Toolkits to support dynamic social network visualization

Information visualization deals with the information presentation through interactive or animated digital images, so that users can explore data better. The complexity of graph-based social network can be well and clear presented via visualization.

This diploma/master thesis aims at designing and implementing a set of tools to support social network visualization in a dynamic way. The dynamic aspect refers to the contextualized information such as spatial, temporal as well as personalized and preferred information by users. The toolkit enables users’ interaction in the visualization process. A visualization language will be extended or defined in XML according to the state-of-the-art visualization languages. The social network in IST ProLearn Media Base will be used to evaluate the toolkit.

The diploma candidate should have knowledge on Java and XML technologies like XML Schema, XSLT etc.

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