

Simplification EngineDocs

app.codereview-suite.dev/simplify

FileEditViewAnalysisExportHelp

https://github.com/your-repo/blob/main/src/MyService.java

AnalyzeSave fixExport report

JavaPythonTypeScript

MyService.java12 issues

Suggested revisionSimplified

```
1 public List<String> getActiveUsers(List<User> users) {
2     List<String> result = new ArrayList<>();
3     for (int i = 0; i < users.size(); i++) {
4         User u = users.get(i);
5         if (u != null) {
6             if (u.isActive()) {
7                 if (u.getEmail() != null) {
8                     result.add(u.getEmail());
9                 }
10            }
11        }
12    }
13 }
```

```
1 public List<String> getActiveUsers(List<User> users) {
2     return users.stream()
3         .filter(Objects::nonNull)
4         .filter(User::isActive)
5         .map(User::getEmail)
6         .filter(Objects::nonNull)
7         .collect(Collectors.toList());
8 }
9
10
11
```

Analysis findings (12)Output logImport history

Overly nested conditionals — 3 levels deep

Each guard clause can be flattened into a single stream filter.

Use streams

Lines 6–10

Index-based for loop — index is never used

A for-each or stream pipeline is cleaner and less error-prone.

Use streams

Line 4

Null check on User should use Objects.nonNull

Makes intent explicit and chainable in a stream.

Optional

Line 6

Intermediate variable result only used to collect and return

Line 3

ReadyJavaParser 4.12

MyService.java — 15 lines