GUI_ProjectAdmin – Administer a Project

Revision History

2018-06-25	Don Ferguson	Initial creation
2018-06-27	Rod Thompson	Edit; Add PROCESS FLOW CHART; Add graphics
2018-06-28	Rod Thompson	Revise graphics; Amend 'Output' icon operations; Add REQUIRED SERVICES – Dependencies; Add text version of Warning Message; Add Note in SCOPE; Add Server Message; Add EVENT ACTIONS
2018-06-30	Rod Thompson	Additions to REQUIRED SERVICES
2018-07-02	Don Ferguson	Added Fileset info; 2nd Warning message
2018-10-13	Rod Thompson	Remove Configuration; LOOK & FEEL, Graphics, WINDOW INTERACTION MAP; Revise REQUIRED SERVICES; Add Location/Size information; Add Window adjustment to EVENT ACTIONS; Add LOGGING section
2018-12-06	Rod Thompson	Amend LOGGING
2019-04-07	Rod Thompson	REQUIRED SERVICES – Add 05.31 GUI_Output
2019-04-08	Don Ferguson	Replace mockup1 with actual screen shot; Edited text to match actual functions; Update 03.6x references to 05.8x (with notes of changes required in graphics)
2020-03-03	Don Ferguson	Align with actual code (Build 19)

SCOPE

This GUI module is called from the Main Menu, menu item Tools -> Administration - > Edit Users and Rights for the administration of User entries in a shared HRE project database and associated Auxiliary files.

If this is a local usage of HRE where project files are only used from the same computer then the functions of this section of the GUI are of little relevance, unless the User is intending to update a project's user entries in preparation for sending the database file to another user.

A remote server's administrator will receive information from a prospective user (name and email) and will provide information back to them (the server's username/password) when they are to be provided with new access to a project.

PROJECT FILESET

A set of files required for normal use of HRE projects consists of:

- an H2 database
- A 'User' Auxiliary file
- Appropriate log files
- folders of external files (images, etc) [optional].

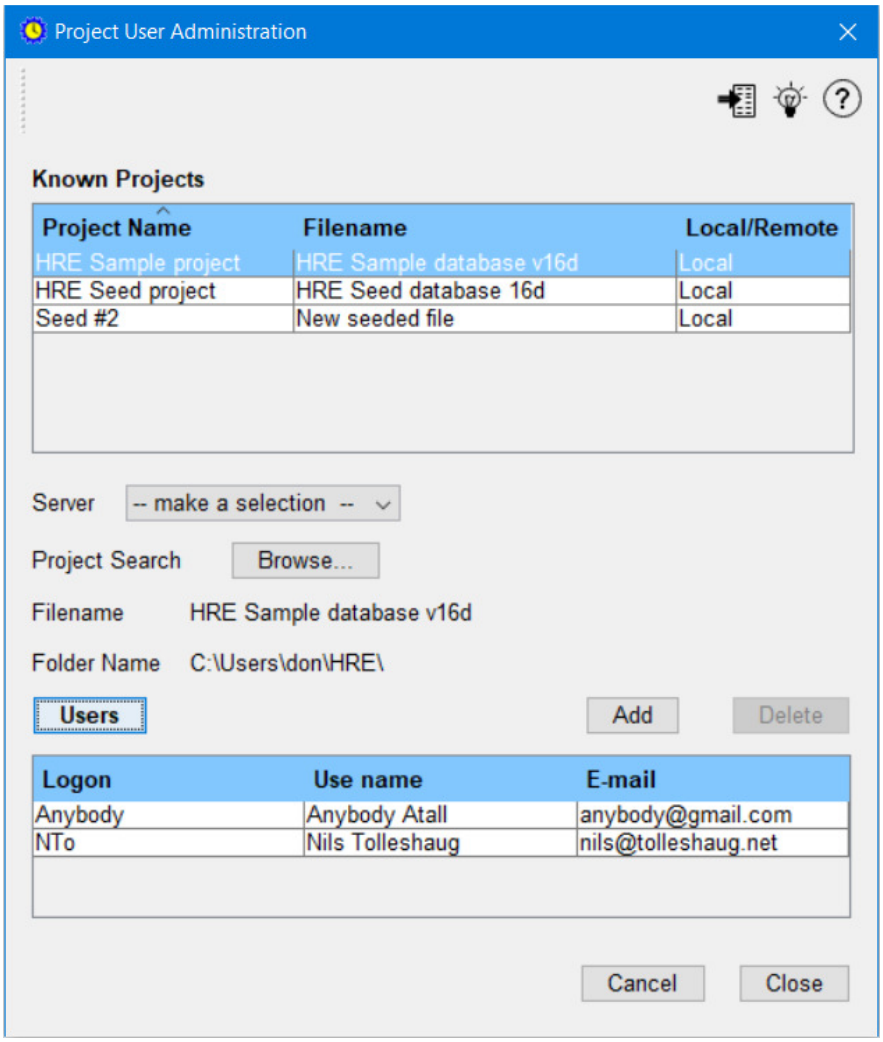
Refer to *03.32 Overview – Auxiliary (Non Database) Files* for details.

