GUI_ProjectDelete – Delete a Project

Revision History

2017-06-21	Robin Lamacraft	Initial creation
2018-06-11/12	Rod Thompson	Edit Replace window graphic Replace 'screen' with window Replace GUI_Interface with GUI_UserInterface Replace BR_PanelConfig with BR_WindowConfig Revise REQUIRED SERVICES – Dependencies Add EVENT ACTIONS Add WINDOWS INTERACTION MAP Add WARNING MESSAGES
2018-06-29	Rod Thompson	Add PROJECT FILESET and NOTES Replace Process flowchart Addition of 'Output' to icon actions Revise Server messages
2018-06-30	Rod Thompson	Replace graphic
2018-11-15	Rod Thompson	Remove Configuration icon (Replace graphic) Update REQUIRED SERVICES – Dependencies Replace Window Interaction Map graphic Add section - LOGGING Add section – TESTING Additions to WARNING CONDITIONS Add to NOTES (deletion rights) Add Issue
2019-01-20	Rod Thompson	Replace graphics Amend EVENT ACTIONS – icon actions Delete section SCOPE – Issues Add to NOTES

SCOPE
This GUI module is called from the Main Menu (GUI_UserInterface) to delete an existing project.

PROJECT FILE-SET
A set of files required for normal use of HRE projects consists of:
- an H2 database
- A 'User' Auxiliary file
- A 'Project' Auxiliary file
- folders of external files (images, etc)   [optional].

Refer to *03.32 Overview – Auxiliary (Non Database) Files* for details.

NOTES
The following are generally applicable to project deletions:
- only a User with appropriate RIGHTS can delete a project (see below)
- where a project is deleted, the H2 Database and associated Database AUX file are deleted
- external files are not impacted by the project Delete process. Any action on these rests with either the User or Administrator
- the project record is deleted from the User Auxiliary file
- in the Client-Server model, the Server will:
    - Inform (by message) all Users who have access rights to the project, maintaining that record until the User Client again logs into the Server

o retain a record of the need to amend User Auxiliary files on a Client, until the next login, when that action is taken.

Further amendment of this specification is foreseen to further define the Server-Administrator processes around the Project Delete functionality.

LOOK AND FEEL

The window has several parts:
- The upper right icon buttons provide the following universal features:
  - the 'Output' icon enables <u>Output</u> of the Recent Projects list by sending the contents of the Recent Projects tabular display to a file or to a printer.
  - the 'Reminder' icon displays the <u>Reminder </u>content for this window
  - the 'Help' icon displays context <u>Help</u> about the use of this window.
- The "Server" selection list allows selection from various servers known to this installation of HRE. On selection of a Server, the "Login" button allows the user to access that server (if the user is already logged into that server the "Login" button will be hidden). NOTE: If this is an isolated usage of HRE where project files are only used from the same computer then the server aspects of this GUI will not show any server-related elements. There can be a one user environment. If a second computer is used to access those project files over a local network then the login on either computer must invoke the shared server mode.
- The Project "Browse" button allows the user to select the project file to be deleted
- The "Summary" button opens the GUI_ProjectSummary module to display the details of the selected project
- The "Delete" button initiates the deletion of the chosen project
- The "Cancel" button forces exit without a project deletion action.
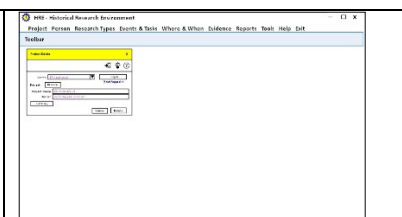

PROJECT DELETE Window - Mockup

Shape, Size, Color, Layout etc. determined in design. <u>On screen location</u> Initially inherited from the HRE main display Window located immediately below the Project menu button On screen location and scale are the only User changeable settings	

ACTIONS

The fundamental operations are:
1. Open the window according to its saved window Layout (BR_WindowConfig)
2. Allow the user to search for a project file to be deleted
3. If the project file is in use, then:
   - prevent any new logins
   - warn users of that project of this action
   - raise error with this user of project use conflict.

USED BY

All HRE users.

