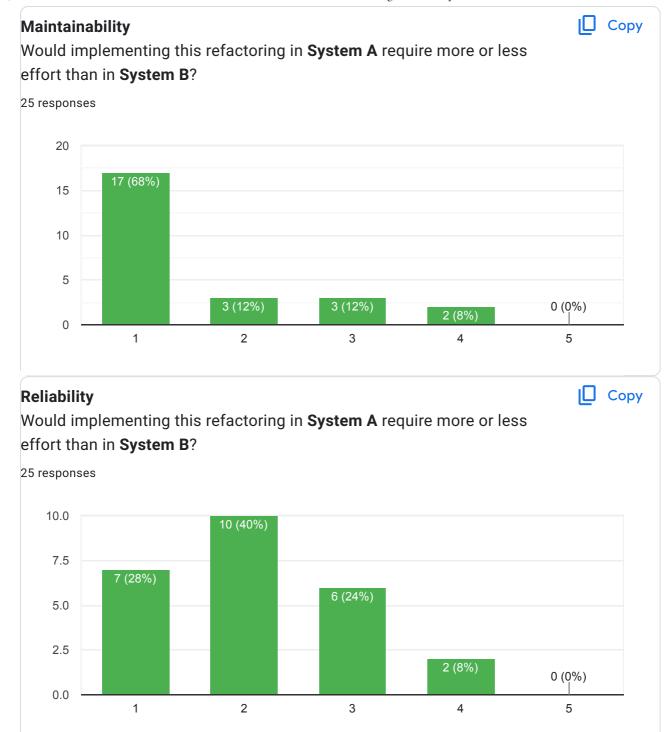




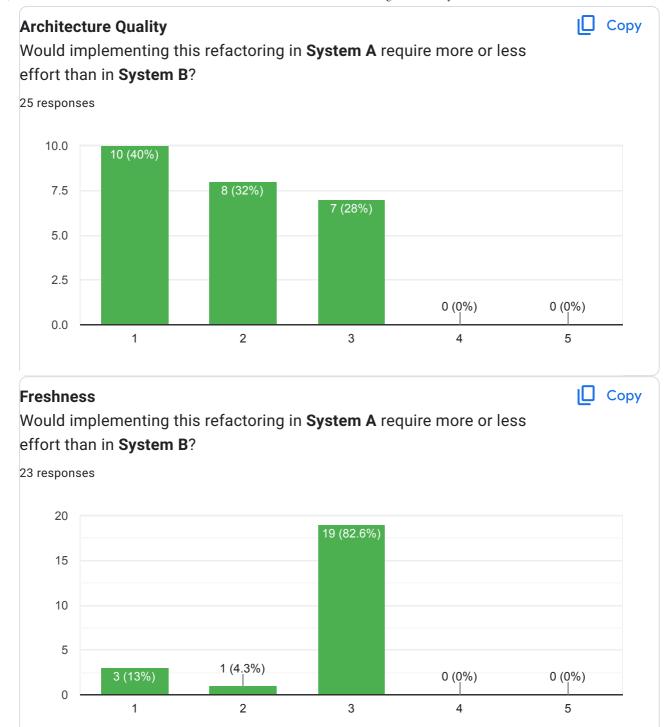
Refactoring 2: Extract Local Variable

Task

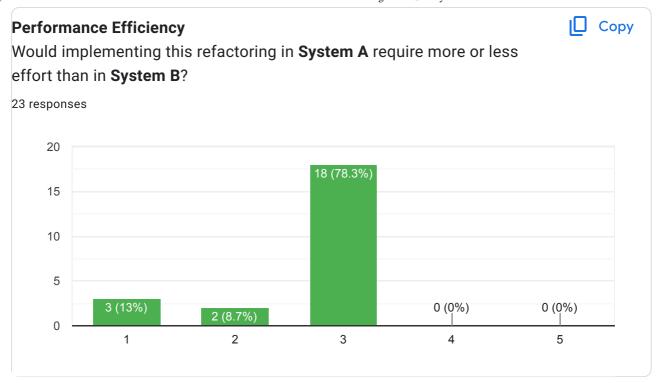




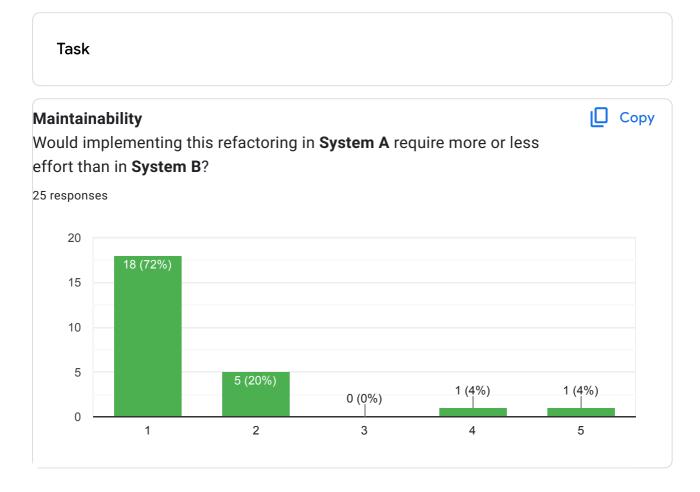




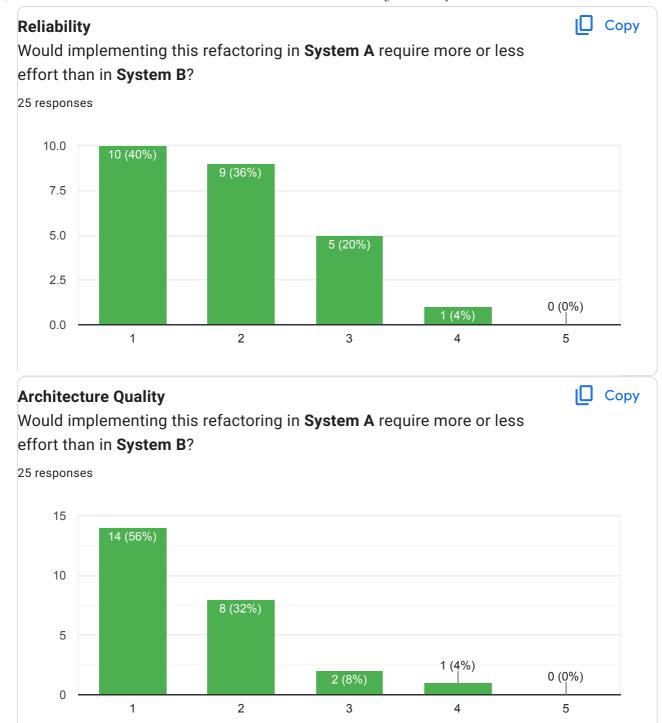




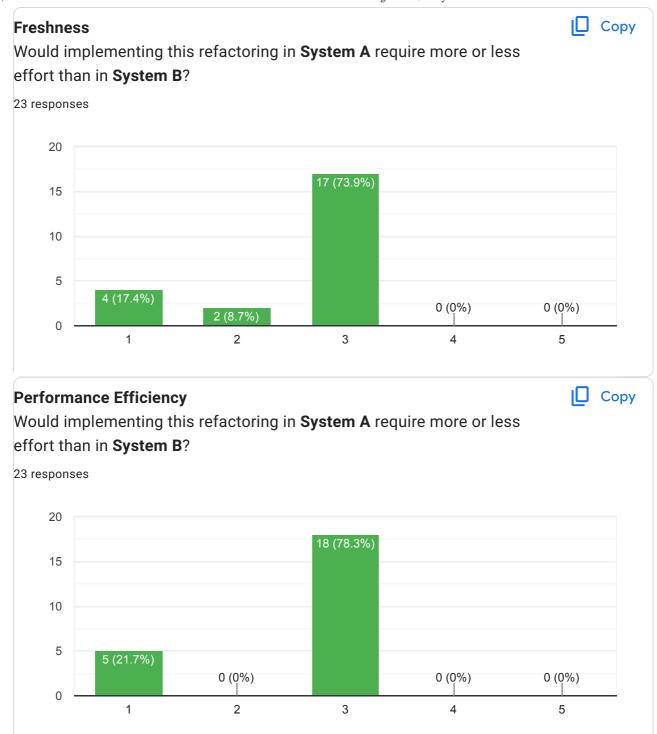
Refactoring 3: Extract Method







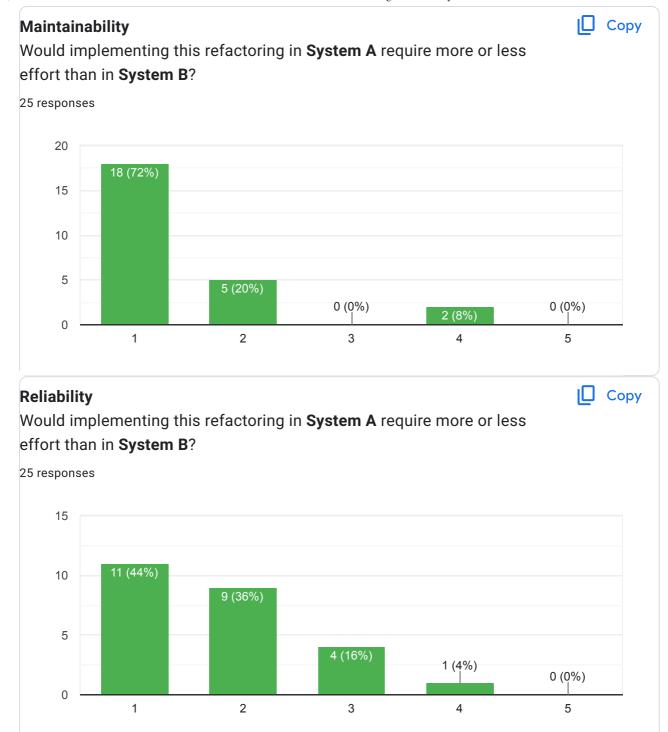




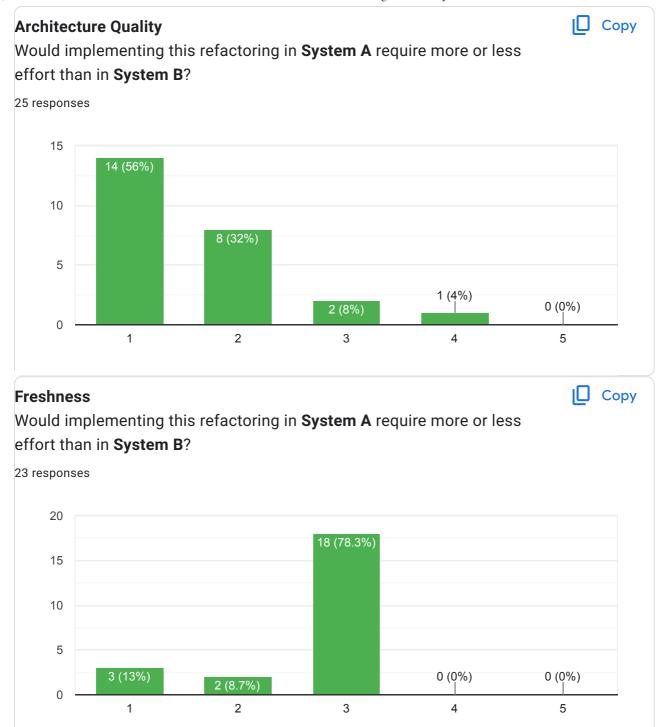
