

## 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; 2 <sup>nd</sup> Warning message
2018-10-13	Rod Thompson	Remove Configuration LOOK & FEEL, Graphics, WINDOW INTERACTION MAP Revise REQUIRED SERVICES – Remove 03.68 Add Location/Size information Add Window adjustment to EVENT ACTIONS Add LOGGING section
2018-12-06	Rod Thompson	Amend LOGGING

### SCOPE

This GUI module is called from the Main Menu (GUI\_UserInterface) for the administration of User entries in the HRE project database and associated JSON Auxiliary files.

### 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.

Note: A Server administrator will provide information (Username and password) to Users when they are to be provided with new access to a project.

### LOOK AND FEEL

The window has several parts:

- The upper right icon buttons provide the following universal features:
  - the 'Output' icon enables Output of
    - Recorded Projects list by sending the contents of the Recent Projects tabular display, or
    - Users of a Project by sending the contents of the Users tabular display; to a file or to a printer.
  - 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).

NB: If this is a local usage of HRE where project files are only used from the same computer then the functions of this GUI are meaningless

- The Project “Browse” button allows the user to select the project to be selected
- The “Users” button opens the JSON AUX file associated with the chosen project and displays a list of Users from it
- The “Add” button initiates the addition of the chosen User to the project’s Database AUX file and to the project H2 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’s Database AUX file and from the project H2 database
- The “Cancel” button forces exit without a User change action  
This may involve ‘Undo’ action.

**Project Administration**

Recorded Projects

Server Name	Project Name	Last Edited
Local	Drummond-UK	2017-06-19
Local	Drummond-US	2012-04-08
NLA-Ext4	Mitchell	2003-10-10

Server name

Login

*If not logged in*

Project Search

Users

List of users

PROJECT ADMIN Window – Mockup 1

Project Administration

X

Recorded Projects

Server Name	Project Name	Last Edited	
Local	Drummond-UK	2017-06-19	▼
Local	Drummond-US	2012-04-08	□
NLA-Ext4	Mitchell	2003-10-10	▲

Server name ▼

Login

If not logged in

Project Search

Browse

D:/History/Drummond

Users

List of users

Add new User data

UserName: Username entry

Password: Password entry

email: email entry

Language: Language entry

User Rights

Accept

Cancel

Close

PROJECT ADMIN Window – Mockup 2

**Project Administration** [Minimize] [Maximize] [Close]

[Add] [Help] [Info]

**Recorded Projects**

Server Name	Project Name	Last Edited
Local	Drummond-UK	2017-06-19
Local	Drummond-US	2012-04-08
NLA-Ext4	Mitchell	2003-10-10

Server name [Dropdown] [Login] *If not logged in*

**Project Search** [Browse] [D:/History/Drummond]

**Users**

List of users [List Box]

**Add new User data**

UserName: [Username entry]  
 Password: [Password entry]  
 email: [email entry]  
 Language: [Language entry]

[Close]

**User Rights**

XXXXX	ZZZZZ
XXXXX	ZZZZZ
XXXXX	ZZZZZ
XXXXX	ZZZZZ

[Accept] [Cancel]

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.

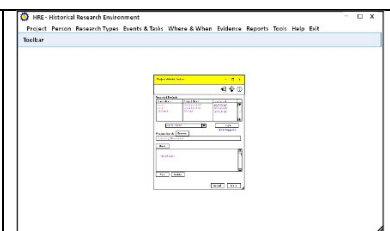
On screen location

Initially inherited from the HRE main display

Window centered

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 according to its saved window Layout (BR\_WindowConfig)
2. Open the User's AUX file and display the project list
3. Allow User to select a Project for administrative attention
4. Open that project's Database AUX file and its associated H2 Database/project file
5. Allow this User to Add a new user (with defined access rights etc)
6. Allow this User to Delete a defined User
7. For additions, send an email to the new User advising them that they now have access to this project
8. For deletions, send an email to the deleted User, warning them that their access to this project has been removed
9. Operation of the Output icon is determined by actions in the usage process.
  - at window open, 'Output' works on the Recorded Projects list;
  - after use of the 'Users' button, 'Output' works on the Users list;
  - after use of the 'Cancel' button, 'Output' works on the 'Recorded 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	Higher-Order Dependencies
07.17 BR_WindowConfig	07.06 BR_GuiElement	07.01 BR_EncodedString
		07.02 BR_EntityLink
		BR_FieldTranslation
		07.16 BR_MessagePattern
	07.02 BR_EntityLink	Needed
	07.29 BR_Translation	07.02 BR_EntityLink
		BR_Field
		07.06 BR_GUIElement
		07.16 BR_MessagePatterns
	07.03 BR_FieldDefinition	Needed
05.14 GUI_Help	03.68 GUI_Select Configuration	
	07.24 BR_Setting	
	07.11 BR_Logging	07.01 BR_EncodedString
		07.02 BR_EntityLink
		BR_FieldTranslation
		07.26 BR_Substitution
	07.07 BR_Help	07.29 BR_Translation
		07.21 BR_Project
		07.01 BR_EncodedString
		07.24 BR_Setting
		07.11 BR_Logging
		07.02 BR_EntityLink