DATA CONTROLLED BY THIS MODULE

1. User tables in the project database – Tables 131-136
2. User and Project data in the Database Auxiliary file.

REQUIRED DATA CONTROLLED BY OTHER MODULES

1. None.

REQUIRED SERVICES - Dependencies

First-Order Dependencies	Second-Order Dependencies	Higher-Order Dependencies
05.31 GUI_Output	07.06 BR_GuiElement	07.01 BR_EncodedString
		07.02 BR_EntityLink
		BR_FieldTranslation
		07.16 BR_MessagePattern
05.40 GUI_Reminder	05.02 GUI_EncodedStringEdit	05.08 GUI_FieldDefinitionEdit
		05.42 GUI_SubsititutionEdit
		07.26 BR_Substitution
		07.24 BR_Setting
		07.17 BR_WindowConfig
	07.01 BR_EncodedString	Needed
	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	Needed
05.14 GUI_Help	07.24 BR_Setting	See above
	07.17 BR_WindowConfig	See above
	07.11 BR_Logging	See below
	07.07 BR_Help	07.29 BR_Translation
		07.21 BR_Project
		07.01 BR_EncodedString
		07.24 BR_Setting
		07.11 BR_Logging
		07.12 BR_Menu
		07.25 BR_Schema
		07.28 BR_User
		07.16 BR_MessagePatterns
	07.02 BR_EntityLink	Needed
04.14 GUI_ProjectSummary	07.17 BR_WindowConfig	See above
	07.21 BR_Project	See below
07.17 BR_WindowConfig4	07.06 BR_GuiElement	See above

First-Order Dependencies	Second-Order Dependencies	Higher-Order Dependencies
	07.02 BR_EntityLink	Needed
	07.29 BR_Translation	07.02 BR_EntityLink
		BR_Field
		07.06 BR_GUIElement
		07.16 BR_MessagePatterns
	07.16 BR_MessagePatterns	07.02 BR_EntityLink
		07.01 BR_EncodedString
		07.11 BR_Logging
		Call Stack
		07.24 BR_Setting
		GUI Translation
07.04 BR_Files	Local file system interface modules Remote server connection modules Remote or external file system modules	
	07.16 BR_MessagePatterns	See above
	07.21 BR_Project	See below
	07.24 BR_Setting	See below
	07.11 BR_Logging	See below
	07.25 BR_Schema	Needed
	08.01 BCS_Bridge	Needed
07.21 BR_Project	07.06 BR_GuiElement	See above
	07.02 BR_EntityLink	Needed
	07.29 BR_Translation	See above
	07.03 BR_FieldDefinition	Needed
07.11 BR_Logging	07.01 BR_EncodedString	Needed
	07.02 BR_EntityLink	Needed
	BR_FieldTranslation	
	07.26 BR_Substitution	07.02 BR_EntityLink
		07.29 BR_Translation

APPLICATION PROGRAMMING INTERFACE (API)

1. Single call with no parameters.

LOGGING

Use of this module will create log entries.

Commit Logging -NIL

General Log
This includes:
- Project Delete.

EVENT ACTIONS

1) Keyboard actions
   NIL
2) Mouse actions
   Drag and drop mouse actions to move and resize the window
   Setting changes saved to database for User>Project>Window
   Left key
      a. click on Server name pulldown expands Server list, and allows selection
      b. click on the Browse button opens the Windows Explorer allowing the user to view the file system to select an existing Folder and Filename, or enter a new Filename

      c.   click on the 'Summary' button invokes the GUI_Project Summary module

      d.   click on the 'Cancel' or 'Delete' button, operates the button

      e.   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:

       'X' icon

       (closes the window)

       NOTE: Same action as in use of the 'Cancel' button

    b.   left mouse key click on the 'Output' icon:

       (opens the 'Output' window for output to File or Printer)

    c.   left mouse key click on 'Reminder' icon:

       (opens 'Reminder' window for this 'Send to Colleague' Message display)

    d.   left mouse click on 'Help ' icon:

       (opens the Help System, searches for the section on 'Send to Colleague Message')
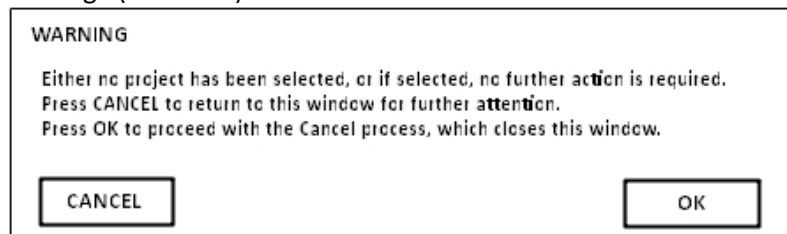
4) Keyboard shortcuts

    To be determined

WARNING CONDITIONS

Display Location: centered on the GUI_ProjectDelete window

1.   When the 'Cancel' button is used, then a warning message is displayed.

    Warning Message (WM-PD1)

```
WARNING

Either no project has been selected, or if selected, no further action is required.
Press CANCEL to return to this window for further attention.
Press OK to proceed with the Cancel process, which closes this window.


[ CANCEL ]                                              [ OK ]
```

    Text Version

    WARNING

    Either no project has been selected, or if selected, no further action is required.

