REPUBLIC OF MACEDONIA
Ss. Cyril and Methodius University in Skopje
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Final project proposal

Type	Master
Title	*Evaluation of different visualization techniques for hierarchical data using a reference data set*
Supervisor	Prof. dr. Suzana Loshkovska
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Department / Group	
Software Engineering	
Topic(s)	
Visualization	
Project can start from	01.04.2014 – 01.03.2015
Project duration	4 months
Short description	

Several different techniques are developed for visualization of hierarchical data sets. They range from simple representation with hierarchical trees to novel ideas employing visual metaphors and even clustering techniques to support the user in exploring large-scale data sets. The diversity of the developed techniques has increased the need of their usability and efficiency evaluation.

The aim of the work is to give a detailed overview of possibilities of visualization techniques for hierarchical data. The overview includes description of the techniques, their possibilities and problems. The student should also define evaluation parameters. To compare possibilities of the techniques a reference data set will be used. The practical work of the project considers implementation of the techniques and their application to reference data set. Then, obtained visualizations will be evaluated according to previously defined usability and efficiency parameters.

Results and assessment

The result of the project is written report, presentation and developed prototype system for evaluation of techniques.

Other (additional) information