## 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
- Sever 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/Project name pulldown expands Server/Project list, and allows selection
- b. Mouse key click on a Project Name, causes the project name to be shown in the text box, and enables the Summary button
- 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

May involve 'undoing' changes to the project database and Auxiliary files

- b. 'Box' icon

Toggles the window size between full screen, and the saved Layout

- 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

- b. Left mouse key click on the 'Output' icon:

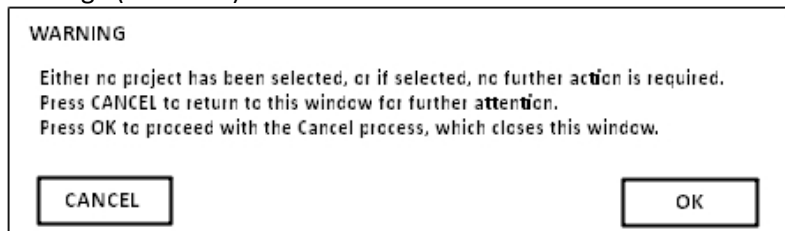
(opens the 'Output' window for output to File or Printer)

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

- When the 'Cancel' button is used, then a warning message is displayed.  
Warning Message (WM-PA1)



### 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

Location: Centred on the ProjectAdmin window.

- 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-PA2)

## ERROR CONDITIONS

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

## MESSAGES

Created in and sent from Server to Client

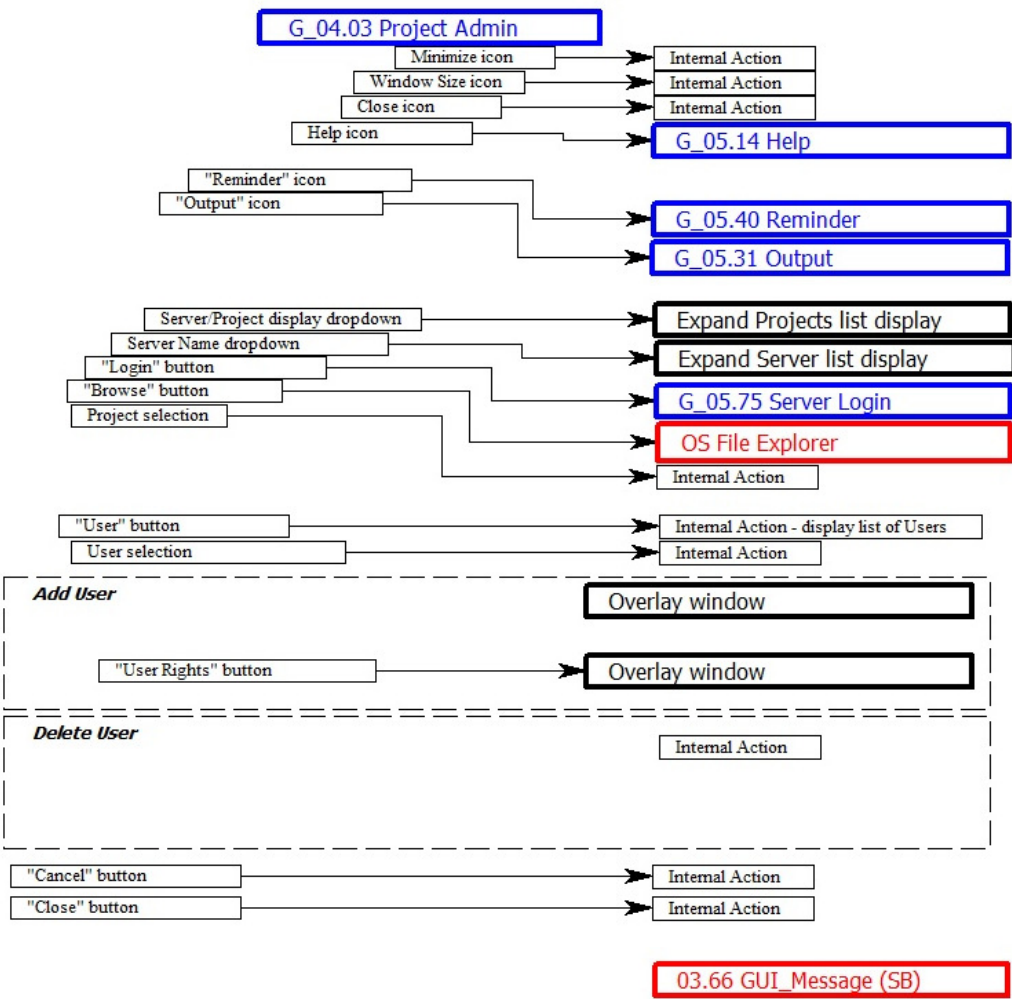
Message M_S_C_1  Uses Server Broadcast Message Pattern GUI_Message (SB)  Sent to each Users whose access to a Project is 'removed'	Subject: Project Access From: Server Text Message: <b>User access to this project has been removed.</b>  Requested by: User name (administrator) Server name: Server Project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

