GUI_ProjectOpen – Open a Project

Revision history

2017-06-21	Robin Lamacraft	Original draft
2018-05-27	Rod Thompson	Inserted diagrams, actions
2018-06-08	Rod Thompson	Replace graphic and Window Interaction Map Replace 'screen' with 'window' Replace 'BR_PanelConfig' with 'BR_WindowConfig' Replace 'BR_Notification" with 'BR_Message Patterns'
2018-06-09	Don Ferguson	Updated Required Services (Dependencies), added issue list to Scope
2018-06-14	Rod Thompson	Edit Add WARNING CONDITION Add PROCESS FLOW CHART
2018-06-16	Don Ferguson	Removed ProjectRecent as a dependency, as this module performs those functions anyway
2018-06-17	Don Ferguson	Added to Scope Issues 2 & 4 and Actions item 4
2018-06-26	Rod Thompson	Remove Issues Notes Replace window graphic & WINDOW INTERACTION MAP Replace PROCES FLOW CHART Add PROJECT FILESET and NOTES Revise LOOK and FEEL Revise ACTIONS

SCOPE

This GUI module is called from the Main Menu (GUI_UserInterface), or from GUI_ProjectNew to open an existing HRE project for use.

PROJECT FILESET

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

On the first occasion that each user initiates HRE operation, a User Auxiliary file is created for that user. As projects are created or opened for the first time, a Project Auxiliary file (for each Project) is created, and User entries added. This system provides a linkage between Users and Projects.

A list of projects (local and remote) that can be accessed by the User is displayed for selection. This data is read from the User Auxiliary File where projects have previously been worked on by the user. Other Projects may be accessible:

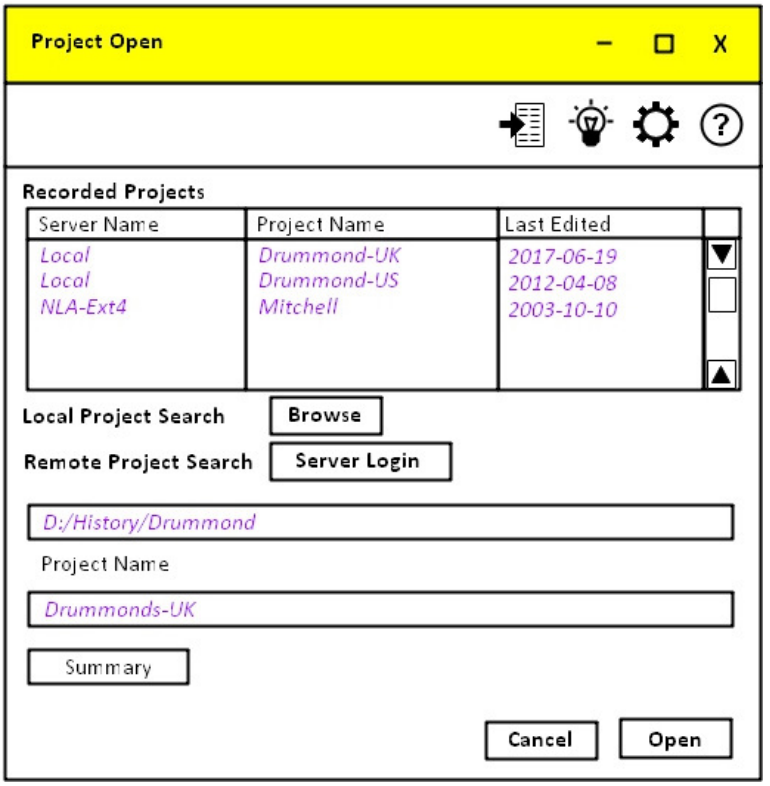
- on the local computer, accessed via browsing the OS file explorer, or
- on a server where advice of such projects is notified to the User, and access is granted by an administrator.

