GUI – CONFIGURE SIZE & LOCATION for Multi-Column List Patterns

Revision history

2018-05-14	Robin Lamacraft	Original draft
2018-05-15	Rod Thompson	Inserted graphic, actions
2018-05-23	Rod Thompson	New graphic, add Event Actions
2018-07-10	Rod Thompson	Add SCOPE Add REQUIRED SERVICES – Dependencies Add PROCESS FLOW CHART Revise Warning Message Add USE CASES
2018-07-15	Rod Thompson	Add detail under mockup graphic Amend ACTIONS
2018-09-21	Rod Thompson	Amend Title (include Location) Add to SCOPE Add WINDOWS INTERATION MAP Add Issues Update USE CASE Add TESTING

SCOPE

This GUI module is called only from the GUI Select Configuration window. Its purpose is to allow the user to change the size and location of the target window.

In a 'new project creation', it is expected that the process of 'configuration' of each window will occur immediately following the creation of the Viewpoint.

This module allows the User to define the SIZE and LOCATION of a selected window (created in the Viewpoint process). The data is saved in the Window Configuration. The module may be used at any time thereafter to amend the Size and Location. The drag and drop processes familiar to MS Windows users may alternatively be used for the same purpose.

Other modules in the GUI_Configuration set provide configuration for the Focus, Columns, Rows and Output. All are used to fully configure a DATA Window.

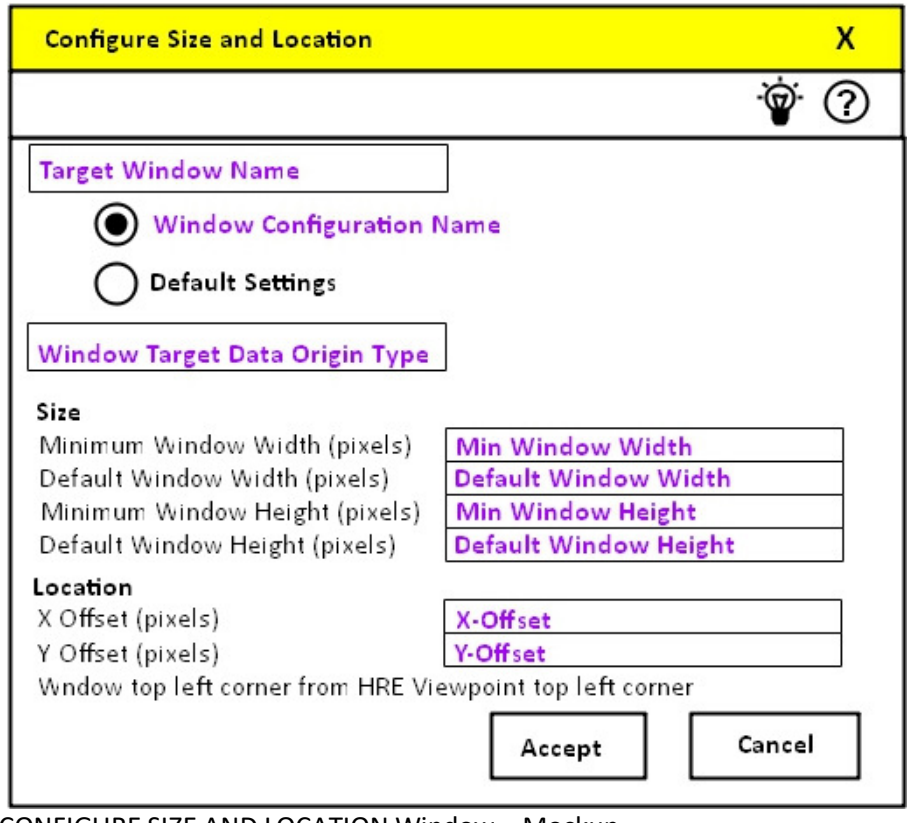
Issues:

1) Why display the Window Target Data Origin Type?
   Appears to be no real benefit in determining size and location of the window

