

SSAD Project Synopsis

Project details:

Ontology Visualizer

Project number 19

Team details:

Team number 15

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Objective:

The project aims at developing a visualization tool to deal with graphs. The tool is required to be very flexible so that it can be deployed easily and can be easily changed further to cater the needs the needs of the clients.

The idea is to provide user with a platform where he can easily add and delete edges and node on a graph. The visualizer should represent the graph in a user-friendly way such that it can be visualized easily. It should also give user a way to define certain rules such that the graph is changed according to that rules. Rules may involve to insert or delete a new node in between a cycle or to replace a subgraph with some other subgraph and so on. The tool should also provide the user with a option to collapse a subgraph into a single node and then to expand it later on without changing its connections. The tool also needs to handle conditions such as what happens when the graph becomes very large or if the user defines a ambiguous rule and so on.