Welcome

Marama meta-tools
Marama Projects

Marama Meta-tools
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Marama Creation
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Marama Sketch
Marama Differ
SERVE and SHAPE Projects
Summer Student Projects 2008
Possible Student Projects

Example Tools

MaramaMTE
MaramaEML
MaramaDPTool
VCPML
Marama Bootstrap Tool
Marama Examples
Refining
Marama has been end-of-lifed approximately end of 2012. The code base downloadable here is no longer maintained.

Introduction

Marama is a set of tools for building diagramming applications in Eclipse. Marama provides a set of meta-tools to specify complex diagram-based meta-models, shapes and connectors and views. It also supports complex behaviour specification via OCL constraints, visual event handlers and a comprehensive API. Marama aims for very rapid prototyping of multi-view, multi-user diagramming apps with live update and end-user accessible meta-tools. Conceived before Eclipse GMF we hope to eventually support import/export of GMF tool specs, as we did for Pounamu specs.

Marama was originally developed under the auspices of the Domain Specific Software Tools project (DS Tools). The aim of this project was to develop a novel enabling technology that allows software development organisations to much more effectively and efficiently develop Domain-Specific Software Tools. We demonstrated the feasibility of this technology through the development of selected proof-of-concept domain-specific tools in conjunction with industry partners.

Read more on Domain-specific Software Tools - Summary page, including some example publications.
Getting Started with Marama links

Overview paper on Marama
Overview presentation on Marama
Download info (including bug fixes!)
Basic tutorial (building a UML tool)
Flash movie of Basic Tutorial
Detailed tutorial (building MaramaMTE tool)
Bug reporting
Pitfalls and Known Problems

Marama for 450/732 Students

Research Group Management

Meetings History
Global Issue Tracking
SVN Repository for Marama
DS Tools Todos
Discussions with Sofismo
Possible enhancements for summer students to work on
People
ICSE 2008 Research Demonstration

Guidelines

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Discussions
News

Blog Posts

Blog: The end of Marama... created by
John Grundy Marama 31 Mar, 2013

Blog: Christian Hirsch wins HICSS track award created by
John Grundy Marama 19 Jan, 2009

Blog: John Grundy wins ASE2008 Demo prize created by
John Grundy Marama 03 Nov, 2008

Blog: John Hosking wins national award for teaching created by
John Grundy Marama 17 Jul, 2008

Blog: Marama student projects created by
John Grundy Marama 14 Jul, 2008

Recent Changes

Recently Updated

- Meta-tools Documentation
  15 Aug, 2018 • updated by Rafal Szkup • view change

- Requirements for Marama library tool
  15 Aug, 2018 • updated by Rafal Szkup • view change

- Visual query designer
  15 Aug, 2018 • updated by Rafal Szkup • view change

- Meta-tools Documentation
  14 Aug, 2018 • updated by Ranjan Vaidya • view change

- Visual query designer
  14 Aug, 2018 • updated by Ranjan Vaidya • view change

- Requirements for Marama library tool
  14 Aug, 2018 • updated by Ranjan Vaidya • view change

- Overall Architecture.drawio.png
  14 Aug, 2018 • attached by Ranjan Vaidya

- Fig1.drawio.png
  14 Aug, 2018 • attached by Ranjan Vaidya

- Example query view.drawio.png
14 Aug, 2018 • attached by Ranjan Vaidya

- XMLTranslation.drawio.png
14 Aug, 2018 • attached by Ranjan Vaidya

- Generated Class Diagram from query result above.drawio.png
14 Aug, 2018 • attached by Ranjan Vaidya

- ddedgdf.drawio.png
14 Aug, 2018 • attached by Ranjan Vaidya

- FlowChart.drawio.png
14 Aug, 2018 • attached by Ranjan Vaidya

- Plug-in Architecture.drawio.png
14 Aug, 2018 • attached by Ranjan Vaidya

- GEF Architecture.drawio.png
14 Aug, 2018 • attached by Ranjan Vaidya

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