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Dear Guest Editors,

Please find our submitted paper, "Smell Detection and Refactoring in End-User Programming Languages," for consideration for publication in the IEEE Software Special issue on Refactoring: Accelerating Software Change.

This work represents a synthesis of state-of-the-art smell detection and refactoring research for end-user programming languages. Looking at Microsoft Excel, Yahoo! Pipes, and LabVIEW, this paper synthesizes the common smells and refactorings explored in these domains. It highlights parallels between the object-oriented smells and refactorings defined by Fowler and the end-user programming languages, discusses unique opportunities for refactoring research in these end-user domains, and points toward future, unexplored opportunities in end-user refactoring. The paper also illustrates a high amount of overlap in the smells and refactorings explored in these languages, providing evidence of the pervasiveness of some smells across domains. The contributions of this work are:

- Synthesis and catalog of object-oriented-inspired code smells and refactoring in end-user programs

- Discussion of unique smell detection and refactoring opportunities in the end-user domains

- Identification of future opportunities for smell detection and refactoring in end-user programming domains

Thank you for your time. I look forward to hearing from you in regards to this paper.

Sincerely,

David Hoepelman