

I. IDENTIFICATION DATA

Thesis title:	A CRUD extension to a path-based testing algorithm
Author's name:	Valeria Chekanova
Type of thesis :	master
Faculty/Institute:	Faculty of Electrical Engineering (FEE)
Department:	Department of Computer Science
Thesis reviewer:	Ing. Karel Frajták, PhD.
Reviewer's department:	System Testing IntelLigent Lab (13144)

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	ordinarily challenging
The assignment was ordinarily challenging.	

Fulfilment of assignment	fulfilled with major objections
The result of the work is an algorithm that outputs only feasible scenarios eliminating infeasible ones. It does so by specifying a constraint which in this case is a structural constraint – i.e. an edge can only be included in the scenario when another edge is already present (or absent). This type of constraints does not apply to the data manipulated in the scenario. While structural constraints can be used in some scenarios, it limits the usage application of the algorithm in more complicated scenarios that include cycles. The discussion of OCL is therefore unnecessary.	

Activity and independence when creating final thesis	A - excellent.
The student was actively prepared for consultations and was able to work independently.	

Technical level	A - excellent.
The student has clearly explained what she has done. The student employed expertise in her field of study.	

Formal level and language level, scope of thesis	A - excellent.
The thesis is sufficiently extensive. The language is clear, the English is satisfactory.	

Selection of sources, citation correctness	A - excellent.
Selection of sources is adequate; the citations meet the standards.	

Additional commentary and evaluation (optional)
The advantages of the proposed algorithm were demonstrated on a small subset of an e-commerce application model. The results were compared with output from the Oxygen tool which lacks this support. The focus on the structural nature of constraints is the main issue I have with the solution.

III. OVERALL EVALUATION, QUESTIONS FOR THE PRESENTATION AND DEFENSE OF THE THESIS, SUGGESTED GRADE

I don't have any other comments apart from those mentioned above.

Question for student: How would you extend the algorithm, so it is not limited to use only structural constraints?

The grade that I award for the thesis is **C - good**.

Date: **13.6.2024**

Signature: