Details

Regarding the issue of roles of GUI components and their interconnectedness; each node will represent a different paper, dataset, or library. Connections between different nodes will be represented by rods and rods imply different kinds of relations between nodes. Possible relations between nodes that are possible are listed below.

Also, a node is a complete entity with a set of properties that are listed below.

1. Nodes

* Paper (Title representation of the paper)
  + Title
  + Year
  + ID
  + ID type
  + Keywords
  + Abstract
  + Targets
  + Problems
  + Summaries
  + Components
  + Application domains
  + Highlights
  + Contributions
  + Pros
  + Cons
  + Future Work
  + Evaluation metrics
  + Readers
  + Link of papers
  + Authors
  + Constraints
  + Notes
  + Comments
* Dataset
  + ID
  + Detail
    - ID
    - Name of the Dataset
    - Additional info
    - Size info
      * type(String)
      * size(String)
* Library
  + ID
  + Name
  + Link

1. Relations

* Paper -- hasDataset → Dataset
  + preprocessings
* Paper -- hasLibrary→ Library
* Paper -- relatedWith→ Paper