

Abstract

This report describes and evaluates an application development framework called DOI, which is used for building document-oriented applications. A document-oriented application is an application where the user interface promotes a workflow that is tightly coupled to the business objects, instead of for example the functionality (as is the case in function-oriented applications).

The report provides a brief description of the underlying technologies, Java and Enterprise JavaBeans, followed by a description of the DOI framework. This entails technical descriptions as well as a more general overview of the framework and associated tools. There is also a more detailed description of how to create an application provided in an appendix.

In the evaluation phase we consider the following attributes: usability, extensibility, code quality and developing time. After taking into consideration how the different parts of the framework affect these attributes we conclude that DOI is a usable and extensible framework, which should contribute a great deal in the development process for applications belonging to the domain of applications targeted by the framework.