

A tool for conceptual modelling of multi-model data

Abstract

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8 May 2023

The aim of the bachelor's thesis is to create a tool that supports modeling in the UML and the newly created categorical model (CAT), as well as translation from UML model to CAT model. Thesis contains basic description of UML and CAT, research of popular tools for modeling, programming and user documentation. The appendices contains tests, design pattern and sequence diagrams of selected methods. The outcome of the thesis is functional, user friendly tool available on the Windows operating system. The advantages of the tool are for example possibility to change graphic properties of objects, save and load file in JSON format or open multiple canvases in one tool window.