GUI_ProjectCopyAs – Copy a Project

Revision History

2017-06-21	Robin Lamacraft	Initial creation
2019-04-12	Don Ferguson	Remove Output icon and specifications for it; Replace mockup with actual draft screen images; Renumber 03.6x module references to 05.8x
2020-02-29	Don Ferguson	Align with actual code (Build 19)
2023-07-15	Don Ferguson	Align with Build 30

SCOPE

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

DEFINITIONS

Two modes of operation are provided for in the design of HRE.

1) Single computer
2) Multi-user **shared** access

In the latter case the project database exists in a computer which is separate from those in which Users are operating. This operation requires Server software on the computer controlling access via the use of Login processes.

Issue:
1) A process is needed to check linkages between external files and the database, and where broken a means is needed to recreate the links
2) This specification assumes that the original project and the new copy are located on the same local or remote server. This limitation is accepted at this time in development.

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.

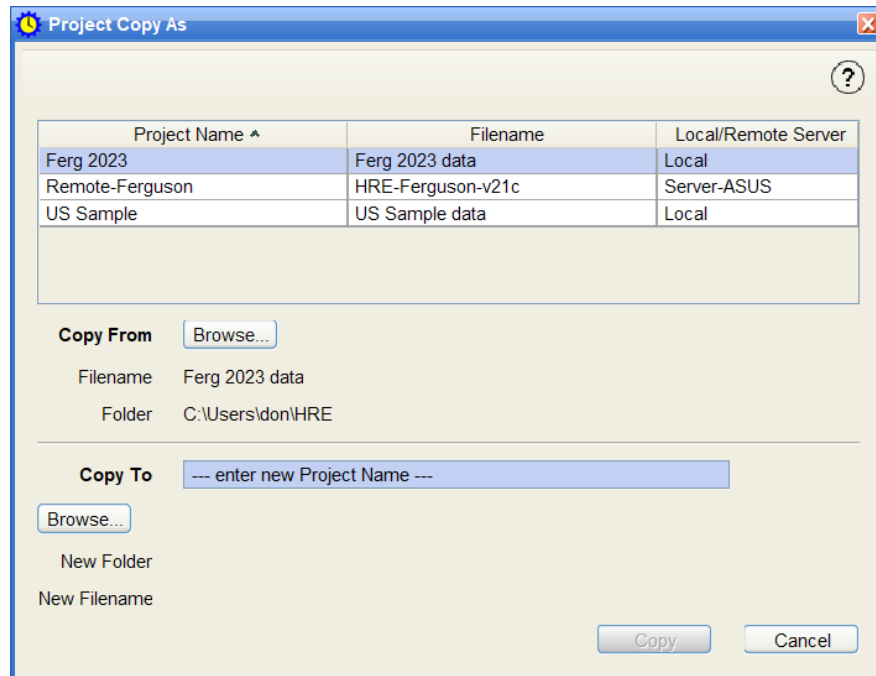## NOTES

1) In the use of this module, no action is taken involving External files linked to the project. Links included in the existing project are copied to the new project.
   If the new project is located in a different location, separate action may berequired to attend to links to External files
2) Access rights of the User may determine if creating a new database (via copy) is a valid function.
   Example: Read only access does not allowing copying a project.
         Write access to Server locations is only provided by an administrator.
3) The HRE software should reject a User action to save the project being created, from being copied to a file in the same folder as the original, with an identical filename, generating an Error Message
4) The default filename for the new project (auto entry) is identical to the filename of the project being copied.

LOOK AND FEEL

The window has several parts:

- The upper right icon buttons provide the following universal features:
  - the 'Help' icon displays context <u>Help</u> about the use of this window
- The list of known projects AND the Copy From "Browse" button allows the user to select the project file to be copied
- The Copy To "Browse" button allows the user to select the folder where the copy of the project will be stored. The new name of the project must be entered
- The "Copy" button initiates the copy of the chosen project to the new location and filename
- The "Cancel" button forces exit without action.

PROJECT COPY AS window

ACTIONS

The fundamental operations are:

1. Open the window
2. Allow the user to search for a project file (known to the User) 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 to the new filename/location
6. Adjust the UserAUX file
7. Notify User(s) of the original project when it is completed
8. If the project is located on a Shared Server, invoke the Server Login module providing the User with the option to logoff.

LOGGING

Use of this module will create log entries.

USE CASES

1) CopyAs a local project

2) CopyAs a known project on a Server
3) CopyAs an unknown project on a Server

Use Case 1

CopyAs a project on the local computer

In the GUI window, the User will select the 'This computer' entry in the Server selection box

The Browse button (Original Project) will provide access to the computer's operating system file explorer, enabling the User to identify the project database file.

This process will be rights protected, allowing access only to specific folders and projects.

A Browse button (Save in folder) will provide access to the computer's operating system file explorer, enabling the User to select a new folder in which the new project is to be copied, to define a new project name (if desired) and to enter a filename for the new project.

Use of the 'Copy' button will perform the operation.
1) Copying the project H2 database to the new folder, with the new filename
2) Open the project and amend the Project name
3) Add the new project to the UserAUX file

Use Case 2

CopyAs a known project on a Server

Same as above with the exchange of all references to the local computer to than on the selected Server. In addition, a login to the Server is required.

Use Case 3

CopyAs an unknown project on a Server

Assumption that the server is listed.

If not – the Project must first be located via Project Open.

In the GUI window, the User will select the applicable Server entry in the Server selection box

The Browse button (Original Project) will provide access to the server computer's operating system file explorer, enabling the User to identify the project database file.

This process will be rights protected, allowing access only to specific folders and projects.

A Browse button (Save in folder) will provide access to the computer's operating system file explorer, enabling the User to select a new folder in which the new project is to be copied, to define a new project name (if desired) and to enter a filename for the new project.

This process will be rights protected, allowing access only to specific folders for saving the new project.

Operations as defined in User Case 1 above