

BR_NAME STYLE – Name Style Services

Robin Lamacraft 2017-03-26

SCOPE

This module must be used to operate with names of Node Entity types whose names are controlled by Name Styles. Name Styles are usually associated with object names (and other data) where there is a need to enter more than one field (a Name Element) to then later present several forms of that name. An object can by default have one Name Element form of Name Style. In TMG Name Styles are associated with Person, Location and Source names. In HRE other data objects may have names controlled by Name Styles, including Events, Tasks and Images, etc. A Name Style can have several selectable Name Output Formats as Encoded Strings. These control the composition of different string forms of an object name. They achieve this by selecting Name Elements in different sequences and by interspersing other text between the substituted values. There can be many Name Styles defined for the name of an object. Additionally a Name Style Input Sequence controls the order of presentation of fields on the GUI for entering the Name Elements for a particular Name Style. The Output Templates can include conditional sections.

ACTIONS

On request with respect to specified Node Entity type:

1. Create and save a new Name Style including its input-ordered Name Element list and set of Name Output Templates:
 - a. Each Name Element Definition to include:
 - i. Element Name
 - ii. Element Data Type (integer, decimal number, string)
 - iii. Element Encoding (none, date, hinted, etc)
 - iv. Element Bounds (if number or date)
 - v. Element Validation ID
 - vi. Element Storage ID.
 - b. Each Name Style must have at least one “Default” Name Output Template which is used if the requested Name Output Template does not exist
 - c. The list of Name Output Templates depends on the Node Entity type that is the focus of the Name Style Definition, e.g. there will be a different list for Persons, Locations, Sources, etc.
2. View, Edit or Delete:
 - a. The Name Style labelling and description, and for deleting check that no name data uses that Name Style
 - b. The Name Style Input Sequence order, formatting and validation
 - c. The list of Name Output Templates while checking the syntax of each template for symbols and appropriate variable references.

On request with respect to the Name Element Entry of specified Node Entity type:

1. Apply the defined checks to each Name Element entry value
2. Provide Name completion:
 - a. For this Name Element
 - b. For Name elements to the right of the initial element entered
 - c. For Name elements to the left of the initial element entered.

On request with respect to a Name of specified Node Entity type:

1. Retrieve specified Name Elements
2. Evaluate the selected Name Output Template and return the result as a string.

USED BY

1. Any GUI screen that operates on or with a Name Style for an object including the retrieval of individual names in different output sequences.

AUXILARY DATA USED

1. Name Style Definition database for the object type in focus.

REQUIRED SERVICES

1. BR_EncodedString
2. BR_EntityLink
3. BR_FieldTranslation
4. BR_Substitution.

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.