


eclipse  
plugins

# Plugin Inspiration

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Victoria BC  
Feb 2003



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## Overview

- There are currently over 230 Plugins
- Look at several Plugins that have potential for use within GILD
  - Inspiration
  - Direction
  - Learn from their mistakes

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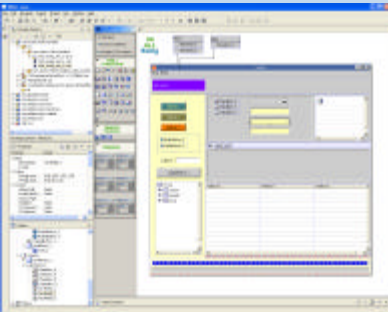
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## Assis Eclipse GUI

- GUI Builder (with SWT)
- 2 months on Eclipse Pluggin List
- Very Active



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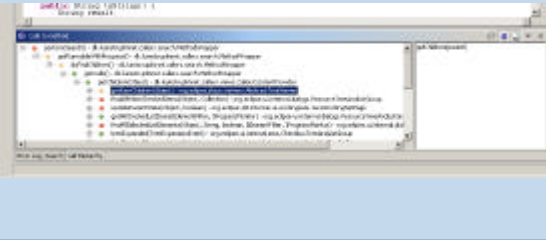
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## Call Hierarchy View

- This plugin features a Call Hierarchy view which can show calls to or from a method in a tree
- About 1 month on plugin list



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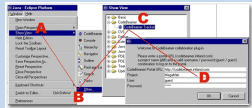
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## CodeBeamer

- Group Management with web interface
- Commercial
- Database/CVS backend
- Look to inspiration
- About 10 months on plugin list



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## EclipseMetrics

- Out of range metrics cause additions to task list
- Supported Metrics
  - McCabe's Cyclomatic Complexity
  - Lack of Cohesion in Methods
  - Number Of Fields
  - Number Of Levels
  - Number Of Parameters
  - Number Of Statements
  - Weighted Methods Per Class

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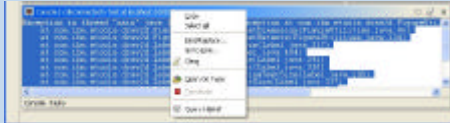
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## Hipikat

- Hipikat **recommends** relevant software development artifacts based on the context in which a developer requests help from Hipikat
- Repository consists of entries in CVS, Bugzilla, Newsgroups/Emails
- 6 months on Eclipse list



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## PMD

- PMD scans Java source code and looks for potential problems like:
  - Unused local variables
  - Empty catch blocks
  - Unused parameters
  - Empty 'if' statements
  - Duplicate import statements
  - Unused private methods
  - Classes which could be Singletons
  - Short/long variable and method names
- About 8 months on the Eclipse list

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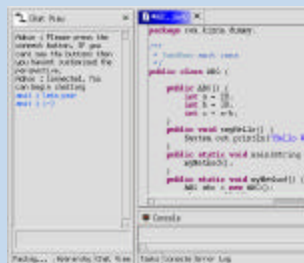
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## Sangam

- Pair programming (remote)
- 6 months on Eclipse list
- 8 months on Eclipse list



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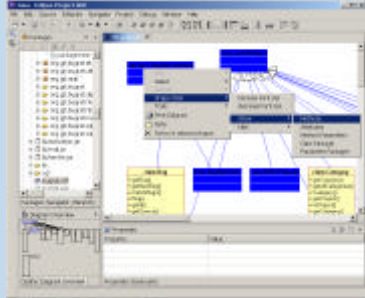
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## SlimeUML

- UML Diagram tool
- Updates as you type
- Commercial
- About 8 months



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## Others

- Annotations
- Code Formatters
- Web development
- Other languages
- and many more ...

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