LOOK AND FEEL

The window has several parts:

- A top panel with the window name, and window size control icons
- The upper right icon buttons provide the following universal features:
    - The 'Output' icon enables Output 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 Reminder content for this window
    - The 'Configuration' icon enables the user to create and retrieve recent or favorite Configurations of this window's layout
    - The Help icon displays context Help about the use of this window
- A 'Projects' scrollable tabular display area which shows all of the user's accessible projects. If the selected project is located in a server, access that server is established (if the user is already logged into that server); or otherwise via a login process. (GUI_ServerLogin)
- A 'Browse' button provides access through the OS file explorer to search for other projects located on the user's computer
- The "Server Login" button allows selection of various servers known to this installation of HRE. On use, access is provided to select a server and project (where administration has provided accessibility)

- The buttons:
    - "Summary" opens a ProjectSummary window, displaying a summary of the project
    - "Open" performs the project open functions on the selected project
    - "Cancel" exits without action.



PROJECT OPEN Window - Mockup

ACTIONS

The fundamental operations are:

1. Open the window according to its saved window Layout (BR_WindowConfig)
2. HRE has 3 possible installation variants:
    - Isolated mode -where HRE acts as an application entirely within one computer

- Mixed mode- where HRE has both some project files stored locally and some are stored remotely on a local network server or in some external internet service
- Remote mode – where no user data is stored on the local computer and all data must be transferred across a network.

3. Accordingly, the GUI_ProjectOpen module has to adapt to each of these modes. Isolated mode requires no login capability, but the other 2 modes require this interface to adapt itself according to the type of request. To achieve this the GUI_ServerLogin module and the BR_ServerServices module have to provide access and the business rules to control these aspects
4. Displays a list of projects available to this client user (as controlled by access rights). Projects not available could possibly be greyed out, but listed
5. Allows the user to select one project to open
6. The Project Summary button allows the user to view in a new window, summary information about the selected Project
7. If a Remote project:
    - Check the status of a remote project to identify whether it is currently unavailable because of backups in progress or other system actions
    - Check status of the selected project to see whether it is already open by other users
    - If already in use, notify all concurrent users of this user joining for update activity. This is to be done using the BR_Message Patterns and GUI_Message Patterns modules.
8. Open the selected project files
9. Populate the user's HRE instance with default settings, then overlay these with the user's personal settings from this user's last status data from their last use of this project
10. When the project is used for the first time by the user, as appropriate add records to the User Auxiliary File and Project Auxiliary File.

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)
04.14 GUI_ProjectSummary	--	
05.75 GUI_Server Login	05.32 GUI_SelectConfiguration 07.24 BR_Setting	
03.66 GUI_MessagePatterns	Already included in 1st order	
07.17 BR_WindowConfig	07.06 BR_GuiElement 07.29 BR_Translation 08.01 BCS_Bridge	10.02 SS_DirectRequest 11.01 DBA_DatabaseValidateRequest 11.02 DBA_DatabaseMapRequest 11.03 DBA_DatabaseTransaction 12.01 DBE_PerformDatabaseRequest

First-Order Dependencies	Second-Order Dependencies (if not already listed)	Higher-Order Dependencies (if not already listed)
07.04 BR_Files -- Also • local file system interface modules • remote server connection modules • remote or external file system modules	05.20 GUI_Logging 07.25 BR_Schema	07.02 BR_EntityLink 07.26 BR_Substitution 07.01 BR_EncodedString
07.43 BR_ServerServices		
07.16 BR_MessagePatterns	Already listed	
07.21 BR_Project	Already listed	

APPLICATION PROGRAMMING INTERFACE (API)

1. Single call, with parameters:
    a. Has local projects (Boolean)
    b. Has remote projects (Boolean)
    c. Recent server ID (HRE_serverID)
    d. Recent projects list object (HRE_recent project ID)
    e. Default project storage location(HRE_project storage path ID).

EVENT ACTIONS

1) Keyboard actions
   NIL
2) Mouse actions
   Left key
    a. Mouse key click on Server name pulldown expands Server list, and allows selection
    b. Mouse key click on a Project Name, causes the pathname and project name to be shown in the text boxes
    c. Mouse key click on the 'un-checked' radio button, selects that button, and 'de-selects' the other
    d. Mouse key click on each button, operates the button
    e. Mouse key click on icons (detailed below)

