GUI_ProjectCopyAs – Copy a Project

Revision History

2017-06-21	Robin Lamacraft	Initial creation
2018-06-13	Rod Thompson	Edit Replace 'screen' with 'window' Revise LOOK & FEEL – icons Replace BR_PanelConfig with BR_WindowConfig Amend REQUIRED SERVICES – Dependencies Add JL Issue notes and Fileset information Add Process Flow Chart Add Windows Interaction Map Add EVENT ACTIONS Add WARNING MESSAGES

SCOPE

This GUI module is called from the Main Menu (GUI_UserInterface) to copy an existing project as a new HRE project.

Issues to be resolved:

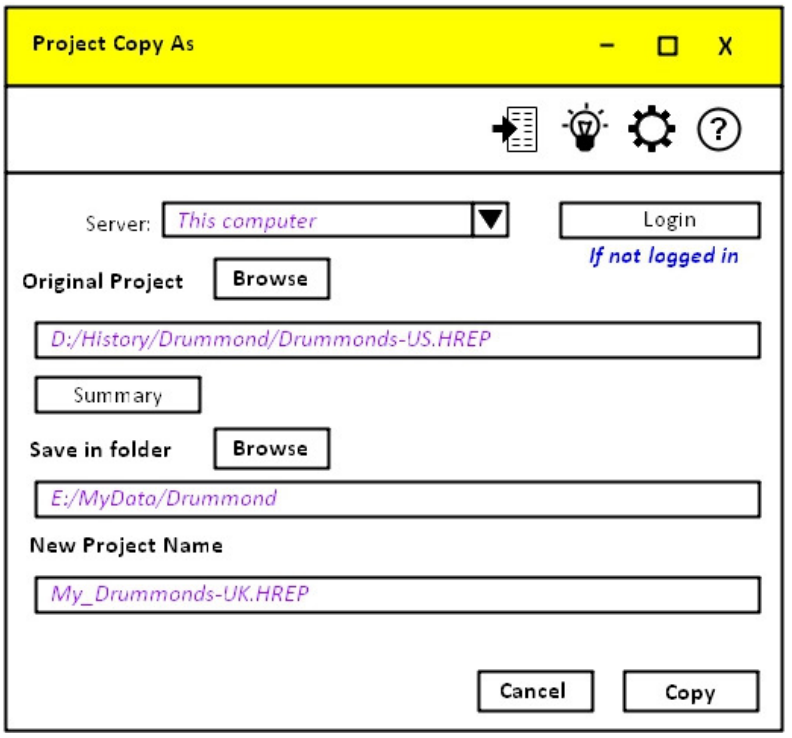
- At this time – it is assumed that the project fileset consists of:
  - an XML or JSON type file
  - an H2 database
  - optionally external files (such as images).
- It is assumed that there is no action involving External files linked to the Project.
- Should this function also allow for copy of a 'seed' (empty) database for use in a project?
- Considering all the possible copy operations (local-local, local-remote, remote-remote, remote-local), they do not all appear to be addressed in this design
  Remote server access in a copy operation (of the three possible copy operations involving servers) raises issues of authorization and privilege. Granting a user READ access is not the same as granting them COPY access.

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 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
- 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 Original Project “Browse” button allows the user to select the project file to be copied
- The “Summary” button opens the GUI_ProjectSummary module to display the details of the selected project
- The Save in Folder “Browse” button allows the user to select the folder where the copy of the project will be stored. The new name of the project is entered below the folder path
- The “Copy” button initiates the copy of the chosen project to the new location and filename
- The “Cancel” button forces exit without action.



PROJECT COPYAS Window - Mockup

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 copied
3. Allow the user to select a name and location (local or named server) for the project copy
4. If the input file is in use, then:
   - prevent any new logins
   - queue action for later time.
5. When the task can be performed, copy the project
6. Notify the user(s) when it is completed.

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)
05.31 GUI_Output	NIL	
05.40 GUI_Reminder	NIL	
03.68 GUI_Select Configuration	NIL	
05.14 GUI_Help	03.68 GUI_Select Configuration 07.24 BR_Setting 07.17 BR_WindowConfig 07.11 BR_Logging 07.07 BR_Help 07.02 BR_EntityLinnk	
07.17 BR_WindowConfig	07.06 BR_GuiElement 07.02 BR_EntityLink 07.29 BR_Translation 07.16 BR_Message Patterns	
07.21 BR_Project	07.06 BR_GuiElement 07.02 BR_EntityLink 07.29 BR_Translation 07.03 BR_FieldDefinition	
07.16 BR_File	07.16 BR_MessagePatterns 07.21 BR_Project 07.24 BR_Setting 07.11 BR_Logging 07.25 BR_Schema 08.01 BCS_Bridge	

APPLICATION PROGRAMMING INTERFACE (API)

