

An Accounting Tool for Inner Source Contributions

Summary

Inner source (IS) is the use of open source development practices within an organization. In inner source, companies open up source code internally so that all employees can see, reuse and contribute changes to it independently of their team. Naturally, managers have an interest in learning which IS components their subordinates contribute to and from whom contributions are coming to their components.

In this thesis, the student will extend a software tool to account for (listing in a journal, aggregating) and visualize (tabular view, sankey diagram) contributions within an organization. The software will be based on an existing object oriented model and implementation composed of Java REST services (Jersey) and a JavaScript client (Angular).

Details

- Methods
 - Software design, implementation with Java and TypeScript
 - Iterative process of joint requirements elicitation
 - Requirements elicitation with a backlog in Gitlab (jointly with supervisor)
 - Releasable version after every merge request
 - Intensive automated unit and module testing
- Work results
 - Tool visualizing and accounting for inner source contributions (rough scope here: <https://goo.gl/bgJbkP>)

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