LOOK AND FEEL

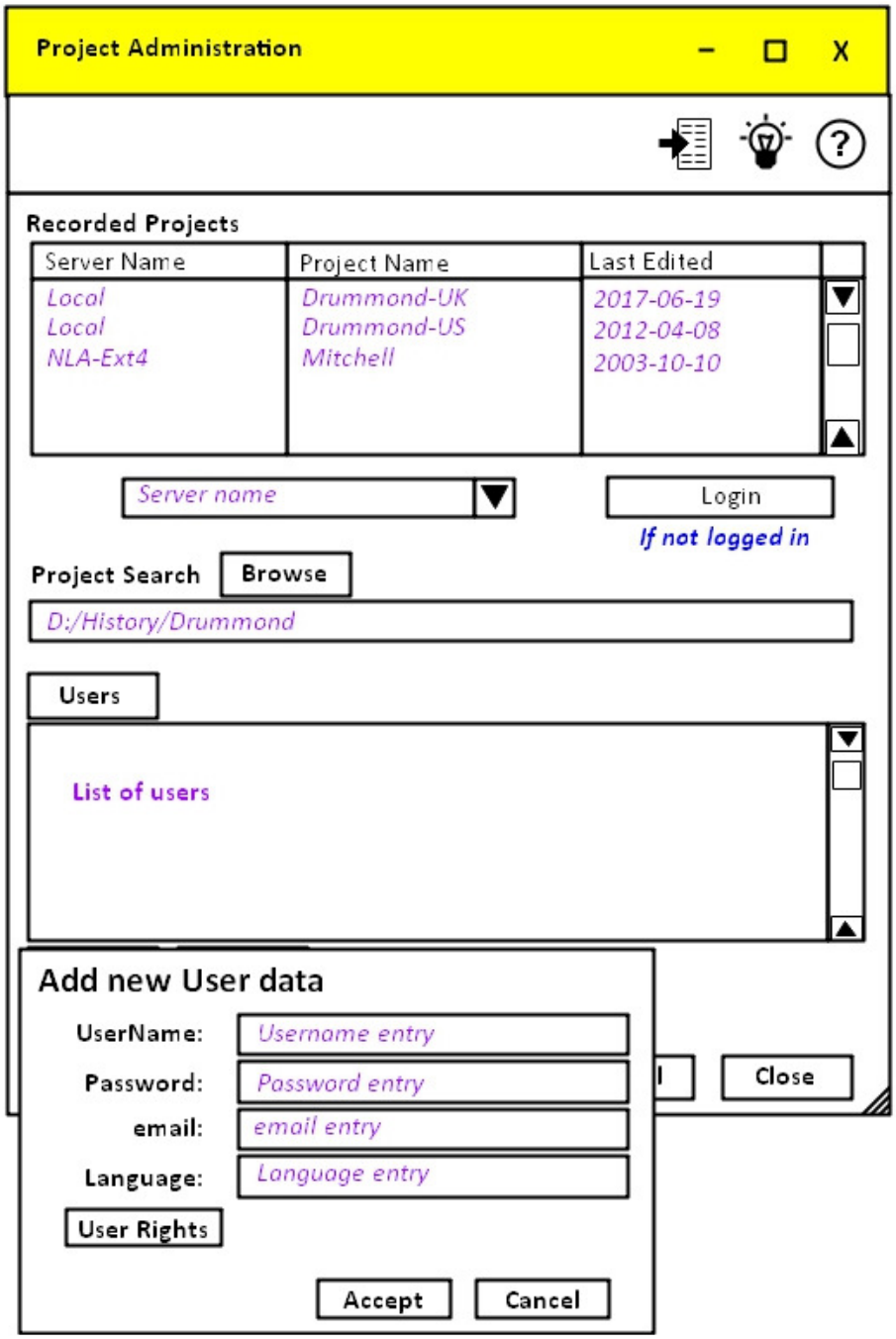
The window has several parts:

- The upper right icon buttons provide the following universal features:
  - the 'Output' icon enables Output of the Known Projects list by sending the contents of the table to a file or to a printer, OR the User list (depending on the point of use of the Output icon)
  - the 'Reminder' icon displays the Reminder content for this window
  - the 'Help' icon displays context Help about the use of this window.

