

BR_GuiElement – GUI Element Services

Revision history

2017-03-26	Robin Lamacraft	Original draft
2018-04-03	John Lucas	Added BR_Notification entries
2018-06-18	Rod Thompson	Revise REQUIRED SERVICES – Dependencies Replace BR_Notification with BR_MessagePatterns

SCOPE

This module must be used to operate with GUI Elements. It provides services to create, edit, retrieve and delete the properties of the HRE GUI. These services manage the connection between the GUI and the associated configuration of the GUI Elements, such as, Help, the Field Format, Field Encoding properties, the Data Validation and Storage. NOTE: All actions below must be aware of the GUI-Language, the User Data Entry Language and the Report Language.

ACTIONS

On request:

1. For each instantiation of a GUI Element, check the GUI Element Dictionary database whether this GUI Element, by parent, by type and by local key exist in the GUI Element Dictionary database:
 - a. If in the database, return its persistent unique GUI-Element ID
 - b. If not in the database, create a new_persistent unique GUI-Element ID and return its value.
2. For a specified GUI Element ID, return its current size
3. For a specified GUI Element ID, return its current data settings.

Continuously listen for:

1. GUI size changes by GUI element ID and maintain the database for its size values:
 - a. Minimum size
 - b. Preferred Size
 - c. Current Size.
2. GUI property changes and maintain the database for its data settings:
 - a. Field Format
 - b. Field Encoding
 - c. Field Substitution Library
 - d. Recent Use database.

USED BY

1. Any GUI screen.

DATA CONTROLLED BY THIS MODULE:

Contents of database tables 301-307.

REQUIRED DATA CONTROLLED BY OTHER MODULES:

1. HRE_ID.

REQUIRED SERVICES – Dependencies

First-Order Dependencies	Second-Order Dependencies	Higher-Order Dependencies
07.01 BR_EncodedString	NIL	
07.02 BR_EntityLink	Needed	
BR_FieldTranslation		

First-Order Dependencies	Second-Order Dependencies	Higher-Order Dependencies
07.16 BR_MessagePattern	07.02 BR_EntityLink	Needed
	07.01 BR_EncodedString	NIL
	Call Stack	
	07.24 BR_Setting	BR_AppData
		BR_UserData
		BR_Entity Link
	GUI Translation	

WARNING CONDITIONS

1. Need details of the condition that raised the warning, example message and possible next steps. (Use BR_MessagePatterns to alert user)

ERROR CONDITIONS

1. Need to record the condition that raised the error, example message and possible next steps. (Use BR_MessagePatterns to alert user)