

SINF22 Master Thesis

A Study Program Verifier

Based On Petri Nets

Errata

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1) Corrections

- Page 34 of the thesis report, on figure 12 and 13, read COTRANSITION_course1 and COOK_course1 respectively in place of COTRANSITION_course2 and COOK_course2.

2) Additional references

- Add the following comment at the beginning of the bibliography:

This bibliography essentially consists of Internet sources, reflecting links to technical documentations used to build the application. For this kind of information, the Internet seemed the most accurate source, as it is always kept up to date with respect to the new specifications and solutions that arise.

- At the end of the bibliography, add the following references:

Petri Nets:

[33] C. Cassandras and S. Lafortune. Introduction to Discrete Event Systems (Chapter 4: Petri Nets). Kluwer, 1999.

[34] T. Murata. Petri Nets: Properties, Analysis and Applications. Proceedings of IEEE 77(4), 1989.

[35] W. Reisig. Petri Nets: an Introduction. EATCS Monographs on Computer Science vol. 4. Springer, 1982.

[36] UCL's « Concurrent Systems » course (LINGI2143), by Mr. Charles Pecheur.

- After the bibliography, add the following paragraphs:

State of the art

Study program verification tools appear to be a quite new field of research; hence, it is not possible to give any hint on the “state of the art” in this domain. As a consequence, same goes for the Petri Nets modelling of a study program and the constraints applying on it.

Petri Nets are tools that have been available for long. Their use verification tasks is not new, as explained in the following paper:

[37] T. Agerwala (1979). Special feature: Putting petri nets to work. Computer, (12), 85-94.

Related works

One of last year's master theses treats the way study programs management can be automatized. It could be used together with the application we presented here.

[38] X. Crochet (2014). Automatisation de la gestion des programmes de cours. UCL. Advisors : K. Mens, C. Poncin.

For secondary schools in Belgium, an online tool to managed grades delivery has been available for some years now, and is more and more used. It could be used together with our application.

[39] <http://www.bulletinscolaire.be/bienvenue>

For universities management, a generic platform is available at the following link. Using it together with our application could also be a good idea.

[40] <http://www.universityerp.com/index.html>