    Press CANCEL to return to this window for further attention.

    Press OK to proceed with the Cancel process, which closes this window.

<u>Server scenario</u>

Created in and sent from Server to Client

Message M_S_C_1 Uses Server Broadcast Message Pattern GUI_Message (SB) Sent to one Client User initiating the 'delete' process	Subject: Project Delete From: Server Text Message: You do not have 'RIGHTS' to delete the project. Requested by: User name Project name: Project name Project folder: Folder name Project filename: Filename
Message M_S_C_2	Subject: Project Delete From: Server

Uses Server Broadcast Message Pattern GUI_Message (SB) Sent to all current users of the selected project	Text Message: Project deletion queued – multiple users. Deletion will occur when all users are disconnected from the project. Requested by: User name Project name: Project name Project folder: Folder name Project filename: Filename
Message M_S_C_3 Uses Server Broadcast Message Pattern GUI_Message (SB) Sent to one Client User initiating the process	Subject: Project Delete From: Server Text Message: Project deletion completed. Requested by: User name Project name: Project name Project folder: Folder name Project filename: Filename
Message M_S_C_4 Uses Server Broadcast Message Pattern GUI_Message (SB) Sent to all Client Users record in the Project AUX file, with access to this project Queued till next Login	Subject: Project Delete From: Server Text Message: This Project has been deleted. Requested by: User name Project name: Project name Project folder: Folder name Project filename: Filename
Message M_S_C_5 Uses Server Broadcast Message Pattern GUI_Message (SB) Sent to the Administrator, advise of the attempt by a User without rights to deleted a Project For Administrator action	Subject: Project Delete From: Server Text Message: A request was made to delete this Project by the User, without RIGHTS. Requested by: User name Project name: Project name Project folder: Folder name Project filename: Filename

Message window location (at client): centred on the GUI_ProjectDelete window
Message window location (for Administrator) - how to deal with this??

Message designator:
1) M_   signifies a message
2) X_   source
3) Y_   destination
4) Z   distinguishing number for this window

Messages from the Server to the Client utilize the Server Broadcast Message Pattern.
Such messages result in a window opening on the client, to display information (detailed above)
That specification requires amendment to allow use for sending to selected Users.

Use (or otherwise) of Warning Messages in HRE is a User controlled preference, set through the Application Settings management module.
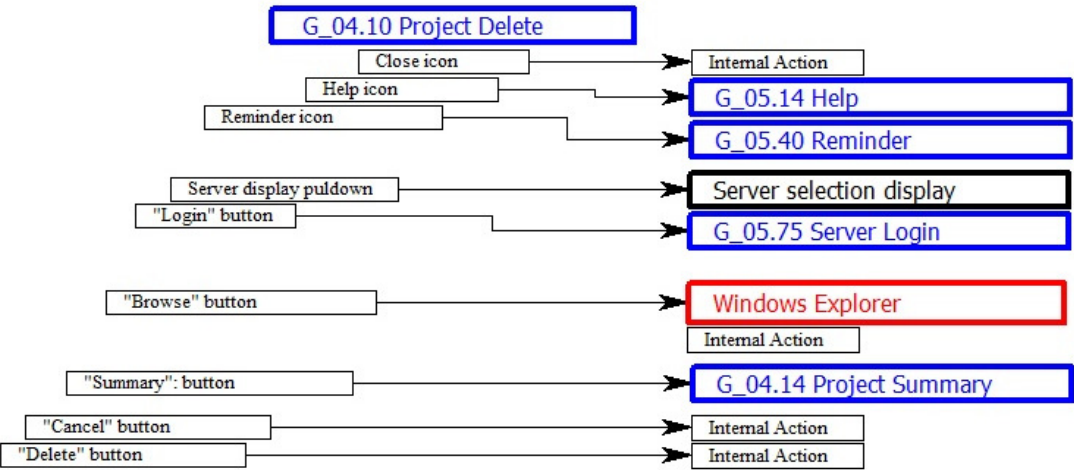
Where applicable in the operation of HRE, Warning Messages are generated.