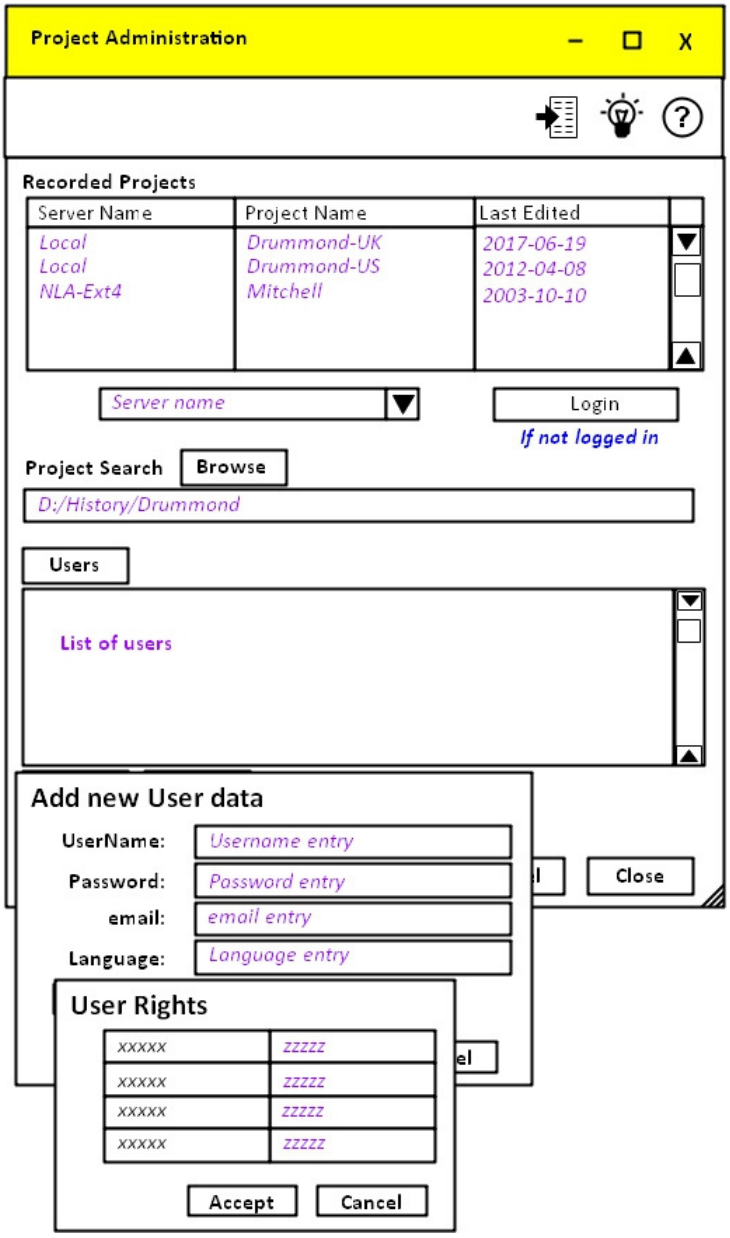
- The “Server” selection list allows selection from various servers known to this installation of HRE. On selection of a Server, the “Login” button allows the user to access that server (if the user is already logged into that server the “Login” button will be hidden)
- The Project “Browse” button allows the user to search for and find another project to be selected
- The “Users” button opens the user information in the chosen project and displays a list of Users from it
- The “Add” button initiates the addition of the chosen User to the Project database – this will require a further GUI screen for input of Username, password, email, language and User rights
- The “Delete” button initiates the deletion of the chosen User from the Project database
- The “Cancel” button forces exit without a User change action
  This may involve ‘Undo’ action.



