



SDSU
presents
a thesis defense for
Master of Science
degree in
Computer Science

Thursday,
October 25, 2012

12:30pm
GMCS 405

Pratibha Atri

Detect Malodorous Software Pattern and Refactor them

Abstract

Code smells are characteristics of the software that may indicate a code or design problem that can make software hard to evolve and maintain. Code smells could possibly indicate a problem in the foundation or architecture of the system. Code smells can be detected and eliminated using refactoring techniques. Refactoring is the process of making changes in existing source code without changing the functional behavior.

In this thesis an attempt is made to identify some of the code smells using software. This thesis report discusses some of the code smells with examples and the technique used to detect them. Further this thesis report also discusses refactoring techniques which could be used to remove these code smells.

Thesis Committee

Carl Eckberg, Thesis Chair, Department of Computer Science
Roger Whitney, Department of Computer Science
Mark Dunster, Department of Mathematics & Statistics

