GUI_LinkSelect – Link Select

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SCOPE

Links in HRE refer to the connections between two nodes in the network. For example, a Citation is a link from another object to the Source object that is being cited. This GUI module displays in a tabular display all objects of the HRE same type of link, that is, all links between the same pair of object types, for example, between Persons and Events to list all Event Person Associates. It allows selection of a link and can open a screen to show the details of that link. Initially, this GUI_LinkSelect screen lists all links of that type related to the current project. Later in the development, once Filters are implemented, a filter may be used to reduce the number of links that are displayed. Apart from link names, Flags and Notepads (when implemented) the GUI_LinkSelect will not display data that belongs to the object types at the ends of the link apart from their HRE_ID, type and name (if they have one). Hence the available fields for a GUI_LinkSelect display are limited and dependent on the link type. Other types of display that are link type specific are added for more focussed displays.

LOOK AND FEEL

The screen has 3 sections:

- Heading section:
  - The link type being selected
  - A collection of command buttons
    - "Configure" to access the configuration alternatives for this screen
    - "Output" to open a screen that will output the contents of the Links List as a file or print it. Later, when Subsets are implemented, the rows of tabular screens will each have a checkbox, that will select marked rows for printing, deletion or to create a subset of their HRE-IDs.
- Selected Link section:
  - This has several text data fields:
    - Link HRE-ID_(read only)
    - Link Name (editable text field, if it has one)
    - Link Description (if it has one)
    - Object1 HRE-ID (read-only), Type (read-only)
    - Object 1 Name – if it has one (read-only)
    - Object 2 HRE-ID (read-only), Type (read-only)
    - Object 2 Object 2 Name – if it has one (read-only).
  - At its bottom, a collection of action command buttons:
    - "Accept" creates the new Link and will automatically open the GUI_LinkEdit screen
    - "Ignore" does not create the new Link.
- Links List section:
  - At its top, a collection of command buttons:
    - "Add New" creates an empty Link with a unique name in the Selected Link section
    - "Add Clone" copies the selected Link with a unique name in the Selected Link section
    - "Edit" opens the GUI_LinkEdit screen to edit the selected Name Style. This includes Renaming
    - "Delete" opens the GUI_LinkDelete screen to delete the selected Link.
  - A scrollable resizable tabular display with one row per Link

- o The choice of displayed fields and their format and order is specified in the screen opened by the "Configure" button. Here previously saved configurations can be selected or a new configuration created
- o Clicking on a row of the table selects that Entity
- o Double-clicking on a row of the table open the GUI_EntityEdit screen on that selected definition
- o Initially, there will be an ability to sort the rows on one column, but later that feature will be extended to allow sorting on several columns at once.

[Needs a mockup diagram here]

USED BY: Links that have Select menu entries
Almost any data type or link type whether they are project-oriented or application-oriented has a GUI-LinkSelect variant. Because these are GUI elements that create events which must be directed to the single place where each is acted upon, each of these GUI screens must have unique identities. This means that the basic screen layout can be defined as an abstract class where each separate real class contains the object type specific code when listening for events.

METHODS
The fundamental operations are:
1. Open the Frame according to its saved Frame Layout (BR_PANEL)
2. Populate the tabular display with values for the focus type
3. Select an object by clicking on a row
4. Right-clicking shows a menu with entries of Select, Add New, Add Clone, Edit and Delete
5. "Output" will save the table as a file or print it.

USED BY
1. Nothing else.

AUXILIARY DATA USED
1. No direct access to databases.

REQUIRED SERVICES
1. GUI_PanelConfig
2. GUI_LinkEdit
3. GUI_Output
4. BR_Settting
5. BR_PanelConfig
6. BR_EntityLink.