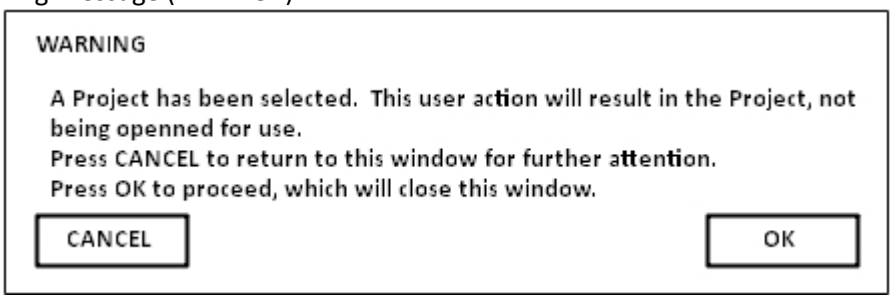
   Right key
   to be determined
3) Icon actions
    a. left mouse key click on icons in the Window Control group:
        a. 'X' icon
           (closes the window)
           NOTE: Same action as in use of the 'Cancel' button
        b. 'Box' icon
           Toggles the window size between full window, and the preset window size
        c. 'Dash' icon
           Minimizes the window, to an icon on the window toolbar.
           A click on the toolbar icon restores the display to its previous setting
    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 key click on the 'Configuration' icon
       (opens the Configuration Window for this Project Open window)

e. 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

1. When the ‘Cancel’ button is used, a reminder warning message is displayed.
Warning Message (WM-PO1)

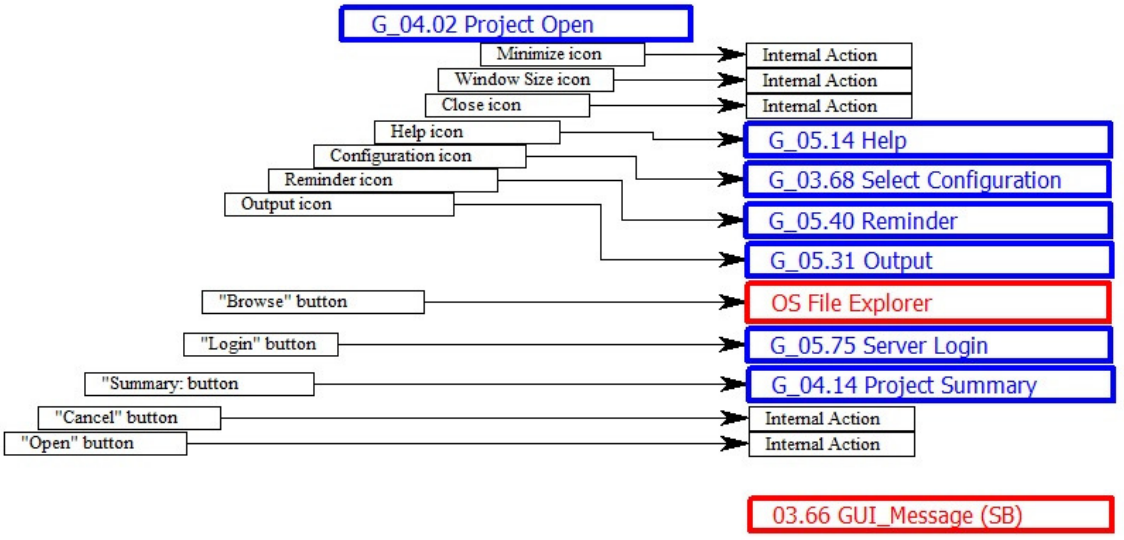


Text Version
WARNING
A Project has been selected. This user action will result in the Project, not being opened for use.
Press CANCEL for return to this window for further attention.
Press OK to proceed, which will close this window.

