Quality Assessment of Test Suites of Architectural Smelly Components

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Abstract—The abstract goes here.

Index Terms—Computer Society, IEEE, IEEEtran, journal, LaTeX, paper, template.

1 Introduction

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2 Related Work

3 Empirical Study Design

The *goal* of the study is to perform an historical analysis of the test-suites related to components affected by architectural smellsin open-source systems, with the *purpose* of assessing whether the quality of these test suites decreases when architectural smellsare introduced. Moreover, the study aims to asses how the fault proneness of the considered components varies when these smells occur. The *perspective* is for both academics and practitioners: while the former ..., the latter are interested in maintaining certain code components.

3.1 Context

The context of our study is made up of architectural smellsand software systems. Among the currently known architectural smells, we decided to put our focus on the following: [LISTA DI SMELLS]. We chose these because they all occur at class level, so we could conduct our study at the same level of granularity. Moreover, Hub-Like Dependencyand Cyclic Dependencyare well-known smells and object of a great number of studies[CITARE KELLY]. However, for the opposite reason, we chose to focus on [RESTANTI SMELLS], since, as explained by [CITARE KELLY], they have never been studied.

4 Results

5 Discussion

6 Conclusion

Acknowledgments

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References

[1] H. Kopka and P. W. Daly, *A Guide to LaTeX*, 3rd ed. Harlow, England: Addison-Wesley, 1999.