PROJECT ADMIN Window

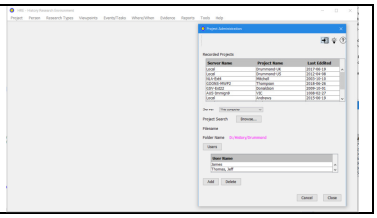


Draft PROJECT ADMIN Window – Mockup 2



Draft PROJECT ADMIN Window – Mockup 3

NOTE: At this point it is considered likely that the complexity of 'User Rights' entries will require the use of a call to another module (with a new window).

Shape, Size, Color, Layout etc. determined in design. On screen location Initially inherited from the HRE main display Window placed under initiating Tools menu item Window resize as necessary as panels are added On screen location and scale are the only User changeable settings	

ACTIONS

The fundamental operations are:

1. Open the window
2. display the project list
3. Allow User to select a Project for administrative attention
4. Allow this User to Add a new user (with defined access rights etc)
5. Allow this User to Delete a defined User
6. For additions, send an email to the new User advising them that they now have access to this project
7. For deletions, send an email to the deleted User, warning them that their access to this project has been removed
8. Operation of the Output icon works on the Known Projects list.

USED BY

HRE database administrators.

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
05.14 GUI_Help	
05.31 GUI_Output	05.77 GUI_FileChooser
05.77 GUI_FileChooser	

APPLICATION PROGRAMMING INTERFACE (API)

1. Single call with no parameters.

LOGGING

Use of this module will create log entries.

Commit Logging occurs for each of the following functions – in the listed tables:

Function	Database Table
Move and/or resize window	305/306?

General Log
This includes:

- Project selection
- Update User AUX file
- Server Login (if applicable)
- Record of User added to or deleted from Project
- Record of email sent to User (addition or deletion).

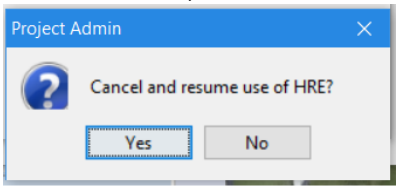
EVENT ACTIONS

1) Keyboard actions
   Data entry for a New User addition.
   Includes Username, Password, email address, Language and User Rights
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. Mouse key click on Server type pulldown expands type list, and allows selection
   b. Mouse key click on a Project Name, causes the project folder name to be shown in the text box
   c. Mouse key click on each button, operates the button
   d. 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. Left mouse key click on the 'Output' icon:
      (opens the 'Output' window for output to File or Printer)
      Refer to ACTIONS for more information
   c. left mouse key click on 'Reminder' icon:
      (opens 'Reminder' window for this 'ProjectAdmin' window)
   d. left mouse key click on the 'Configuration' icon
      (opens the Configuration Window for this 'ProjectAdmin' window)
   e. left mouse click on 'Help ' icon:
      (opens the Help System, searches for the section on 'ProjectAdmin')
4) Keyboard shortcuts
   To be determined

WARNING CONDITIONS

1. When the ‘Cancel’ button is used, then a confirmation message is displayed.



2.

Press YES to return to the HRE Main Menu.
Press NO to proceed with the Cancel process, which closes this window

Location: centred on the ProjectAdmin Cancel button.

3. When the ‘Delete’ button is used, then a warning message is displayed if the User is present in the project file but not the AUX file, or vice-versa.
Warning Message (WM-PA1)

