

README

July 7, 2009

1 JCT README

1.1 Dependence

You need a few utilities in order to generate the documentation, the version are informative only, it should works with any later version and probably some earlier also:

- Apache Ant: <http://ant.apache.org/> [1.7.1]
- Javadoc: <http://java.sun.com/j2se/javadoc/> [the one included with the Sun JDK 1.6.0.12] (usualy included within all JDK distribution)
- UML Graph: <http://www.umlgraph.org/> [5.2]

Download and install each of them.

1.2 Fetching the source code

This file intends to provide an access to the JCT documentation.

JCT is composed of 4 Eclipse projects:

- JCT-Utils
- JCT
- JCT-Impl
- JCT-Tools

You should first download them from the Ptidej SVN, with the names:

- JCT Utils
- JCT
- JCT Impl
- JCT Tools

1.3 Updating the configuration to reflect local filesystem

In the JCT Project, you will find a directory named “rsc”, in which there is this README file, another directory named “doc” and some other miscellaneous files dans directories.

Open the file named rsc/doc/build.xml, on lines 34 to 40, you will find the following tags:

```
<property name="root_dir" value="/home/swoog/docs/boulot/UdeM/Maitrise"/>
<property name="util_dir" value="${root_dir}/JCT-Utills"/>
<property name="interface_dir" value="${root_dir}/JCT"/>
<property name="impl_dir" value="${root_dir}/JCT-Impl"/>
<property name="tools_dir" value="${root_dir}/JCT-Tools"/>
<property name="doc_dir" value="${interface_dir}/doc"/>
<property name="umlgraph_jar" value="/usr/share/UMLGraph/lib/UmlGraph.jar"/>
```

The first line (root_dir) should contains the path to the directory in which you checked out the project from the SVN.

The four following lines (util_dir, interface_dir, impl_dir, tools_dir) should contains the name of the directories in which you checked out each project.

The sixth line (doc_dir) should contains the path to the directory in which you want the documentation to be stored.

The last list (umlgraph_jar) should contains the path to the UMLGraph jar you generated to install UMLGraph.

1.4 Generate and browse the documentation

Once each variable has been set to an adequate value, spawn a new shell in the rsc/doc directory and simply run ant (ant and javadoc need to be in your PATH).

The documentation will be generated, There are five entry points to the Javadoc:

- \${doc_dir}/util/index.html
- \${doc_dir}/jct/util/index.html
- \${doc_dir}/jct/kernel/index.html
- \${doc_dir}/jct/impl/index.html
- \${doc_dir}/jct/tools/index.html

The two main entry points being jct/kernel and jct/impl.

1.5 Online version

There is an online version which may not be up-to-date, you are strongly encourage to generate your own version of the JavaDoc from the source code:

- [util](#)¹
- [jct.util](#)²
- [jct.kernel](#)³
- [jct.impl](#)⁴
- [jct.tools](#)⁵

1.6 Miscellaneous

If there are some more information you need, you still may look at the code or contact directly the author, Mathieu Lemoine, at lemoinem@iro.umontreal.ca

1.7 License

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¹<https://web.soccerlab.polymtl.ca/rptidej/ptidejlab/Software/Ptidej%205%20Workspace/JCT%20Doc/util/index.html>

²<https://web.soccerlab.polymtl.ca/rptidej/ptidejlab/Software/Ptidej%205%20Workspace/JCT%20Doc/jct/util/index.html>

³<https://web.soccerlab.polymtl.ca/rptidej/ptidejlab/Software/Ptidej%205%20Workspace/JCT%20Doc/jct/kernel/index.html>

⁴<https://web.soccerlab.polymtl.ca/rptidej/ptidejlab/Software/Ptidej%205%20Workspace/JCT%20Doc/jct/impl/index.html>

⁵<https://web.soccerlab.polymtl.ca/rptidej/ptidejlab/Software/Ptidej%205%20Workspace/JCT%20Doc/jct/tools/index.html>

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