According to the User preference for these, the display of such messages is bypassed, with action taken by the software equivalent to the User operation of the OK button.
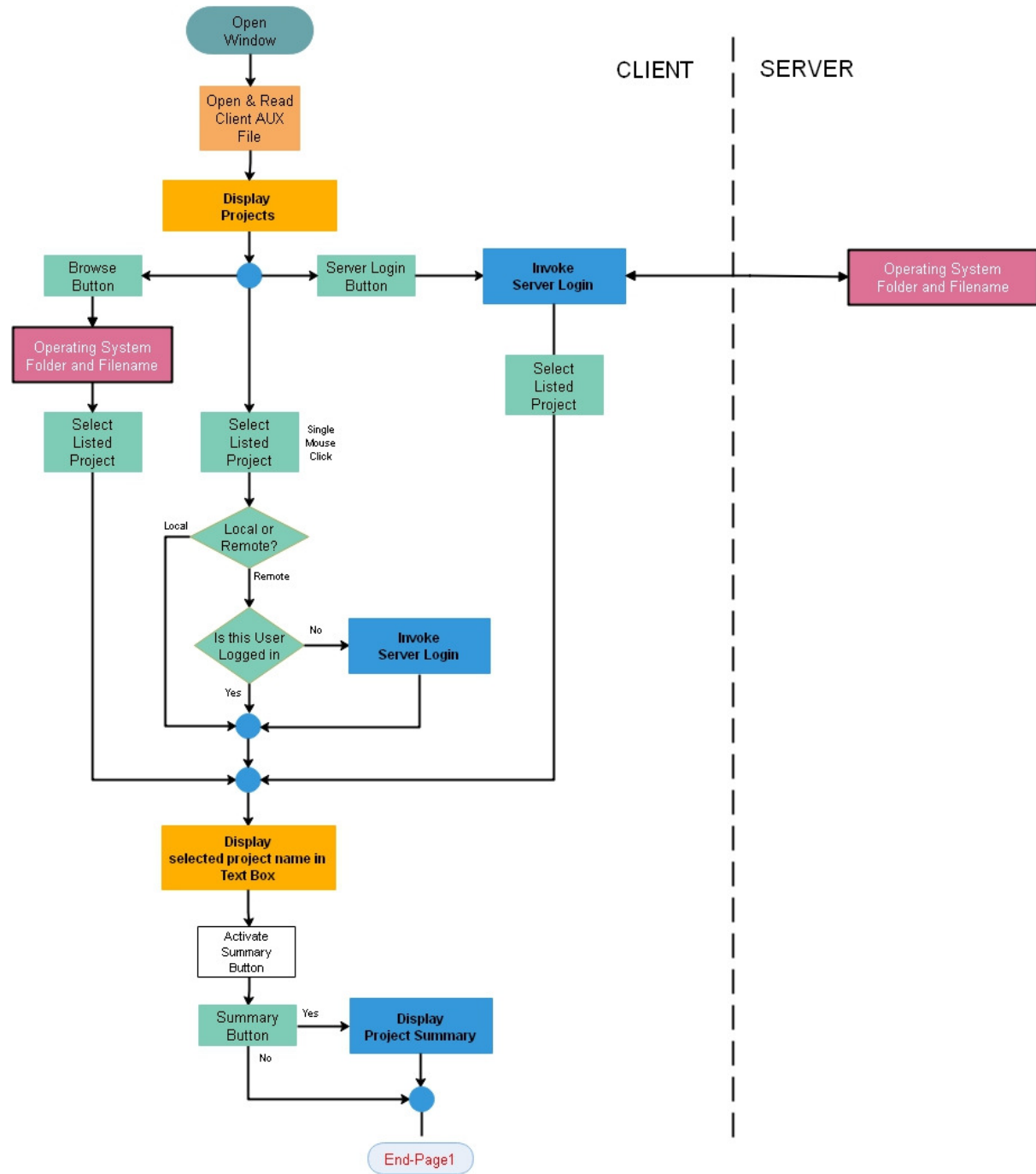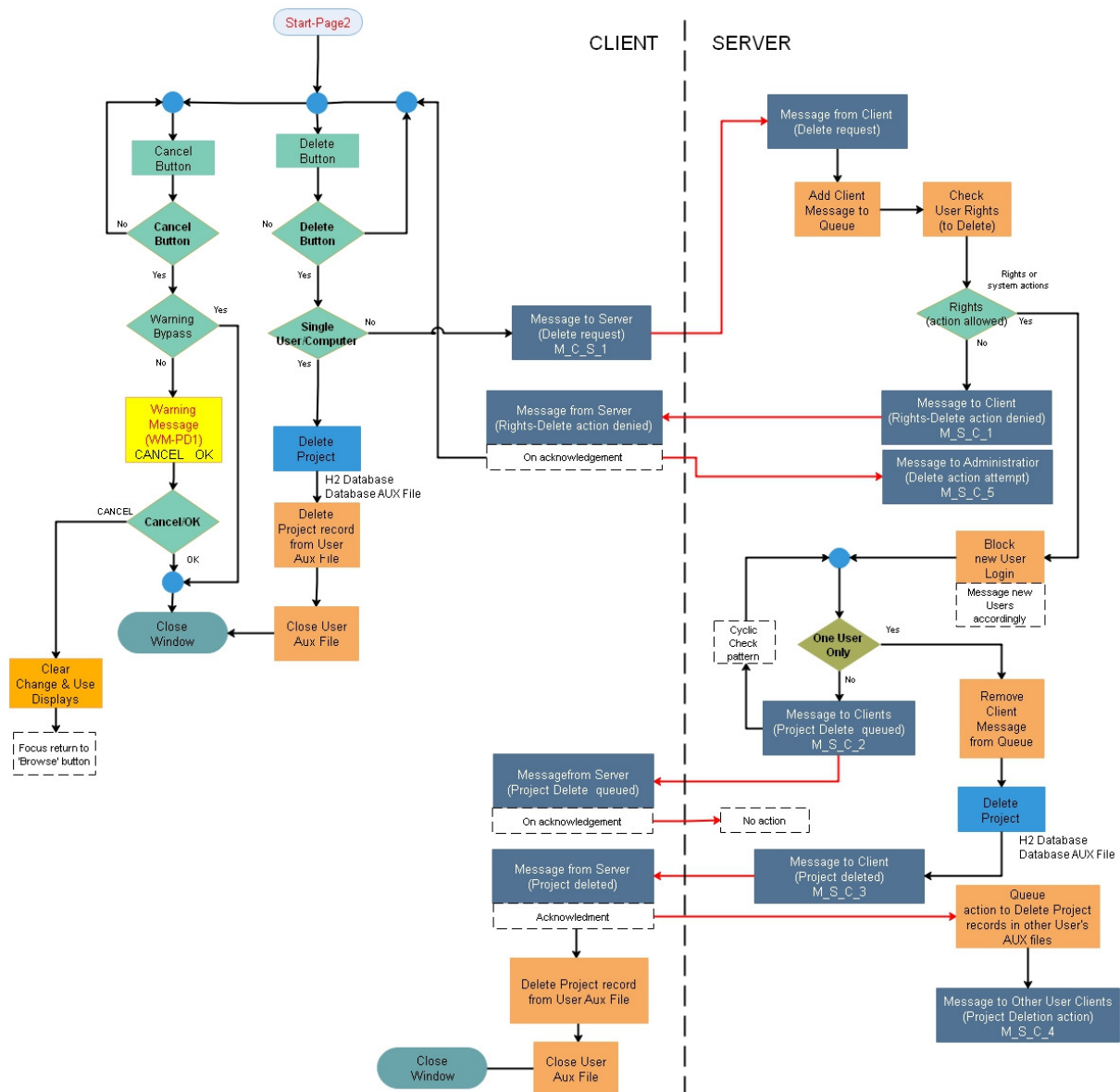
ERROR CONDITIONS

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

WINDOW INTERACTION MAP

G_04.10 Project Delete		
Close icon	→	Internal Action
Help icon	→	**G_05.14 Help**
Reminder icon	→	**G_05.40 Reminder**
Server display puldown	→	**Server selection display**
"Login" button	→	**G_05.75 Server Login**
"Browse" button	→	**Windows Explorer**
		Internal Action
"Summary": button	→	**G_04.14 Project Summary**
"Cancel" button	→	Internal Action
"Delete" button	→	Internal Action

PROCESS FLOW CHART

USE CASES

TESTING

Testing to prove the functionality of this module in use with others 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	Main GUI
1) Single computer	Project Open
2) Client-Server	Project Close
3) Test Project database fileset	Project Delete
	ExitHRE

Process
1) Run HRE
   a. Open the Test Project
   b. Close the Project
   c. Delete the Test Project
   d. Exit HRE
2) Check result (how?)

See Test Plan document.