Refactoring 4: Introduce Indirection

Task

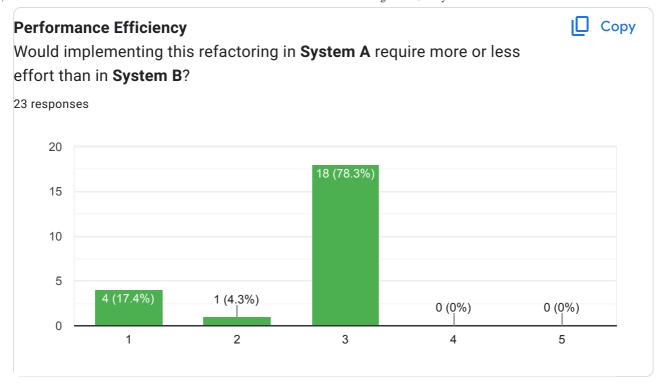




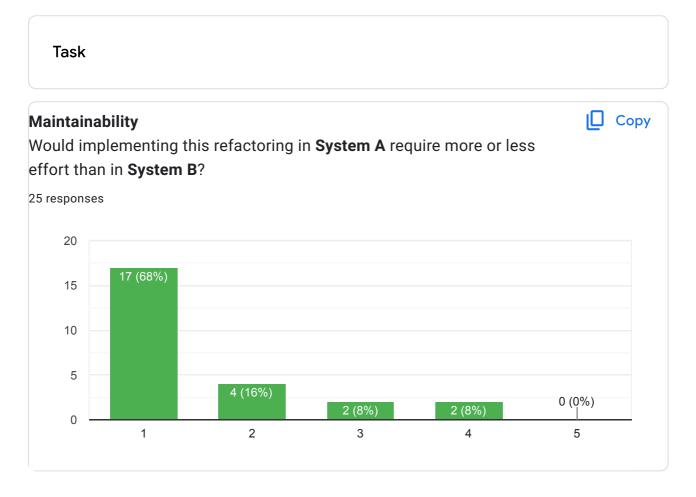




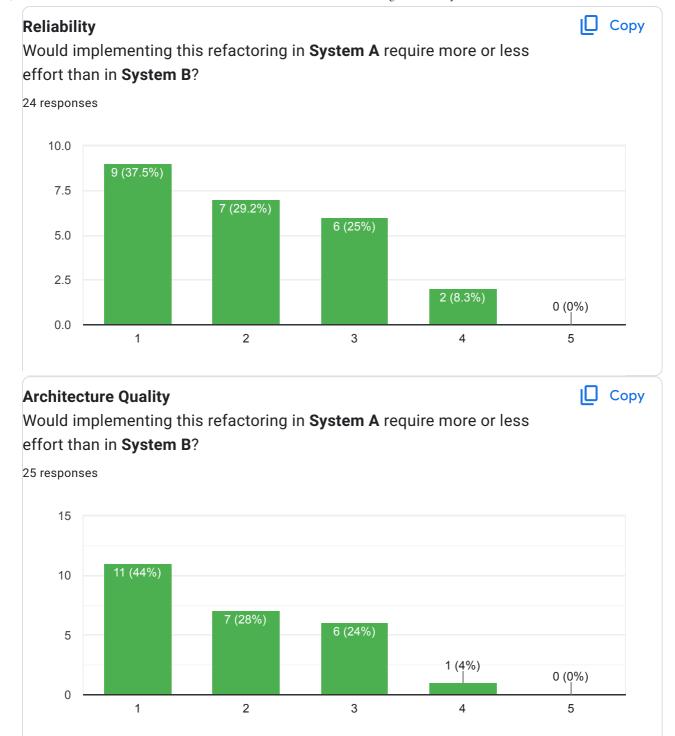




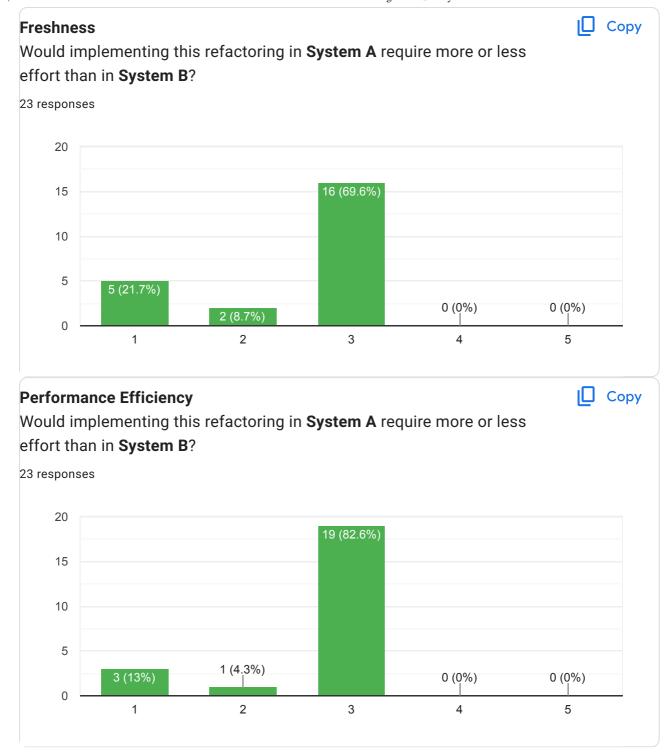
Refactoring 5: Inline Method







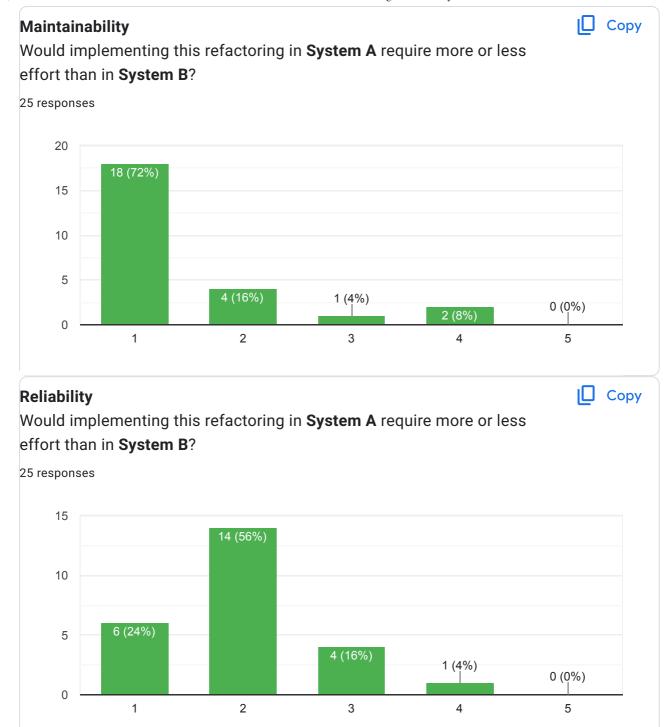




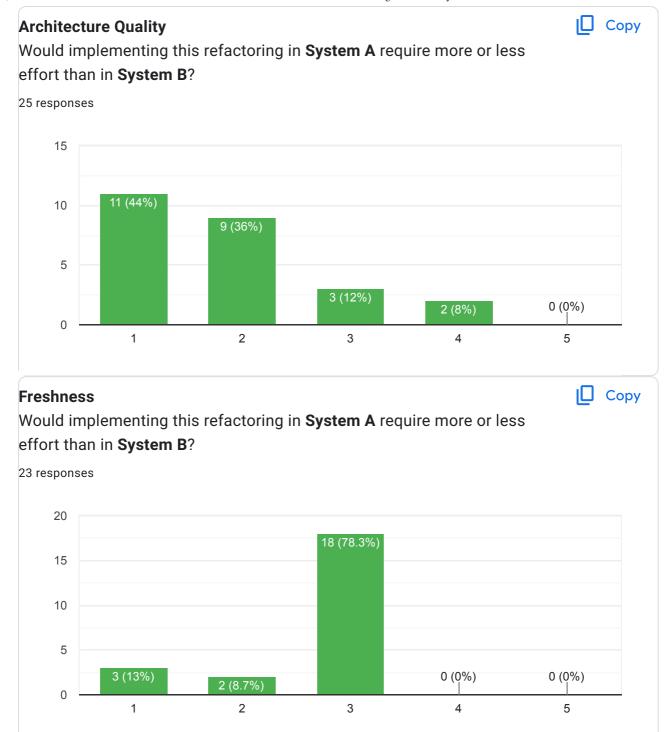
Refactoring 6: Introduce Parameter Object

Task

