

# Refactoring For Software Design Smells Managing Technical Debt

## Refactoring for Software Design Smells: Managing Technical Debt

**"Evolving software inevitably accumulates technical debt, making maintenance increasingly painful and expensive. The authors, based on their extensive experience, categorise the major design problems (smells) that come up in software, and lucidly explain how these can be solved with appropriate refactoring."**

## Refactoring for Software Design Smells | ScienceDirect

**Refactoring for Software Design Smells presents 25 structural design smells, their role in identifying design issues, and potential refactoring solutions. Organized across common areas of software design, each smell is presented with diagrams and examples illustrating the poor design practices and the problems that result, creating a catalog of ...**

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## Refactoring for Software Design Smells

**This book presents a catalog of 25 structural design smells and their correspond-ing refactoring towards managing technical debt. We believe that applying software design principles is the key to developing high-quality software. We have, therefore, organized our smell catalog around four basic design principles. Smells are named**

## **Refactoring for Software Architecture Smells: Potential ... -...**

**4/25/2016 · Empirical studies:** Though there are a few case studies reported on architecture smells or refactoring (such as [Kumar et al. 2011]), there is a lack of empirical studies on architectural smells or refactoring. Such an empirical study on large software systems may reveal many interesting insights about the characteristics of architecture smells ...

## **Design Wise, Be Wise: Refactoring for Software Design Smells:...**

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## **Book Review - "Refactoring for Software Design Smells"**

**4/25/2016 · A short review of our design smells book titled "Refactoring for Software Design Smells: Managing Technical Debt"** has recently appeared on ACM Sigsoft Software Engineering Notes. The review is written by Will Tracz. Some of the important points mentioned in the review are presented below:

## **Code Smells - Refactoring and Design Patterns**

**These smells mean that if you need to change something in one place in your code, you have to make many changes in other places too. Program development becomes much more complicated and expensive as a result.**

## **Resources - Design Smells**

**The document contains the front matter and 2 sample smell descriptions from our "Refactoring for Software Design Smells" book. Presentation: Refactoring for Design Smells - ICSE 2014 Tutorial** In this tutorial, we introduce a comprehensive catalog, classification, and naming scheme for design smells to the participants.

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