Maintaining Clean Code

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TEST AUTOMATION ENGINEER

Define rules › Write Code › Use static code checker › Submit for Code Review › Merge

Static Code Checkers

FindBugs

Outdated

SonarLint

Popular and active

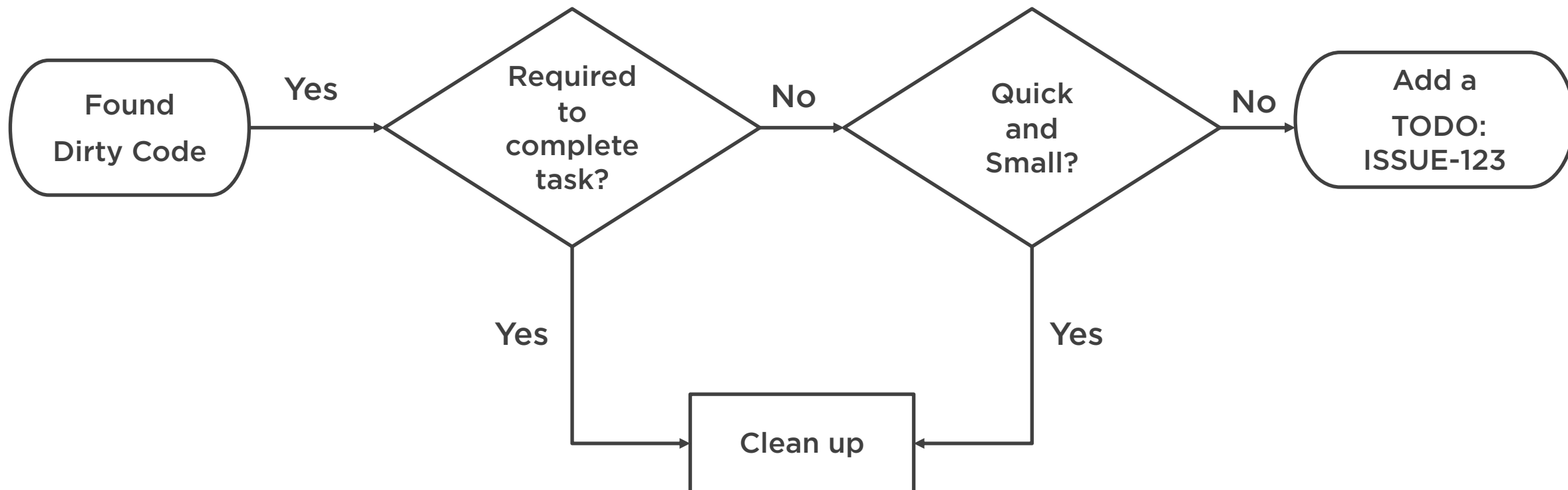# "Fix issues before they exist."

SonarLint

Boy Scout Rule:
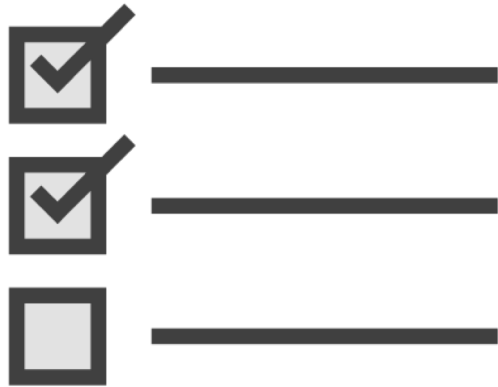Leave the ~~campground~~ code cleaner than you found it.

```
Found
Dirty Code  --Yes-->  ◇ Required
                         to
                         complete
                         task?  --No-->  ◇ Quick
                                           and
                                           Small?  --No-->  Add a
                                                            TODO:
                                                            ISSUE-123
              │Yes                                    │Yes
              └──────────────> Clean up <─────────────┘
```

Found Dirty Code — Yes → Required to complete task?

Required to complete task? — No → Quick and Small?

Required to complete task? — Yes → Clean up

Quick and Small? — No → Add a TODO: ISSUE-123

Quick and Small? — Yes → Clean up

A lot of small changes
add up quickly

Good Code Review

At least two reviewers

At least one person understands the business side of the code under review

Merging not possible until all highlighted issues addressed

No Code Review Tool Implemented

Pair Programming

Code Review at desk

Summary

Use static code analysis tools

Apply the Boy scout rule

Code Review and Pair Programming