1. Single call with no parameters.

EVENT ACTIONS

1) Keyboard actions
   NIL
2) Mouse actions
   Left key
   a. click on Server name pulldown expands Server list, and allows selection
   b. click on the Browse button(s) 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 'Copy' button, operates the button
   e. click on icons (detailed below)

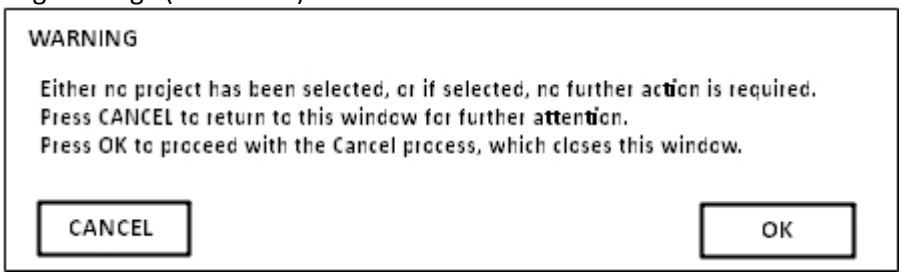
   Right key
   To be determined
3) Icon actions
   a. left mouse key click on icons in the Window Control group:
      a. 'X' icon
         (closes the window)
      b. 'Box' icon
         Toggles the window size between full window, and the preset window size
      c. 'Dash' icon
         Minimizes the 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:
      (invokes the GUI_Output module)

c. left mouse key click on ‘Reminder’ icon:
(opens ‘Reminder’ window for this ‘Project Copy’ module)
d. left mouse key click on the ‘Configuration’ icon
(opens the Configuration Window for this Project CopyAs window)
e. left mouse click on ‘Help ‘ icon:
(opens the Help System, searches for the section on ‘Project CopyAs’)

