GUI_FileChooser

Revision history

2019-03-05	Don Ferguson	Original draft
2019-03-11	Don Ferguson	Expanded API section, added filename conventions
2019-04-13	Don Ferguson	Add parameters 4,5, 6
2023-07-16	Don Ferguson	Aligned with Build 30

SCOPE
This function is called by any module requiring the user to interact with the local or remote OS file services to find and/or choose a file for subsequent manipulation, such as creating a new file, opening, deleting, copying , backup and restore activities.
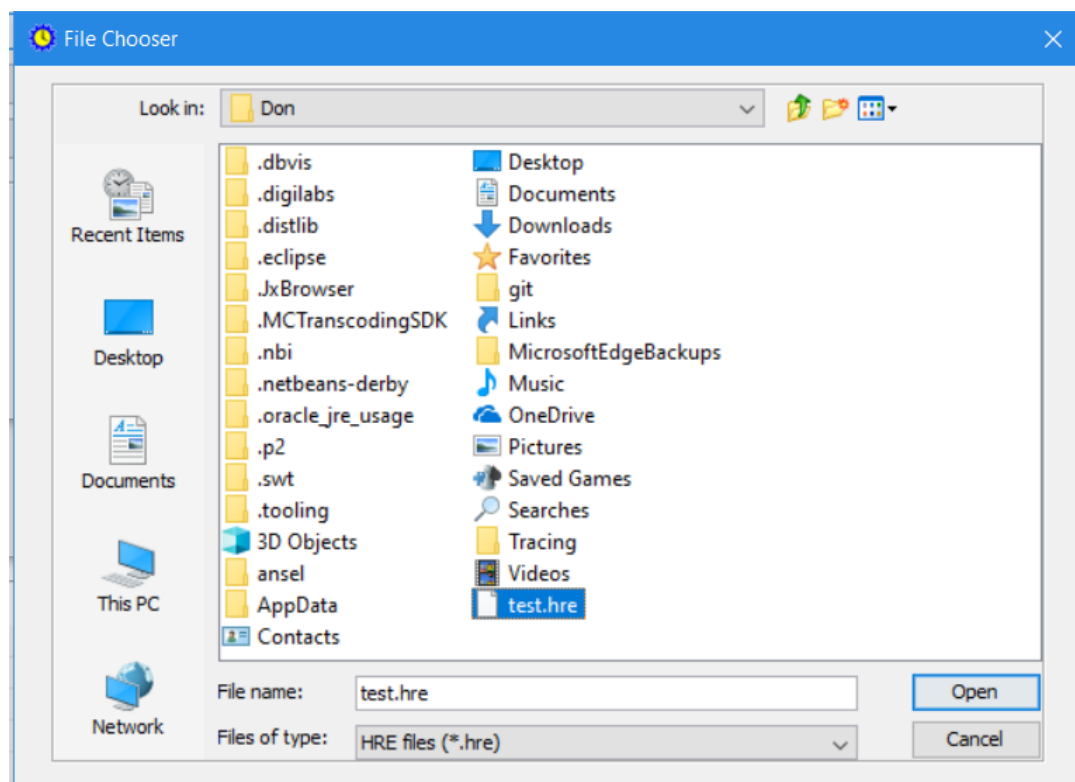
Draft FILE CHOOSER window

LOOK AND FEEL
Defined by the Java WindowBuilder FileChooser component, as above.

USED BY
All HRE users.

ACTIONS
Users may:
- Set the folder to search in
- Change the format from the default (above) to a detail list form
- Search within the file system by selecting folders from those displayed
- Choose from searching within Recent Items, Desktop, Documents, This PC or their connected network
- Enter the filename/type they wish to search for or Open, Delete, or Save.

FILE NAMING CONVENTIONS
Refer to *03.22 Overview - File Naming Conventions*.

APPLICATION PROGRAMMING INTERFACE (API)
The calling module will pass to this module the following parameters:
1. The Dialog type ("Open", "Save" or "Delete") as a String
2. The Filename type(s) (e.g, "HRE files (*.hre)") as a String
3. The filename filter (e.g., "hre") as a String
4. A filename if a default is required, as a String
5. A folder to start the search in (defaulting to the User Home directory) as a String
6. A searchmode (as Integer), where 1 = FILES_ONLY, 2 = DIRECTORIES_ONLY.

This module will return to the caller (via public fields defined in the main GUI Interface code) two string variables containing the chosen folder name and filename.

Actions for each of the calling modules are defined in the following tables:

Open type calls:

Caller:	04.06 Project Restore	04.08 Project Copy	04.02 Project Open
Purpose:	Find place where HRE Project backup files exist	Find place where Project file exists	Find place where Project file exists
File type:	*.hrez	*.hre	*.hre
Return:	Current filename and folder name	Current filename and folder name	Current filename and folder name
Purpose:	Find place where zipped External files exist (assume will be unzipped by BR code)		
File type:	*.zip		
Return:	Current filename and folder name		

Save type calls:

Caller:	04.06 Project Restore	04.08 Project Copy	04.04 Project New
Purpose:	Set place to put new file	Set place to put new file	Set place to put new file
File type:	*.hre	*.hre	*.hre
Return:	New filename and folder name	New filename and folder name	New filename and folder name
Purpose:	Set place to put restored External files (assume will be unzipped by BR code)		
File type:	*.zip		
Return:	New folder name		

Delete type calls:

Caller	04.10 Project Delete
Purpose:	Find place where file exists
File type:	*.hre
Return:	Current filename and folder name