ERROR CONDITIONS

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

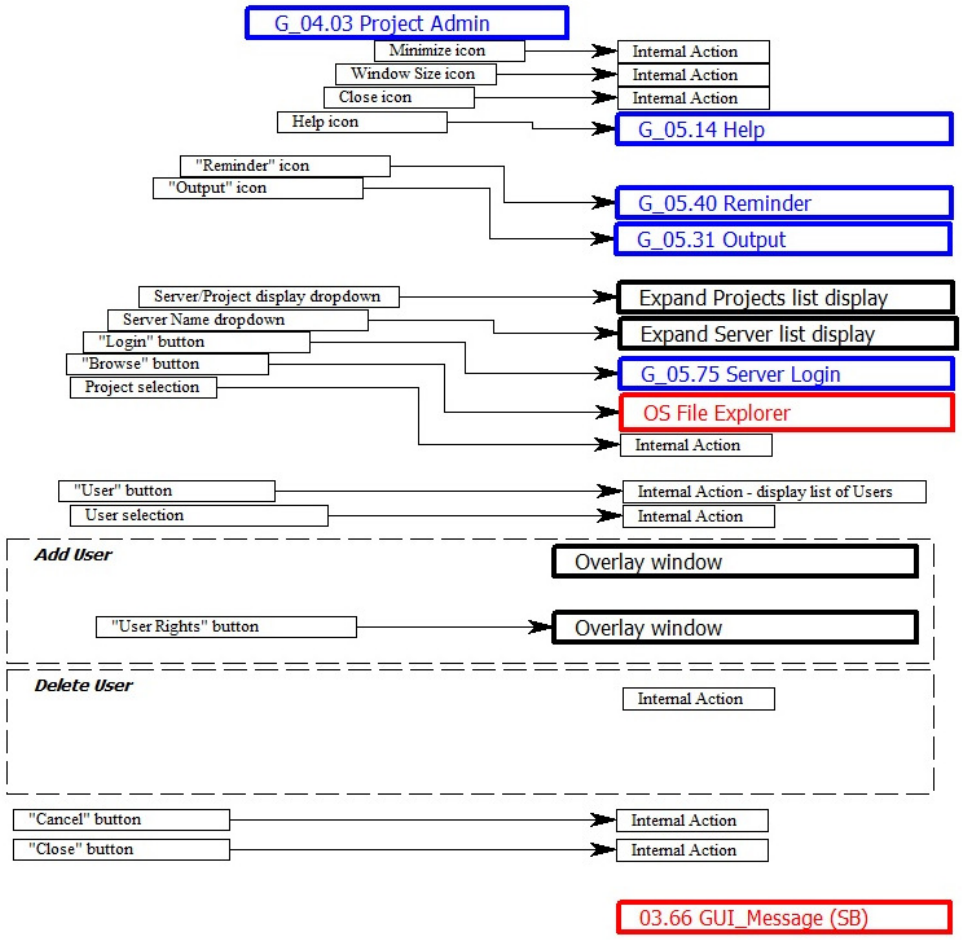
MESSAGES

Created in and sent from Server to Client

Message M_S_C_1 Uses Server Broadcast Message Pattern GUI_Message (SB) Sent to each Users whose access to a Project is ‘removed’	Subject: