Vrije Universiteit Brussel

Proposal bachelor thesis

Title: Eclipse Plugin for the LollyScript Language.

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Includes preparation course: No

Context

Recently a new programming language for concurrent programming has been developed at the Software Languages Lab. This language called LollyScript eases the development of concurrent programming languages by means of an advanced type system. In order to use this language there is currently a command line interface. Such a command line interface is not always that easy to work with for novice users. In this bachelor thesis the student will develop an Eclipse plugin for the LollyScript Language. The goal of this thesis is thus to provide extensive tool support for the LollyScript language.

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This proposal consists of the implementation of an Eclipse plugin that needs to support at least the following requirements.

- Needs to be easy to install from an update site hosted by Soft
- Syntax highlighting
- Type error indications
- Package viewer
- Templates and autocompletion (based on the type information)
- A read eval print loop (console window)
- A run button to execute the code

References

[1] IdeAT - AmbientTalk's Eclipse Plugin:
http://code.google.com/p/ambienttalk/wiki/EclipsePlugin

[2] B. Freeman and B. D. Wright. The eclipse debug framework. EclipseCon tutorial, 2005.