

MOMENT Case

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MOMENT Case is a modeling framework that provides support for the UML2 metamodel and a relational metamodel. This prototype provides the following features:

- UML2 modeling facilities, reused from the UML2 Tools Project.
- Graphical support for defining relational schemas of a given relational metamodel. An screenshot of this graphical editor is provided in Fig. 1.
- Automated generation of a relational schema from a UML class diagram. MOMENT Case provides facilities to add persistence information to a UML class diagram, indicating what elements in a class diagram will be persisted in a relational schema by means of the transformation process. This automated generation process is based on a model transformation that uses the MOMENT-QVT engine.
- Support for traceability, indicating what objects of the resulting relational schema have been generated from the objects of the source class diagram.
- Documentation generation from the different model definitions that may be defined in the tool: UML class diagrams, relational schemas, and traceability model definitions.
- Generation of a script in standard SQL to create the relational schema that corresponds to a model definition of the relational metamodel.

Fig. 1. Graphical editor of the relational metamodel.

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