Project Access From: Server Text Message: User access to this project has been removed. Requested by: User name (administrator) Server name: Server Project name: Project name User name: User name (recipient)

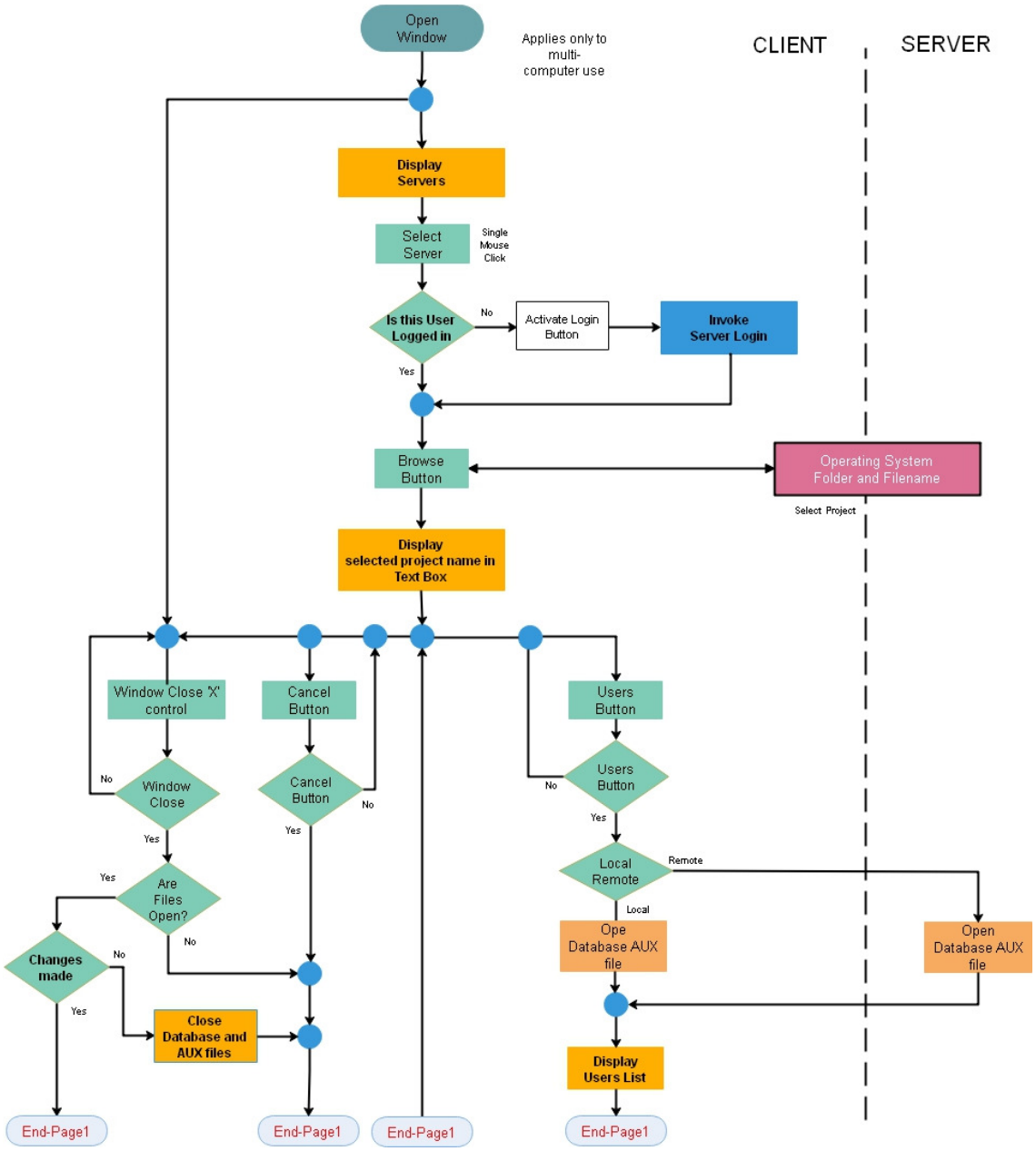
Location: Centered on the Users HRE main window

