tree\_of\_knowledge.html

* only “graph” template in the body
* includes all titles, buttons, MathJax call and graphSVG in a div “canvas”

tree\_of\_knowledge.js

* graph loading, re-loading, creating, deleting, etc. functionality
* different graphs are all stored in one DB on the server, with each link/node having a field “graph” that identifies which graph it belongs to.
* Current graph is stored in a Session var
* creates “notify” global function for red in-page notifications
* publishes server DB

tree\_of\_knowledge.css

dbServer.js

tok.js

* nodeData and linkData – array containing all the data for links and nodes [returned or set by force.nodes() ]
* node and link – d3 selections of all nodes and links in the graph
  + the datum of these d3 objects is linked by reference to nodeData and linkData arrays
* use existence of field “source” of linkData to identify it as a link vs. a node
* tick: each time-step, update date
  + define soft-max orienting forces for oriented links
  + define a gravity force independent of charge
  + position all points along the links (3 pts)
  + position each node “group” (tooltip positioning separate) – derivation triangles (need to orient) and other sparately
* redraw: create a visualization from the data
  + set link strengths and node charges and other visual attribudes (position, line type, etc)

tok.css

* Tooltip structure (outer and inner boxes)

gui.js

* All functions for gui operations – keydown, mousedown, etc.
* gui.selected – data array for the selected node (linked by reference)
* showEditor

popups.html

popups.js

* Create and manage editing and display popups
* Update DB based on changes

popups.css