Welcome

Marama met-tools

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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
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Possible enhancements for summer students to work on
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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
- **ddedggdf.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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