Abstract

In software development environments there is a big interest to look and develop techniques that could integrate transactional systems with Workflow systems in order to support the business processes in organizations. Nevertheless, in the software industry it is not common to find techniques or practices that facilitate the development of system models according to the business processes. In this article we define a development pattern to standardize the interaction between UML 2.0 activity diagrams, which represent the operations of a system, and the business processes automated by means of Workflow technologies. The traceability of the above mentioned interaction is supported by means of traceability models that control the evolution of both operations of the business and of the system. To show the application of the pattern a case study is developed.

Keywords

Business process modeling, workflow systems, model transformation, traceability, activity diagram, software development process, UML 2.0.