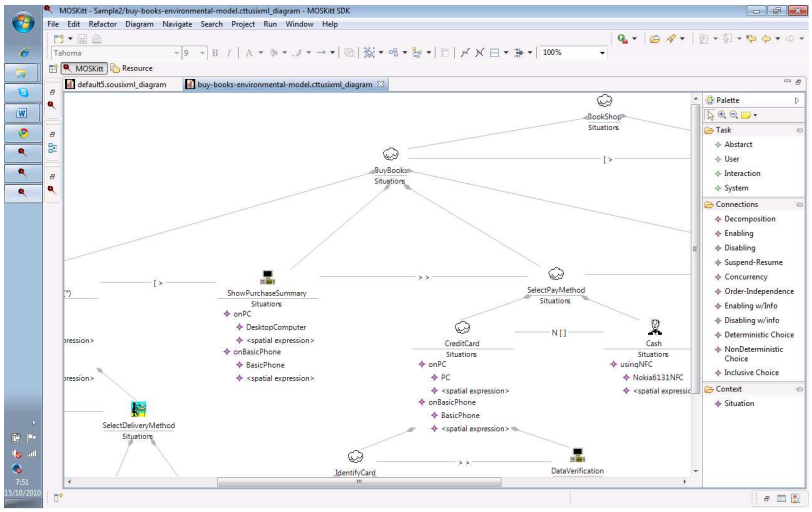
The Task Model Editor

Editor for specifying User Interfaces at UsiXML task level

The goal of the Task Model Editor is the creation, edition and validation of context-aware task models. In order to define the situations affecting tasks, the Task Model Editor gathers context information from a Context Model that is defined using the Context Model Editor. Thus, the same context model can be reused in different task models.
The Task Model Editor was developed as an Eclipse Plug-in taking advantage of the Eclipse Modelling Framework (EMF) and the Graphical Modelling Framework (GMF). The Task Model Editor defines a set of model constraints using the Object Constraint Language (OCL) to validate the consistency of the models to be created. The distribution of Eclipse development environment was the Moskitt.



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Features

To describe the task model of an application, we use the Task Model Editor. It allows the definition of tasks and the temporal relationships among them, according to situations defined by the context model. Situations are defined in terms of two different types of expressions: the task expressions, and the space expressions. While the task expressions define the temporal relationships among tasks according to the task situation; the space expressions

Inputs

The Task Model Editor requires a valid context model to create context-aware task models. The context model should conform to the context meta-model specification and must be expressed using the XMI (XML Metadata Interchange) format. The context model should be created using the Context Model Editor.

Outputs

A context-aware task model that conforms to the Task meta-model specification expressed in (XML Metadata Interchange) format.

Planned version of the tools

- 2011 - The second version will provide situation-aware temporal relationships among tasks (TRL : XX).
- 2012 - The final version will provide task and space expression validation (TRL : XX)

Authors

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This Tool, Product or Service is or has been developped fully or partially in the frame of the UsiXML project. UsiXML is an ITEA 2 project. ITEA 2 is the Eureka project #3674.