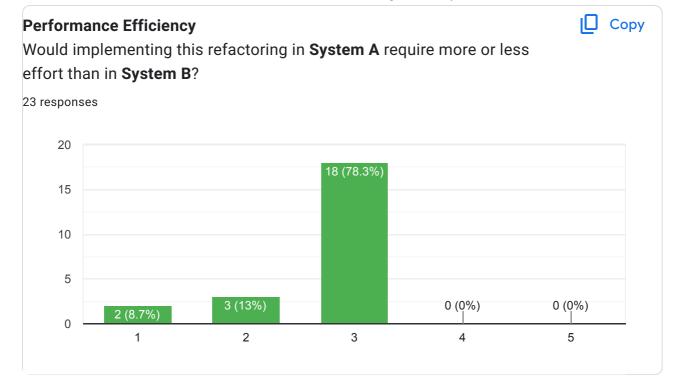












Thank you for your participation!

Do you have any additional comments?

6 responses

No

Bugra here.

The refactoring effort, in my opinion, directly depends on the required testing effort. The testing effort depends on how much of the codebase has been impacted. The "how much" is determined by the volume of the system and the dependency structure (how coupled the things are).

Please note that many of these refactoring can be done automated nowadays, meaning that there is almost no manual effort. However, the testing is still the actual effort.

Good luck!

As I indicated in my answers, I don't believe the runtime behavior of the system and this type of refactorings don't have any relation.

It wasn't really clear what was expected of the 5-point scale. I mostly based by answers on 1 or 2 characteristics per model; e.g. with fewer LOC I assume there are less possible candidates for the given refactoring type, so less effort.

I think since all the refactoring patterns require changing and retesting code, the characteristics presented have very similar effects on the time required for it. Therefore my answers are mostly the same across the various patterns.



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