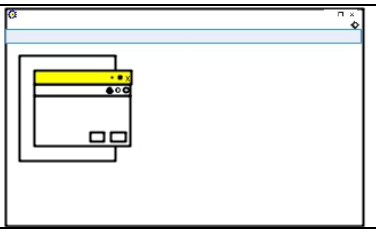
CONFIGURATION SETTINGS – CONFIGURE SIZE

GUI ELEMENT USE	ELEMENT TYPE	DESCRIPTION
TOP BAR	HEADING TEXT	blank or translation of "Configure Size and Location"
TOP BAR	RIGHT BUTTON	Only a "X" to "Close" the window; equivalent of "Cancel"
LABEL	FIXED PLAIN TEXT	<Target Window Name>
CHOICE 1	RADIO BUTTON	<Window Configuration Name> Also set on opening
CHOICE 2	RADIO BUTTON	"Default Settings" – rarely used

GUI ELEMENT USE	ELEMENT TYPE	DESCRIPTION
LABEL	FIXED PLAIN TEXT	"Window Target Data Origin Type" e.g. "Person Events Properties" –provided from the display window definition
LABEL	FIXED PLAIN TEXT	"Minimum Window Width (pixels)"
MIN WINDOW WIDTH	PLAIN POSITIVE INTEGER VALUE	If empty then use default
LABEL	FIXED PLAIN TEXT	"Default Window Width (pixels)"
DEFAULT WINDOW WIDTH	PLAIN POSITIVE INTEGER VALUE	If empty then use default
LABEL	FIXED PLAIN TEXT	"Minimum Window Height (pixels)"
MIN WINDOW HEIGHT	PLAIN POSITIVE INTEGER VALUE	If empty then use default
LABEL	FIXED PLAIN TEXT	"Default Window Height (pixels)"
DEFAULT WINDOW HEIGHT	PLAIN POSITIVE INTEGER VALUE	If empty then use default
COMMAND 1	BUTTON	"Accept" button – accepts edits and closes the window returning the window that made the request
COMMAND 2	BUTTON	"Cancel" button – ignore edits, but if there have been some edits made, then the user will be warned that those edits will be lost, then close the window before returning to the window that made the request



CONFIGURE SIZE AND LOCATION Window – Mockup

Shape, Size, Color, Layout etc. determined in design. On screen location Always inherited from the calling window 150 pixels down and to the right of the left-hand top corner of the calling window. Not User changeable	

ACTIONS

The fundamental operations are:

1. Open the window according to its saved window Layout (BR_WindowConfig)
2. Display the configuration states and settings applicable to each
3. Allow the user to edit the window size settings
   Changes made by the User to the selected configuration properties should be actioned in the display of the calling widow immediately after the property is changed (with an Enter key after input of the new value)
4. Allow user acceptance or cancellation of changes.
   Changes 'accepted' are saved to the Window Configuration.

USED BY

All HRE users.

DATA CONTROLLED BY THIS MODULE

1. None.

REQUIRED DATA CONTROLLED BY OTHER MODULES

1. None.

REQUIRED SERVICES – Dependencies

First-Order Dependencies	Second-Order Dependencies (if not already listed)	Higher-Order Dependencies (if not already listed)
05.40 GUI_Reminder	05.88 GUI_SelectConfiguration	
	05.02 GUI_EncodedStringEdit	05.08 GUI_FieldDefinitionEdit
		05.42 GUI_SubstitutionEdit
		07.26 BR_Substitution
		07.24 BR_Setting
		07.17 BR_WindowConfig
	07.01 BR_EncodedString	NIL
	07.24 BR_Setting	BR_AppData
		BR_UserData
		07.02 BR_EntityLink
	07.17 BR_WindowConfig	07.06 BR_GuiElement
		07.02 BR_EntityLink
		07.29 BR_Translation
		BR_FieldTranslation
		07.16 BR_MessagePatterns
	07.02 BR_EntityLink	NIL
05.14 GUI_Help	05.88 GUI_Select Configuration	
	07.24 BR_Setting	
	07.17 BR_WindowConfig	
	07.11 BR_Logging	
	07.07 BR_Help	
	07.02 BR_EntityLink	
07.17 BR_WindowConfig	07.06 BR_GuiElement	07.01 BR_EncodedString
		07.02 BR_EntityLink
		BR_FieldTranslation

First-Order Dependencies	Second-Order Dependencies (if not already listed)	Higher-Order Dependencies (if not already listed)
		07.16 BR_MessagePatterns
	07.02 BR_EntityLink	NIL
	07.29 BR_Translation	07.02 BR_EntityLink
		BR_Field
		07.06 BR_GuiElement
		07.16 BR_MessagePatterns
	BR_FieldTranslation	
	07.16 BR_MessagePatterns	07.02 BR_EntityLink
		07.01 BR_EncodedString
		07.11 BR_Logging
		Call Stack
		07.24 BR_Setting
		GUI_Translation