Location: Centered on the Users HRE main window

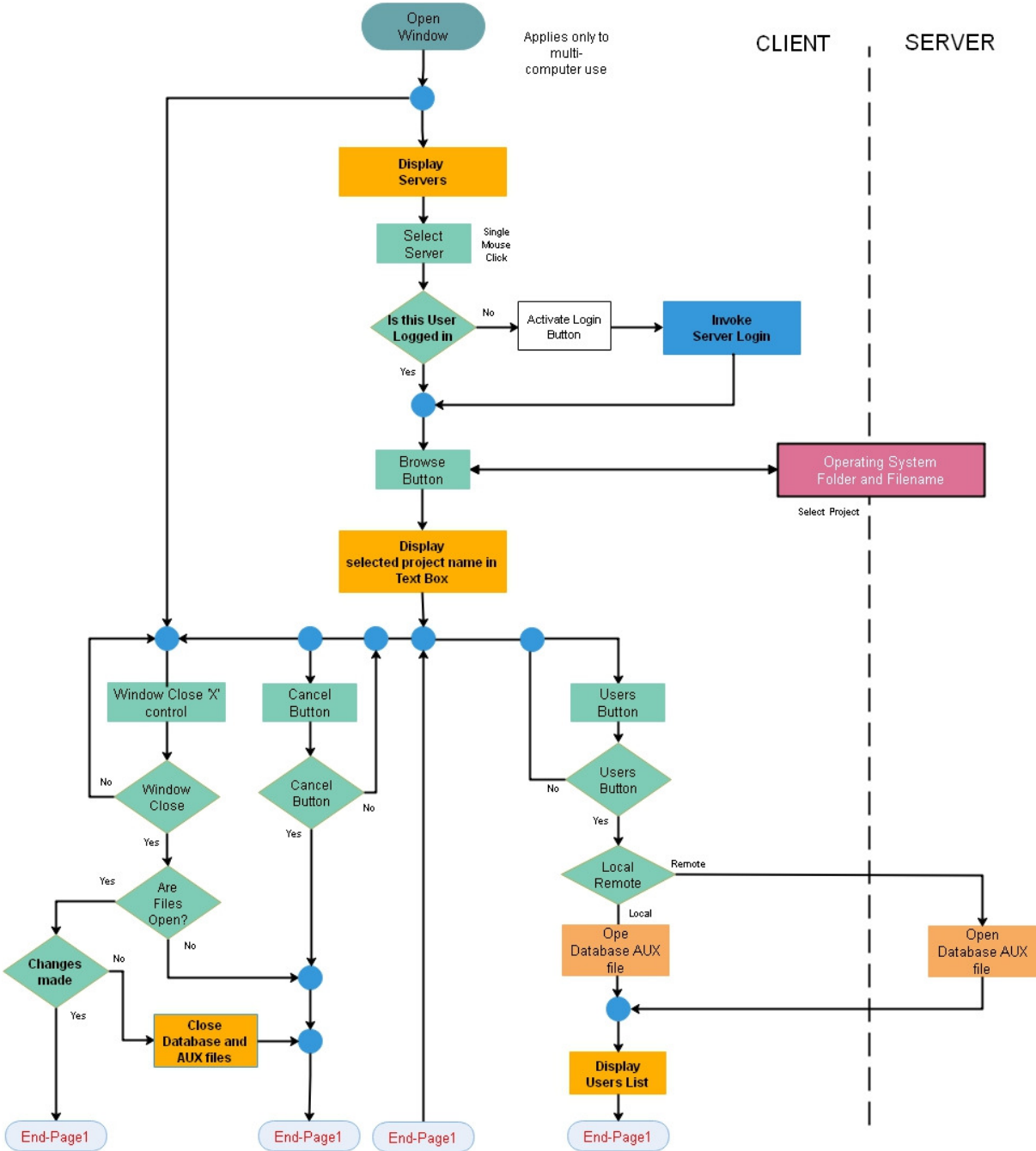