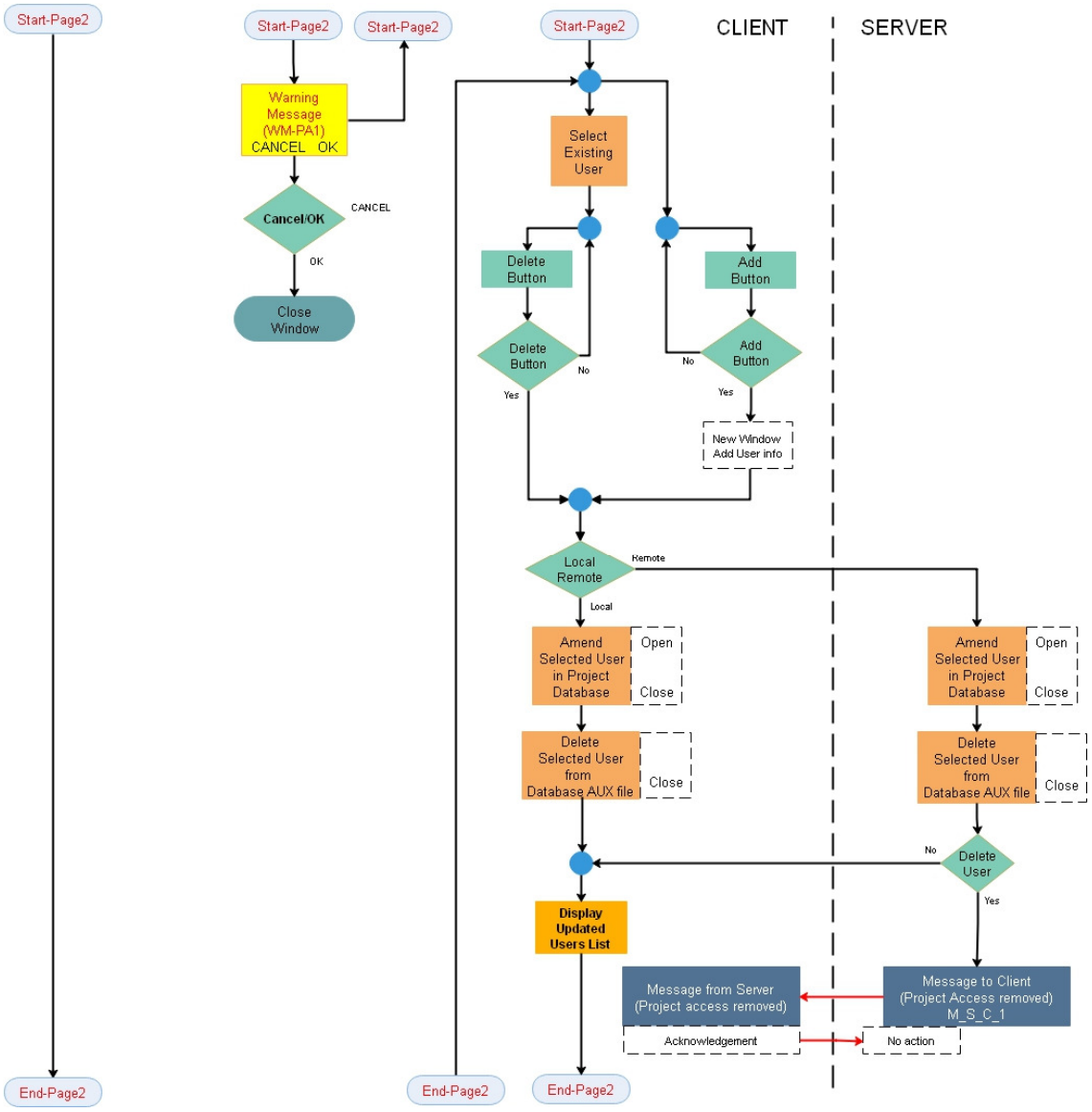
WINDOW INTERACTION MAP

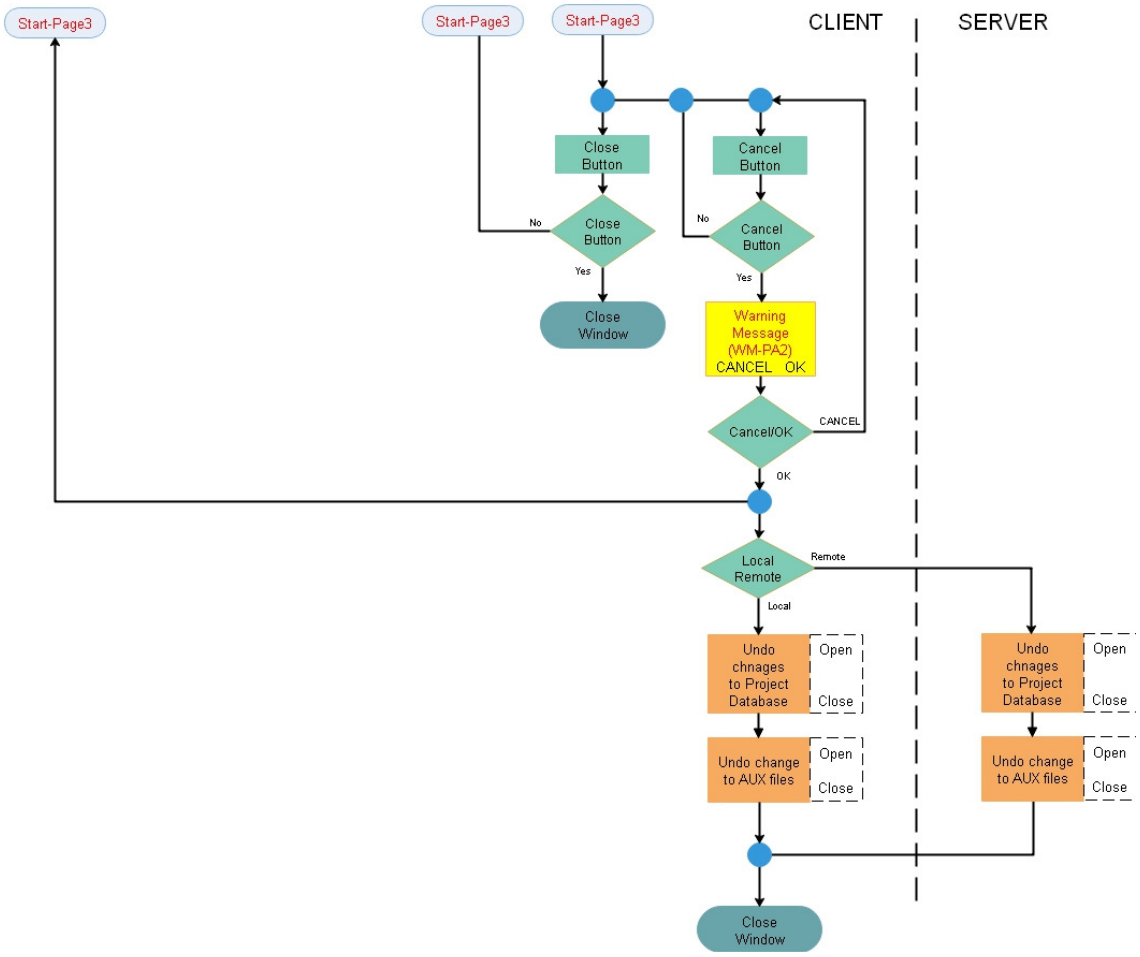
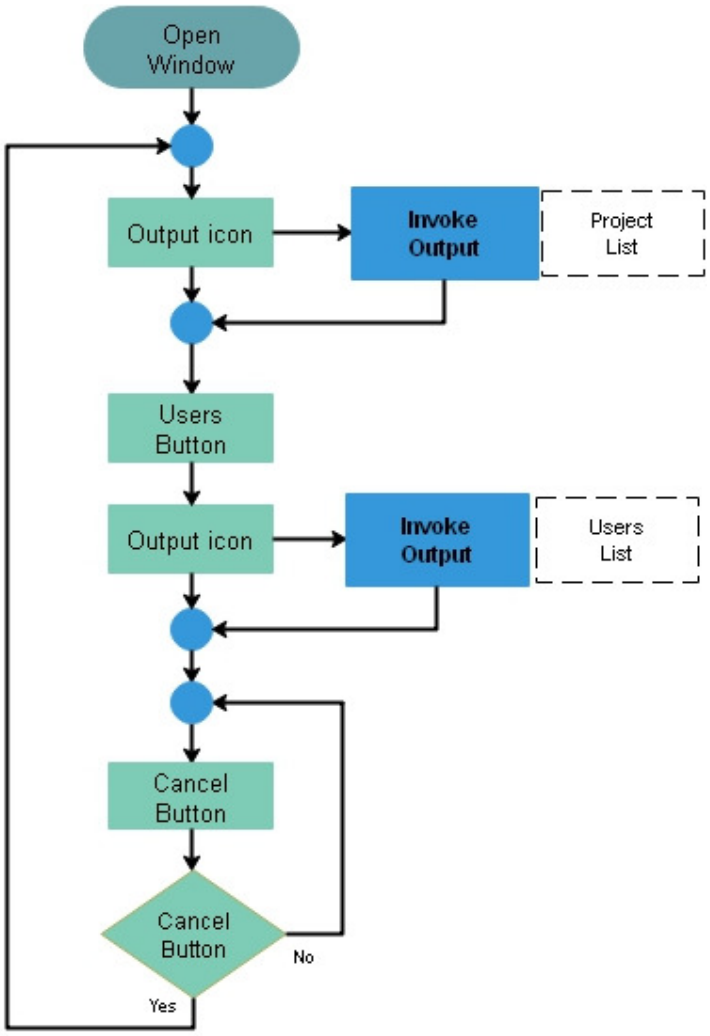


NB: above map requires change of 03.66 to 05.87

PROCESS FLOW CHART




Start-Page2
End-Page2
Start-Page2
Warning Message (WM-PA1) CANCEL OK
Cancel/OK
CANCEL
OK
Close Window
Start-Page2
End-Page2
Start-Page2
CLIENT
SERVER
Select Existing User
Delete Button
Delete Button
No
Yes
Add Button
Add Button
No
Yes
New Window Add User info
Local Remote
Remote
Local
Amend Selected User in Project Database
Open
Close
Delete Selected User from Database AUX file
Close
Amend Selected User in Project Database
Open
Close
Delete Selected User from Database AUX file
Close
No
Delete User
Yes
Display Updated Users List
Message from Server (Project access removed)
Message to Client (Project Access removed) M_S_C_1
Acknowledgement
No action
End-Page2
End-Page2


Start-Page3
Start-Page3
Start-Page3
CLIENT
SERVER
Close Button
Cancel Button
No
Close Button
No
Cancel Button
Yes
Yes
Close Window
Warning Message (WM-PA2) CANCEL OK
Cancel/OK
CANCEL
OK
Local Remote
Remote
Local
Undo chnages to Project Database
Open
Close
Undo change to AUX files
Open
Close
Undo chnages to Project Database
Open
Close
Undo change to AUX files
Open
Close
Close Window

Output Process