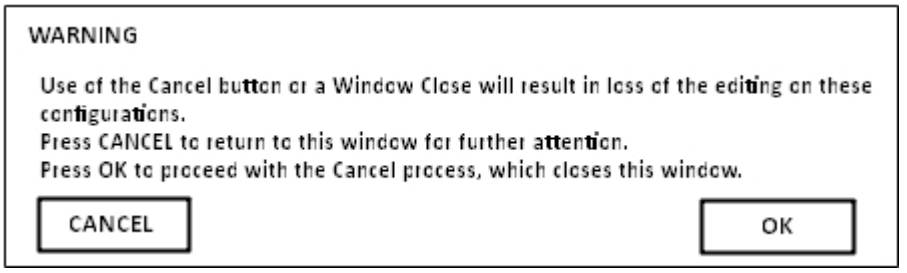
EVENT ACTIONS

1) Keyboard actions
   Overtype or entry of revised numbers in each of the fields is an 'Edit' to that value
2) Mouse actions
   Left key
   a. Mouse key click on each icon (actions detailed below)
   b. Mouse key click on the 'un-checked' radio button, selects that button, and 'de-selects the other
   c. Mouse key click on each button, operates the button

   Right key
   To be determined
3) Icon actions
   a. left mouse key click on 'X' icon:
      (closes the window)
      NOTE: Same action as in use of the 'Cancel' button
   b. left mouse key click on 'Reminder' icon:
      (opens 'Reminder' window for this 'Configure Size and Location' window)
   c. left mouse click on 'Help ' icon:
      (opens the Help System, searches for the section on 'Configure Size' window)
4) Keyboard shortcuts
   To be determined

WARNING CONDITIONS

1. Where a configuration has been edited, if the user seeks to 'cancel', or to use the 'X'-close window icon; then a warning message is displayed.



Text Version
WARNING

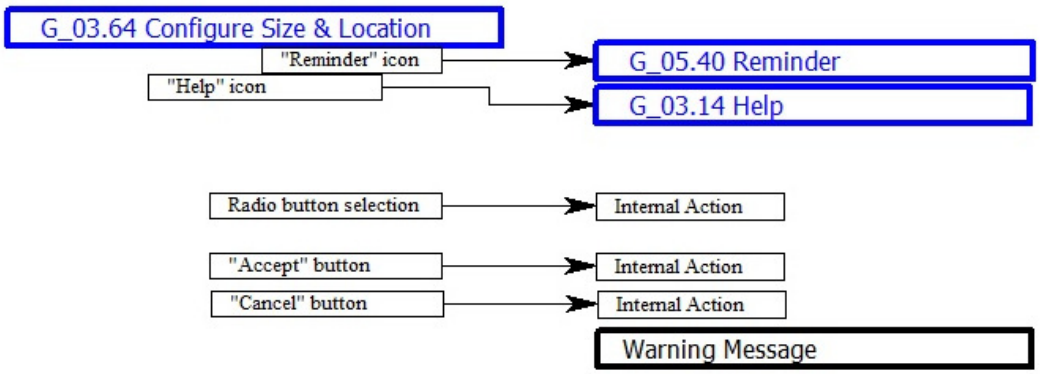
Use of the Cancel button or a Window Close will result in loss of the editing on these configurations.
Pres CANCEL to return to this window for further attention.
Press OK to proceed with the Cancel process, which closes this window.

Location: Centred on the Configure Size window.

