Telelogic Rhapsody :Getting Started

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Rhapsody for S/W development

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- ReporterPLUS

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Advice

Tool overview(1/7)

Rhapsody

Tool that enables visual design environment

To create requirements and model systems



Tool overview(2/7)

Download

http://www.telelogic.com/Products/rhapsody/evaluation.cfm

| Home Solutions Products | Services Customers Partners Community Company | Telelogic passport | | | |
|----------------------------|---|--|--|--|--|
| Products | Home > Products > Rhapsody > Evaluation | N TRY BUY | | | |
| > Telelogic Focal Point | Telelogic Rhapsody evaluation | 1 Mar 19 Mar | | | |
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| Telelogic DocExpress | Login | | | | |
| Telelogic Modeler | | i contene i | | | |
| > Telelogic Rhapsody | 1. Enter your Telelogic passport information | | | | |
| - Overview | Mandatory items are indicated (*) | | | | |
| - Highlights | * Email | | | | |
| - Specifications | | | | | |
| Telelogic Statemate | Preferred email format I HTML C Plain text | | | | |

Tool overview(3/7)

Getting a license for 30-days

2008-3-17

Submit your own computer information and go on

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| - Overview | folle | OW |
| - Highlights | | |
| - Specifications | | |
| | | |

Tool overview(4/7)

Getting a license for 30-days(cont'd)

You may get it through your e-mail.

| 2. | License for Telelogic Rhapsody |
|----------------------------------|---|
| 메시지 | T932-119556_license.dat (12 KB) |
| ear C | hanhee Yi, |
| hank | you for your interest in Telelogic Rhapsody® Edition. |
| our R omput nstal | hapsody Developer ^m 30-day evaluation license is attached to this email. Save the attached license file on your er as license.dat. During the installation process, you will be prompted to provide a license type. During lation specify "A client license file" and browse to the location of the license file. |
| f you indow > Tel rompt | have already installed Rhapsody Developer and did not install the license file, you can run the license wizard o s by selecting Start -> All Programs -> Telelogic -> Telelogic Lifecycle Solutions Tools -> Telelogic Licensing 1 elogic License Setup. When prompted by the wizard for license type choose "Node Locked License" and follow the s. |
| itart Ihapso | Rhapsody 7.1 Developer Edition on Windows systems by selecting Start > All Programs > Telelogic > Telelogic dy 7.1 > Rhapsody Development Edition > Rhapsody in <language> (where <language> is Ada, C, C++, or Java).</language></language> |
| f you | have any questions during your evaluation, please contact <u>http://www.telelogic.com/contact/sales.cfm</u> . |
| Best r Telelo | egards, gic |
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| | |

Tool overview(5/7)

Starting

Run rhapsody with one chosen language



Tool overview(6/7)

Tool Interface



Tool overview(7/7)

- Tool Interface(cont'd)
 - Filtering the browser display
 - Use-case, component, diagram, …
 - Moving and copying browser items
 - Dragging-and-dropping
 - Ctrl key when copying
- Additional feature
 - Creating backups

Using name conventions





Rhapsody for S/W development(1/7)

Used diagrams

- Partially constructive diagrams
 - Use-case, sequence, collaboration diagrams
- Fully constructive diagrams
 - Object model, component, activity diagrams and statecharts

Creating UML diagrams

 First create Project and then right-click your mouse upon the project you create



Rhapsody for S/W development(2/7)



Rhapsody for S/W development(3/7)

Drawing an Object Model(Class) diagram

You can draw this by doing similarly as the case of the former



Rhapsody for S/W development(4/7)

Drawing a Sequence diagram(or a statechart)

You can draw this by doing similarly as the case of the former



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Software Engineering Lab, KAIST

Rhapsody for S/W development(5/7)

Code generation

- Type of running
 - Whether using provided implementations of design elements or not
 - > Elaborative or Transitive

Functions

- Dynamic model code associativity
- Generation of Makefiles
- Edition of codes with IDE*

*IDE : Integration Development Environment

Building

Compilation of the generated code

Rhapsody for S/W development(6/7)

- Animating diagrams
 - Three target diagrams
 - Sequence, activity diagrams and statecharts
 - Four supported languages
 - C++, C, Java and Ada
 - Shortcut to run animations
 - Press Generate/Make/Run in the tool tab of the menu
 - ✓ Usage
 - GUI testing with the given event generator
 - For fun and so forth…

Rhapsody for S/W development(7/7)

ReporterPLUS

Enable to generate various formal presentations

- HTML page, MS Word, MS PowerPoint
- RTF, text

*RTF : Rich Text Format

Provide standard templates and the way to customize them

| Template Name | Prefferred Output formats | Description | |
|-------------------------------|---------------------------------------|--|--|
| Class.tpl | HTML or Word | Defines the information about the classes in the project | |
| GetStarted.tpl | Word & PowerPoint | Show all diagrams and classes in a model | |
| ProjectReport.tpl | Word | Defines the information about the complete project | |
| Rhapsody HTML Exporter.tpl | HTML only | Same as the above, but in HTML | |
| 2008-3-17 | Software Engineering Lab, KAIST 16/18 | | |

Demo

Scenario

- 1. Starting and loading samples
 - HomeAlarm system
- 2. Animating diagrams
 - Sequence diagram and statecharts
- 3. Documenting using the ReportPLUS
 - Report in a Word format
 - Report as web pages



Advice

About tool usage

- Press "Help -> Welcome Screen" from the menu.
- Then press "Documentation->User Guide"
- After that, you can see very kind 1242 pages
 - Your TA is also a student!!! T-T) (Ref. : he is a member of prof.Bae's Lab.)
- About generating code and animating diagrams
 - In fact, Demo is the one made very carefully
 - Making your project do those correctly may be not easy
 - ➢ But, it's certainly 쫌 멋진듯.. if you do
 - Purpose of using this tool is to model your system "안전한집" with UML diagrams