

# Model Driven Development of Composite Content Applications

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## 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.

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## Project Team:

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## Related Publications:

1. Challenger, M., Erata, F., Onat, M., Gezgen, H. and Kardas, G. (2016) "[A Model-driven Engineering Technique for Developing Composite Content Applications](#)", In proceedings of the 5th Symposium on Languages, Applications and Technologies (SLATE 2016), Track on Human-Computer Languages, June 20-21, 2016, Maribor, Slovenia, OpenAccess Series in Informatics, vol. 51, pp. 11:1-11:10, DOI: 10.4230/OASIS.SLATE.2016.11.

2. Erata, F., Challenger, M., Gezgin, S., Demirbas, A., Onat, M. and Kardas, G. (2014) "[\*A Methodology for Supporting the Synchronization between Capability Models and Metamodels in Software Product Lines\*](#)", In proceedings of the 8th Turkish National Software Engineering Symposium (UYMS 2014), September 8-10, 2014, Guzelyurt, Northern Cyprus, CEUR Workshop Proceedings, vol. 1221, pp. 2-13 (in Turkish).

**More Info:** <http://www.mdd4cca.com/>