

Software Analysis and Comprehension

Project Proposal

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Description:

Common, or global, coupling happens when two modules share the same global data. Therefore, changing the shared resource implies changing all the modules.

The project to be carried out is an implementation of srcML to detect Common Coupling. The programming languages that srcML support are files written in C, C++, C#, and Java. In this project we will use source code written in C#.

Specific technologies to be used:

srcML for Windows (32 bits)
srcML.NET for Visual Studio (ABB.SrcML.VisualStudio.Interfaces 3.1.11.26)
Visual Studio 2015 (Community)
Source Code in C#
Sando for Visual Studio

Major deliverables:

Original source code in C#.
Output in srcML format of the C# code used for analysis.
Final Report describing the work done.