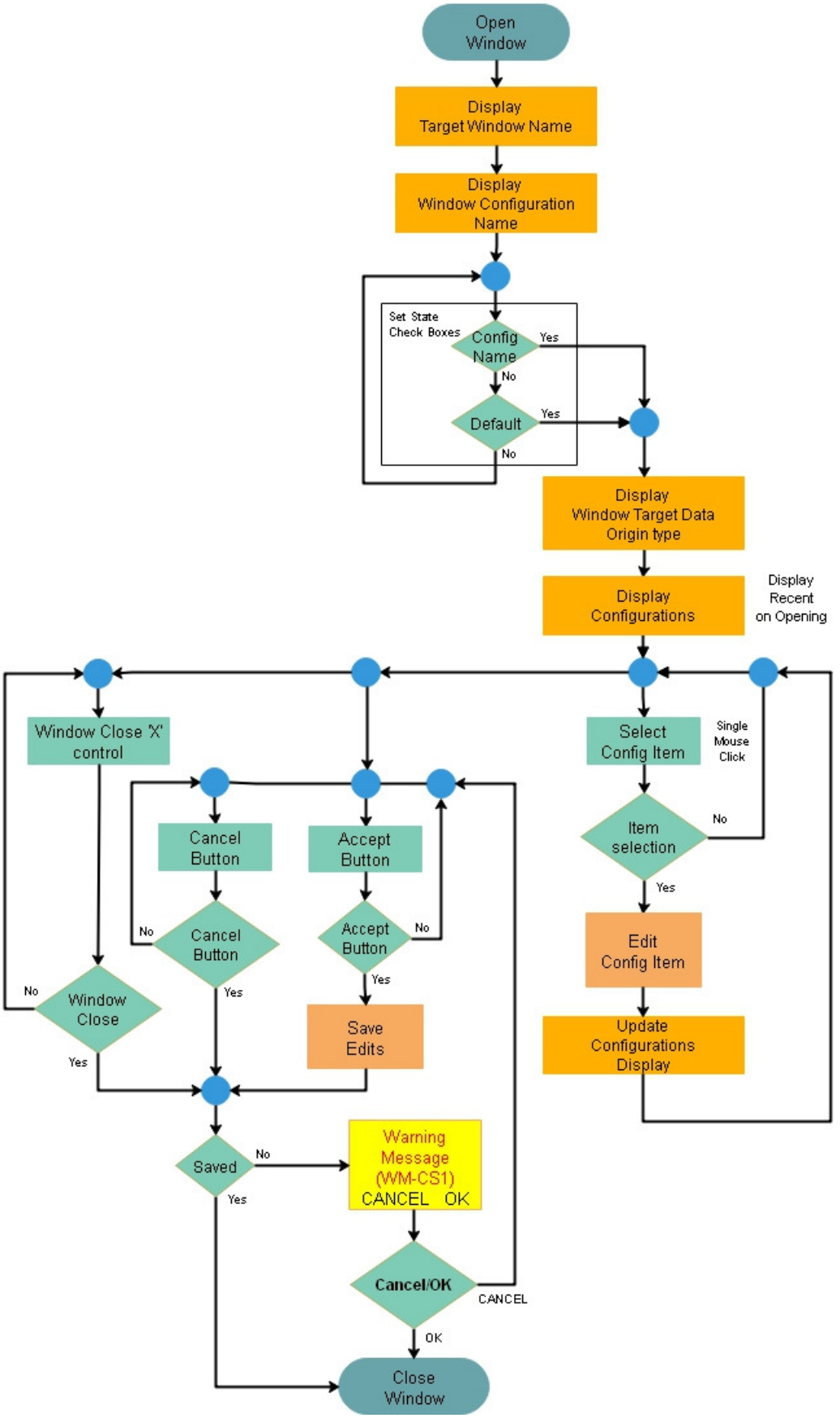
ERROR CONDITIONS

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

WINDOWS INTERACTION MAP



PROCESS FLOW CHART



USE CASES

1) Window – Person List

Details below

Use Case 1
Window - Person List (rename of TMG Project Explorer)

Target Window Name	Explorer
Window Configuration Name	RT-Person Explorer 1
Window Target Data Origin Type	Person Event Properties
Minimum Window Width (pixels)	200
Default Window Width (pixels)	100
Minimum Window Height (pixels)	500
Default Window Height (pixels)	200
X Offset (pixels)	5
Y Offset (pixels)	5

Note:

Need some checking within the software.

1) Is the Minimum Height or Width input greater than the respective default?
2) Are the Minimum Height or Width inputs greater than the Viewpoint Height or Width respectively?
3) Are the X and Y offsets positive?

TESTING

Testing to prove the functionality of this module in use with the Select Configuration module of the HRE application.
Limited 'Project' functionality (see below).
Prior testing of the module in the code development process is assumed.

General requirements	Code element requirements
HRE installation 1) Single computer	Main GUI Viewpoints Project New Project Open Project Close ExitHRE

Process

1) Run HRE
    a. Open HRE
    b. Create a new Project
    c. Create a simple Viewpoint with multiple Data windows
    d. Select a Window, and invoke the Select Configuration module by using the Configuration icon
    e. Test the functionality of the module
    f. Close the Configuration
    g. Close the Project
    h. Exit HRE
2) Check result (how?)

See Test Plan document