Model Driven Development of Composite Content Applications

KocSistem Information Communication Services Inc. and Unit Information Technologies Research, Development and Automation Systems Co.’s bilateral industrial research and development project supported by the Scientific and Technological Research Council of Turkey (TUBITAK) Technology and Innovation Funding Programs Directorate (TEYDEB) under grant no: 3110712

Abstract

This project aimed at the development of a platform specific metamodel (PSMM) which can be used for the construction of the composite content applications (CCA) by taking into consideration different modeling viewpoints. Generated PSMM conforms to the specifications of Microsoft Sharepoint which is one of the popular software platforms for CCAs in various industries. Based on the PSMM, a complete integrated development environment (IDE) was developed in which CCAs can be visually modeled and automatic generation of the software codes can be realized by using system models according to the model driven development principles. Usability of the IDE features was evaluated and optimized as the result of a real industrial case study.

Start Date: September 1, 2012

End Date: January 1, 2014

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