GUI_ExitHRE – Exit from HRE

Revision History
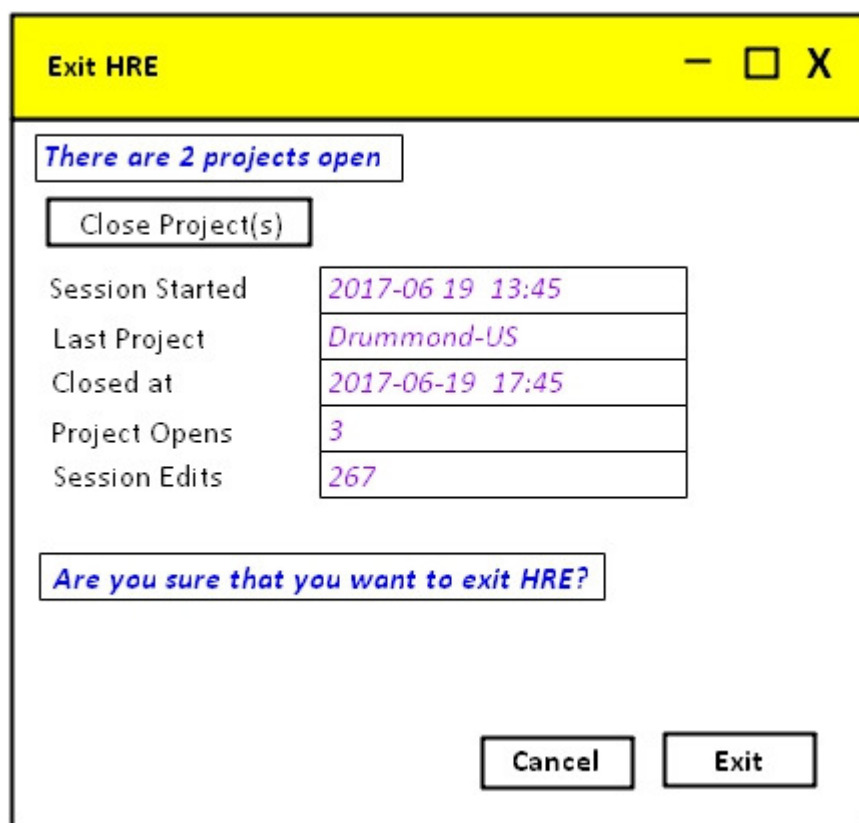
2017-06-21	Robin Lamacraft	Initial draft
2018-05-12	Rod Thompson	Replace graphic
2018-06-07	Rod Thompson	Replace graphic Revise Actions, Add Event Actions Add Windows Interaction Map & Process Flow Chart Add Warning Message
2018-06-09	Don Ferguson	Minor edits

SCOPE
This GUI module is called from the Main Menu (GUI_UserInterface) to shut down and exit completely from HRE.

LOOK AND FEEL
Display a dialog box confirming the user's request to shutdown HRE.

ExitHRE Window - Mockup

ACTIONS
The fundamental operations are:
1. Open the window according to its saved Layout (BR_WindowConfig)
2. Allow user selections
3. If the response is 'Close Project(s)', execute the GUI_ProjectClose module
4. If response is 'Cancel', close the dialog box and return to GUI_UserInterface
5. If the response is 'Exit', close the HRE Client.

USED BY

All HRE users.

DATA CONTROLLED BY THIS MODULE

1. None.

REQUIRED DATA CONTROLLED BY OTHER MODULES

1. None.

REQUIRED SERVICES

1. GUI_ProjectClose
2. BR_Project
3. BR_WindowConfig.

APPLICATION PROGRAMMING INTERFACE (API)

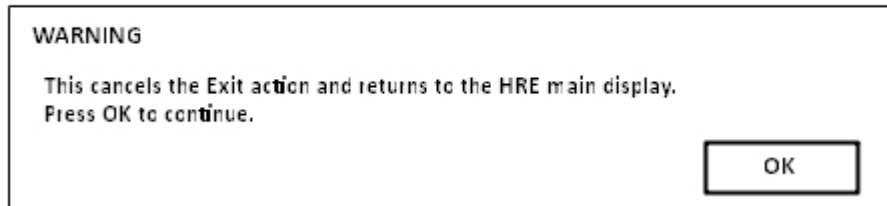1. Single call, no parameters.