4) Keyboard shortcuts
To be determined

WARNING CONDITIONS

1. When the ‘Cancel’ button is used, then a warning message is displayed.
Warning Message (WM-PCA1)



Server scenario
Created in and sent from Server to Client

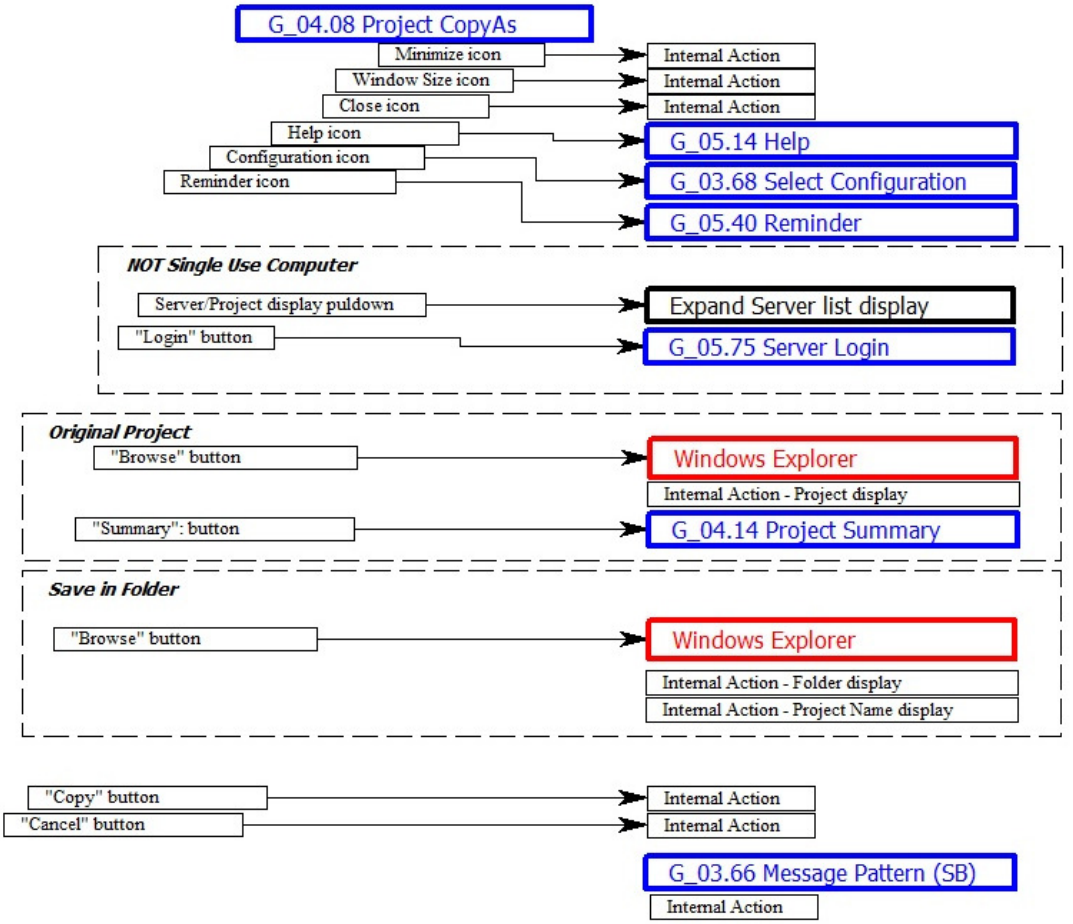
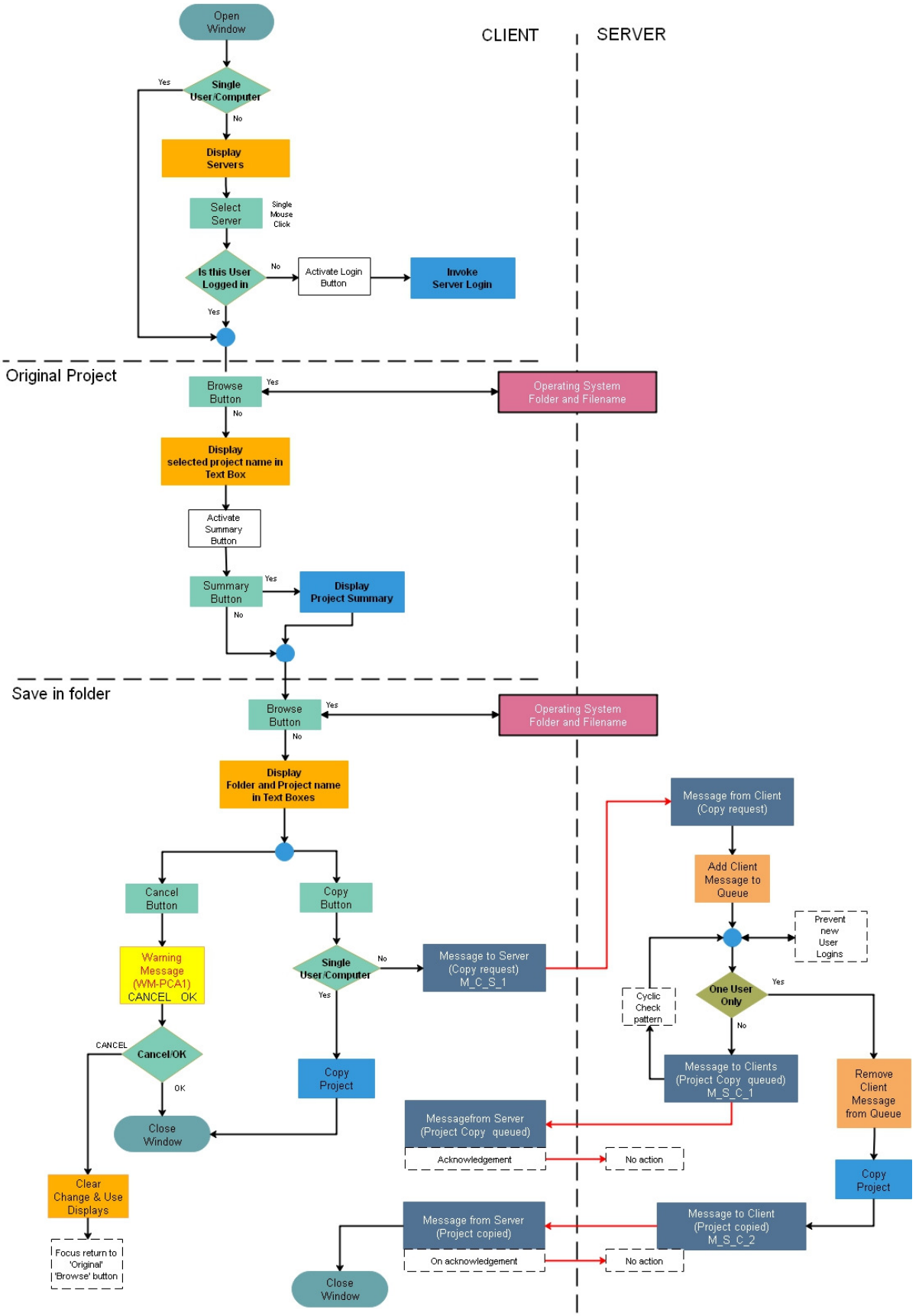
Message M_S_C_1 Uses Server Broadcast Message Pattern GUI_Message (SB) Sent to all Users of the selected project	Subject: Project Rename From: Server Text Message: Project copy queued – multiple users. Requested by: User name Project name: Project name to Project name Project folder: Folder name to Folder name Project filename: Filename to Filename
Message M_S_C_2 Uses Server Broadcast Message Pattern GUI_Message (SB) Sent to one Client initiating the process	Subject: Project Rename From: Server Text Message: Project copy completed. Requested by: User name Project name: Project name to Project name Project folder: Folder name to Folder name Project filename: Filename to Filename

Message window location: centred on the GUI_ProjectCopyAs window

ERROR CONDITIONS

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

WINDOWS INTERACTION MAP



PROCESS FLOW CHART