

CSCE 747 Software Testing and Quality Assurance

Tools 09 – Open Source Tools:

- UML,
- continuous Integration

10/5/2013

<http://apps.open-libraries.com/best-open-source-uml-tools/>

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Best Open Source UML tools

7 nov 2009

There were days when UML tools were expensive and only few commercial ones were available. But, now the market is flooded with several commercial and opensource uml tools. While choice is good, but too much choice is also bad. It has become difficult to evaluate and select the best one.

In this article I present my handpicked collection of best open source UML tools.

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Continuous Integration

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Continuous Integration is one of the most reliable processes in the software industry. Continuous Integration tools help keep track of the messy software development process with great ease. This process is no longer restricted to huge enterprises and establishments, thanks to the different open source Continuous Integration tools available. Here is a summary of the pros and cons of the various opensource Continuous Integration tools that will be a prospective choice for

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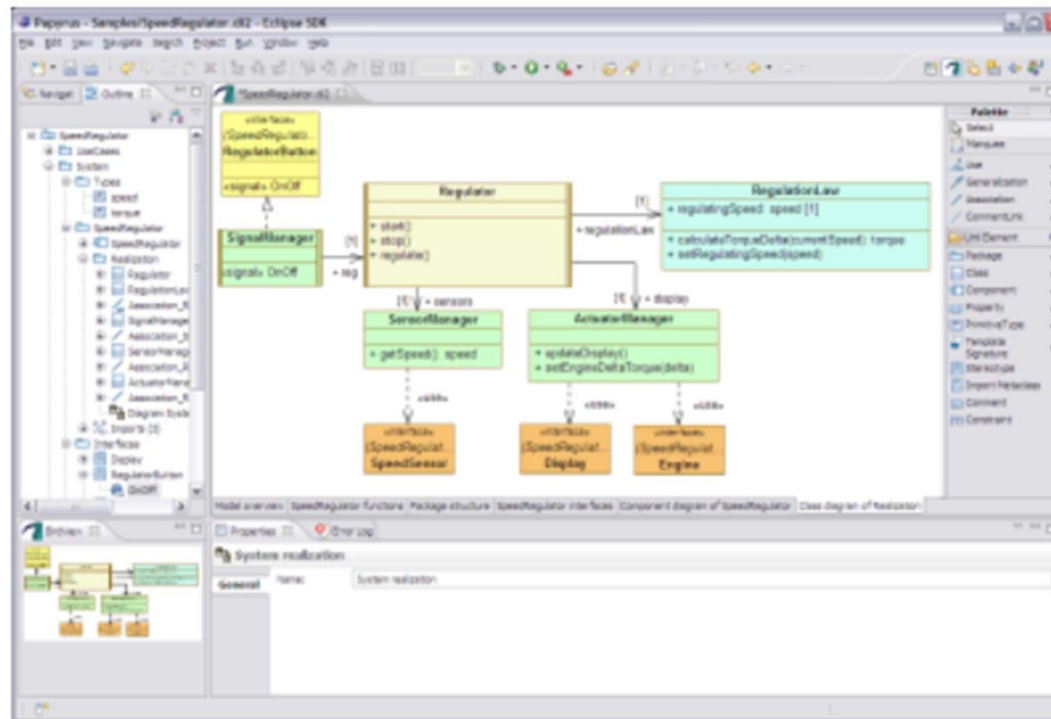
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Papyrus UML

- Papyrus is a dedicated tool for modelling within UML2. This open source tool is based on the Eclipse environment



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About Papyrus

Papyrus is aiming at providing an integrated and user-consumable environment for editing any kind of EMF model and particularly supporting UML and related modeling languages such as SysML and MARTE. Papyrus provides diagram editors for EMF-based modeling languages amongst them UML 2 and SysML and the glue required for integrating these editors (GMF-based or not) with other MBD and MDSD tools.

Papyrus also offers a very advanced support of UML profiles that enables users to define editors for DSLs based on the UML 2 standard. The main feature of Papyrus regarding this latter point is a set of very powerful customization mechanisms which can be leveraged to create user-defined Papyrus perspectives and give it the same look and feel as a "pure" DSL editor.