EVENT ACTIONS

1) Keyboard actions
   NIL

2) Mouse actions
   <u>Left key</u>
   a. Mouse key click on each button, operates the button
   b. Mouse key click on icons (detailed below)
   <u>Right key</u>
   To be determined

3) Icon actions
   a. left mouse key click on icons in the Window Control group:
      a. 'X' icon
         (closes the window)
      b. 'Box' icon
         Toggles the window size between full screen, and the preset window size
      c. 'Dash' icon
         Minimizes the window, to an icon on the screen toolbar.
         A click on the toolbar icon restores the display to its previous setting

4) Keyboard shortcuts
   To be determined

WARNING CONDITIONS

1. When the 'Cancel' button is used, then a warning message is displayed.
   Warning Message (WM-HE1)

Warning Message Window-1

```
WARNING

This cancels the Exit action and returns to the HRE main display.
Press OK to continue.

                                                    [ OK ]
```
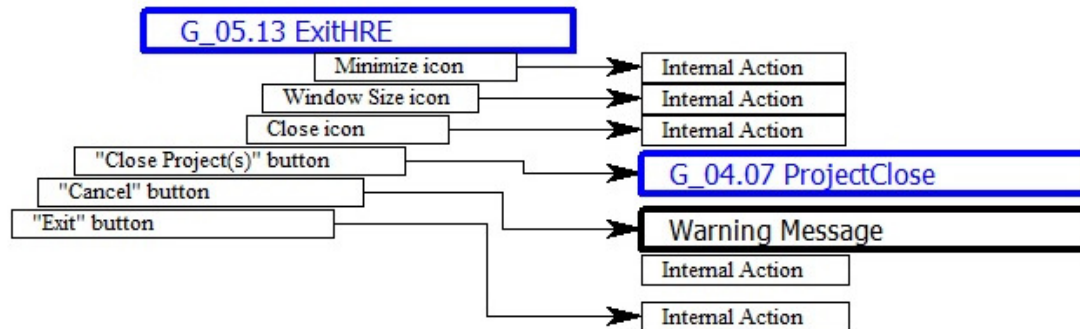
ERROR CONDITIONS

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

WINDOW INTERACTION MAP

PROCESS FLOW CHART

CLIENT   **SERVER**

```
Open
Window
  ↓
Display
re Open Projects
  ↓
Display
Session detail
  ↓
Close
Projects
Button
  ↓
Close Projects Button? ──Yes──→ ProjectClose Module ──→ Message to Server (Close Project connection request) M_C_S_1 ──→ Message from Client (Close Project connection request)
  │No
  │                    Projects closed? ←── Message from Server (Backup occurred) ←── Message to Clients (Backup action) M_S_C_1
  │                    No WAIT / Yes
  ↓
  ● ←──────────────────┘
  ├──────────────┐
  ↓              ↓
Cancel         Exit
Button         Button
  ↓              ↓
Cancel Button? ──No    Exit Button? ──No
  │Yes              │Yes
  ↓                  ↓
Warning            ●──→ Message to Server (Close Client) M_C_S_2 ──→ Message from Client (Close Client)
Message                ↓
(WM-HE1)            Close                                              ↓
OK                 Window                                          Single Computer? ──No──→ Leave Server operational (assume separate computer)
  ↓                  ↓                                                │Yes
Cancel/OK         ExitHRE                                             ↓
  │OK            (Client)                                          ExitHRE
  ↓                                                                (Server)
Close
Window
```