# **GUI – MESSAGE PATTERNS – Query**

#### **Revision history**

2018-04-18	Robin Lamacraft	Original draft	
2019-02-10	Rod Thompson	Separate from 05.87 GUI_Message Pattern Docs	
		Add Headings per Specification template	

NOTE: for GUI Message Patterns which are a response to a status state identified within the HRE Client and HRE Server code, template text is required to be stored within the Substitution database tables. These will need to have an external tool built for the coders to preload that template into the HRE Project database. The method of achieving that preloading needs to be discussed and standardized with the Core Team.

Each "Message" GUI screen is modal (e.g. freezes other actions except for actions that are initiated from the "Message" GUI Screen) and full operation will be initiated according to the way the "Message" GUI screen is exited.

## For each Message GUI screen:

- One or more text messages (these may be fixed translated text or they may have used substitution templates)
- One or more command buttons (these have language consistent labels) Command button order needs to be consistent with user progression from top to bottom of the screen. The number of command buttons can vary according to actual action being messaged
- A 'Day-Time' display showing local Day and Time. The format for this being a setting in the configuration of that screen
- The width and height can be changed to view of the contents of the Template Text.
- All GUI-Message patterns use BR\_MessagePatterns to manage the access to data to be displayed and in the case of composing messages
- BR MessagePatterns will use BR Substitution to manage the Template Text fields.

#### **GUI MESSAGE PATTERNS:**

Nine separate Message patterns follow:

No:	Name	Window Heading	Code
1	Query message	Query	QY
2	Warning message	Warning	WG
3	Client Error message	Client Error	CE
4	Server Error message	Server Error	SE
5	Action Progress message	Action Progress	AP
6	Client Broadcast message	Client Broadcast	СВ
7	Server Broadcast message	Server Broadcast	SB
8	Receive Inter-User message	Receive from Colleague	IR
9	Send Inter-User message	Send to Colleague	IS

The above list includes a two-character code, used to simply distinguish the patterns, when used in references from other specifications.

A reference from another specification (in the Required Services area) would (for example) have the following form:

GUI\_Message (QY) or GUI\_Message (SB)

# **REQUIRED SERVICES - Dependencies**

First-Order Dependencies	Second-Order Dependencies	Higher-Order Dependencies
	(if not already listed)	(if not already listed)
05.32 GUI_Select Configuration		
07.17 BR_WindowConfig	07.06 BR_GuiElement	
	07.02 BR_EntityLink	
	07.29 BR_Translation	
	07.16 BR_Message Patterns	
07.16 BR_MessagePatterns	07.02 BR_EntityLink	
	07.01 BR_EncodedString	
	07.11 BR_Logging	
	Call Stack	
	07.24 BR_Setting	
	GUI_Translation ???	
07.26 BR_Substitution	07.02 BR_EntityLink	
	07.29 BR Translation	

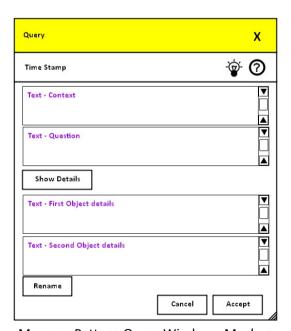
#### **GENERAL**

Typically the use of this screen pattern is the confirmation that the user wishes to complete an action like delete this file, or there is already a file of the proposed name in this folder, Overwrite, Rename, Cancel or Show Details. This illustrates the case for more than 2 COMMAND BUTTONS.

## **SPECIFICATION**

GUI ELEMENT USE	ELEMENT TYPE	DESCRIPTION
TOP BAR	HEADING TEXT	blank or translation of "Query"
TOP BAR	RIGHT BUTTON	Only a "X" to "Close" the screen equivalent of "Cancel"
CONTEXT	TEMPLATE TEXT	Text describing from where it was initiated. This text may involve some substitution variables
QUESTION	TEMPLATE TEXT	Text explaining the query. This text may involve some substitution variables
COMMAND 1	BUTTON	(Typically optional) Used for "Show Details" etc. Only show ROW1 and ROW2. Only provide space for ROW1 and ROW2 when clicked and then populate ROW1 and ROW2 with the required retrieved from the use of the Template Texts
ROW 1	TEMPLATE TEXT	Shown details of the first object.
ROW 2	TEMPLATE TEXT	Shown details of the second object.
COMMAND 3	BUTTON	"Rename" button would be above
COMMAND 4	BUTTON	Typically "Accept"
COMMAND 5	BUTTON	Typically "Cancel"

#### **LOOK AND FEEL**



Message Pattern-Query Window - Mockup

# **EVENT ACTIONS**

- 1) Keyboard actions (we need to check what keyboard shortcuts are already taken in by the OS in each of Windows Mac and Linux as there may be some conflicts)
  - a. Accept
  - b. Cancel
  - c. Show Details
  - d. Rename
  - e. At window opening, focus set on 'Show Details' button.

    Tab key use thereafter cycles through the 'Rename', 'Accept' and 'Cancel' buttons, returning to the 'Show Details' button.

#### 2) Mouse actions

#### Left key

- a. Mouse hover over slider bar, hold key down and drag slider bar up or down
- b. Mouse key tap in slide bar box cause up or down movement.
- c. Mouse key click on each button, operates the button

#### Right key

Action to be determined

- 3) Icon actions
  - a. left mouse key click on 'Reminder' icon: (opens 'Reminder' window for this 'Query' Message display)
  - b. left mouse click on 'Configuration' icon: (opens the 'Configurations Settings' window for this 'Query' Message display

left mouse click on 'Help' icon:

(opens the Help System, searches for the section on 'Query Message')

#### **PROCESS FLOW CHART**