BR_GuiElement – GUI Element Services

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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. <u>For each instantiation</u> 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. <u>If in the database,</u> return its persistent unique GUI-Element ID
    b. <u>If not in the database</u>, create a new persistent unique GUI-Element ID and return its value.
2. <u>For a specified GUI Element ID</u>, return its current size
3. <u>For a specified GUI Element ID</u> ,return its current data settings.

Continuously listen for:

1. <u>GUI size changes</u> by GUI element ID and maintain the database for its size values:
    a. Minimum size
    b. Preferred Size
    c. Current Size.
2. <u>GUI property changes</u> 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:

1. GuiElement DBT
2. GuiElementSize DBT
3. GuiElementSettings DBT.

REQUIRED DATA CONTROLLED BY OTHER MODULES:

1. HRE_ID.

REQUIRED SERVICES

1. BR_EncodedString
2. BR_EntityLink
3. BR_FieldTranslation.

WARNING CONDITIONS

1. Need details of the condition that raised the warning, example message and possible next steps.

ERROR CONDITIONS

1. Need to record the condition that raised the error, example message and possible next steps.