Welcome

Marama meta-tools

Marama Projects

Marama Meta-tools
Marama Test
Marama Torua
Marama Tatau
Marama SUddEN
Marama Cre-lation
Marama Critics
Project Themis
Marama Thin-client
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
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**

<table>
<thead>
<tr>
<th>Marama for Students</th>
<th>Instructions on installing Marama on lab machines for 450/732 students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guide to Marama Wiki</td>
<td>Guideline on how to use this Wiki</td>
</tr>
<tr>
<td>Reporting Marama bugs</td>
<td>guide to reporting bugs using Jira</td>
</tr>
<tr>
<td>Unit Testing</td>
<td>how to add tests</td>
</tr>
<tr>
<td>Using Jira</td>
<td>how to report issues like bugs, improvement and documentation ideas</td>
</tr>
<tr>
<td>Using SVN</td>
<td>description of structure, usage</td>
</tr>
<tr>
<td>Using EMF Ecore generation</td>
<td>description of the EMF/Ecore generation within Eclipse</td>
</tr>
<tr>
<td>Marama release process</td>
<td>step-by-step release steps for Marama meta-tools etc</td>
</tr>
<tr>
<td>Building</td>
<td>instructions for building, deploying to download site</td>
</tr>
<tr>
<td>Marama Update Site</td>
<td>instructions for building, deploying to update site</td>
</tr>
<tr>
<td>FAQ</td>
<td>Frequently asked Questions</td>
</tr>
<tr>
<td>Roadmap</td>
<td>Map of Marama Wiki</td>
</tr>
<tr>
<td>Glossary</td>
<td>Explanation of Terms</td>
</tr>
<tr>
<td>Taxonomy</td>
<td></td>
</tr>
<tr>
<td>Development Guidelines</td>
<td>Things you might want to know when developing</td>
</tr>
</tbody>
</table>

---

**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