

Integration of a Refactoring UI into the Sweble Hub Software

Summary

In programming languages refactorings are a well-established tool that allows developers to consistently apply changes to the codebase. We have brought this technology to wikis, specifically to articles written in wikitext, the markup language behind Wikipedia. The goal of this thesis is to implement a refactoring UI on top of a visual editor that guides authors through the process of applying a refactoring or transformation to the wiki as a whole.

Work Results

- Literature review
 - Review literature in the area of HCI with a focus on refactoring tool support.
 - Review existing solutions (e.g. Eclipse refactoring UI).
- Implementation of the refactoring UI
 - Select three different refactorings.
 - Design workflow for each refactoring.
 - Implement a UI for each workflow on top of visual editor and Swebe Hub web UI.
- Thesis results
 - A comprehensive literature review on refactoring tool support and UIs.
 - A working implementation of three refactoring UIs that can be demoed.
 - An evaluation and discussion of the results.

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