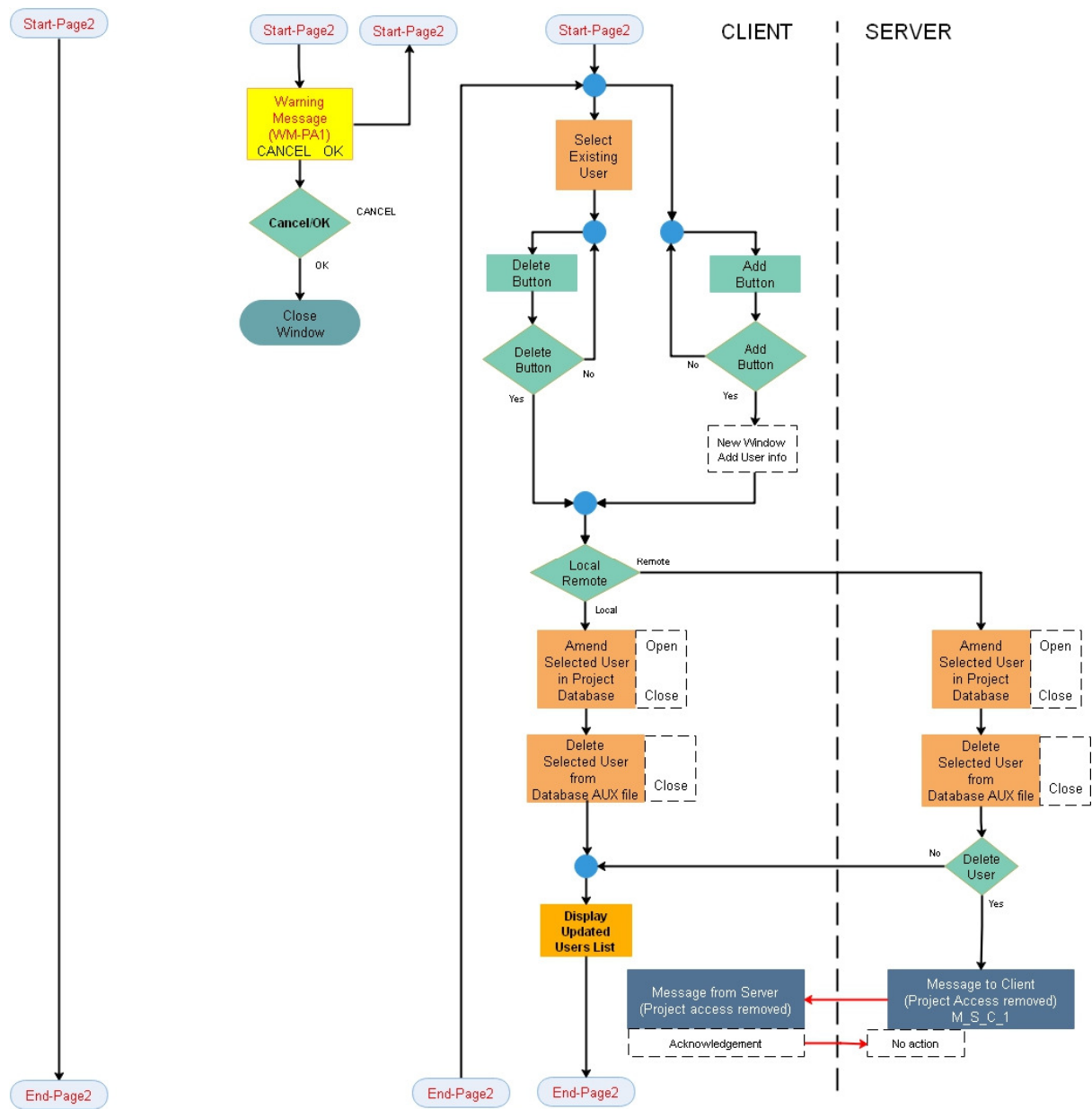


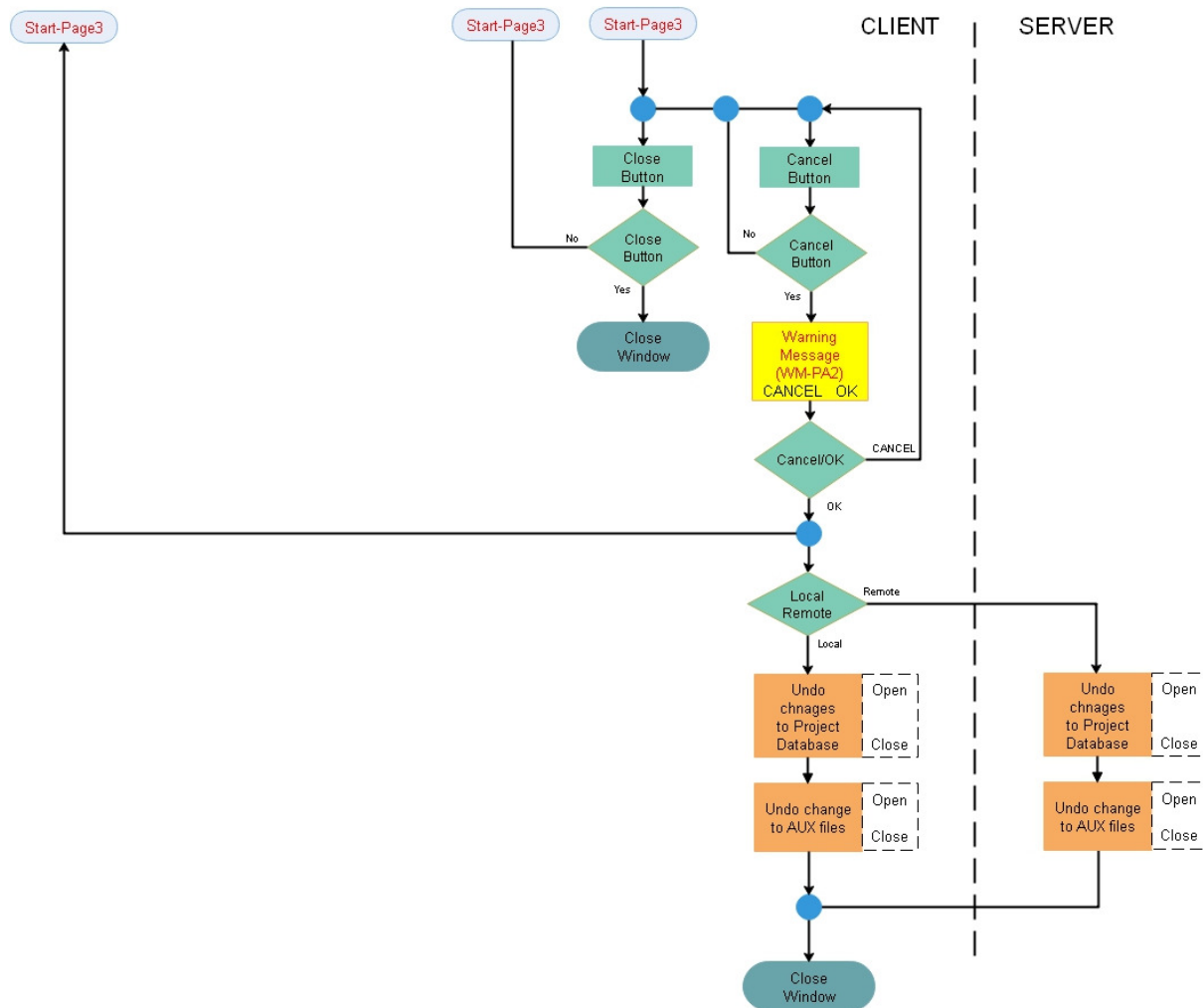
WINDOW INTERACTION MAP



PROCESS FLOW CHART







## Output Process