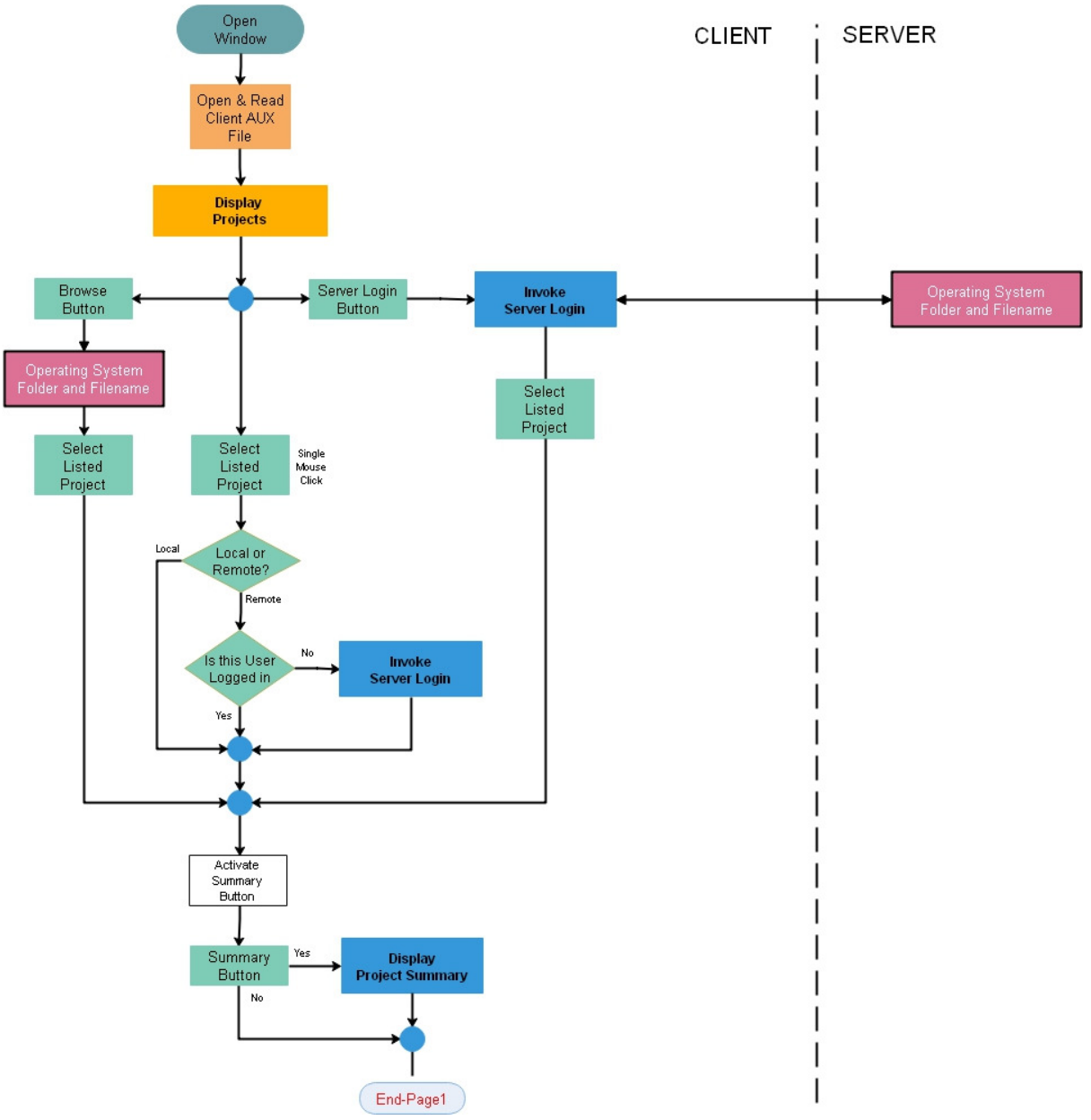
ERROR CONDITIONS

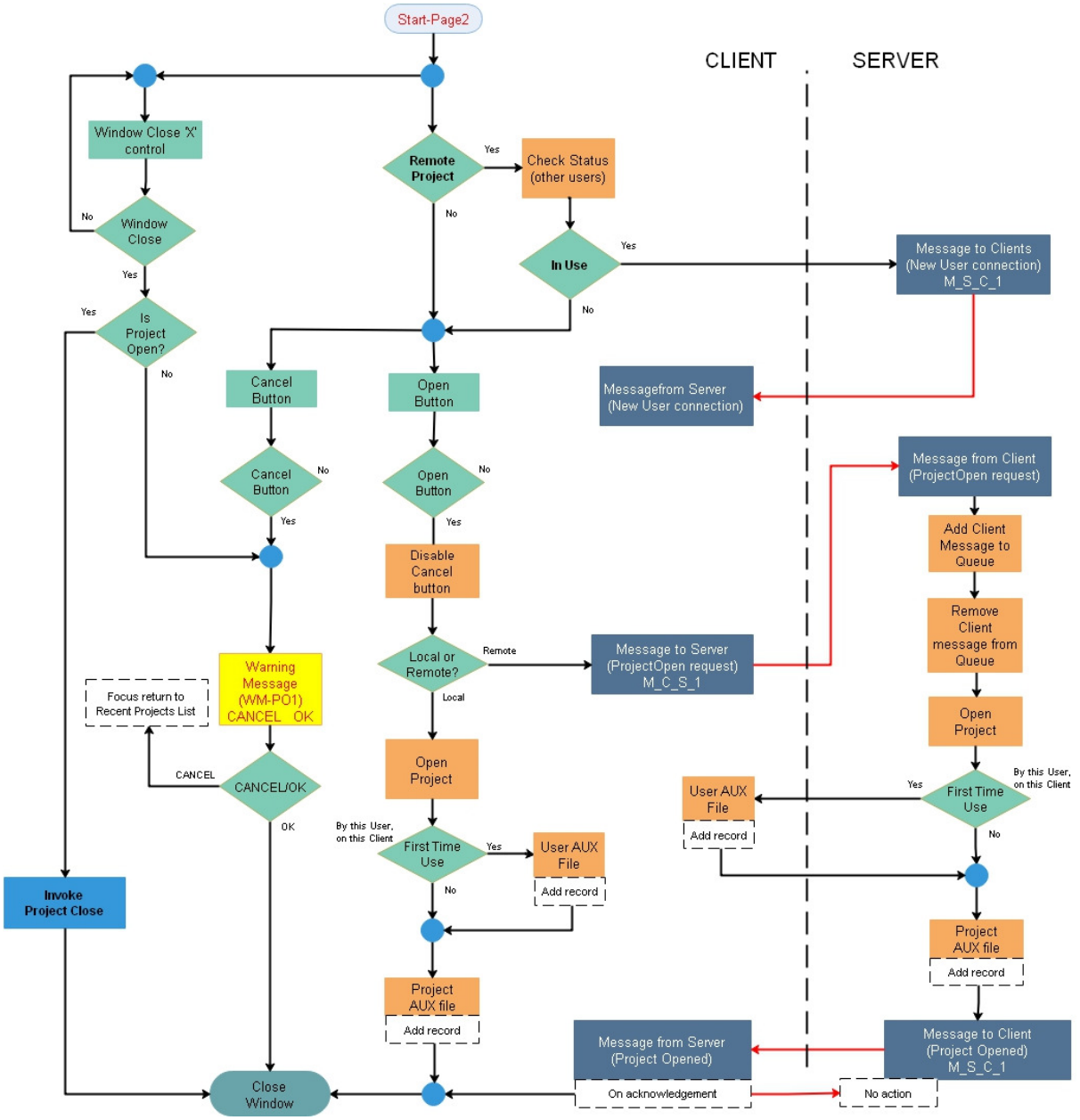
1. Need details of the condition that raised the error, example message and possible next steps.

WINDOW INTERACTION MAP



PROCESS FLOW CHART




Start-Page2
CLIENT
SERVER
Window Close 'X' control
Window Close
No
Yes
Is Project Open?
Yes
No
Invoke Project Close
Remote Project
Yes
No
Check Status (other users)
In Use
Yes
No
Message to Clients (New User connection) M_S_C_1
Messagefrom Server (New User connection)
Cancel Button
Cancel Button
No
Yes
Open Button
Open Button
No
Yes
Disable Cancel button
Local or Remote?
Remote
Local
Message to Server (ProjectOpen request) M_C_S_1
Warning Message (WM-PO1) CANCEL OK
Focus return to Recent Projects List
CANCEL
CANCEL/OK
OK
Open Project
By this User, on this Client
First Time Use
Yes
No
User AUX File
Add record
Project AUX file
Add record
Close Window
Message from Client (ProjectOpen request)
Add Client Message to Queue
Remove Client message from Queue
Open Project
By this User, on this Client
Yes
First Time Use
No
User AUX File
Add record
Project AUX file
Add record
Message to Client (Project Opened) M_S_C_1
Message from Server (Project Opened)
On acknowledgement
No action