

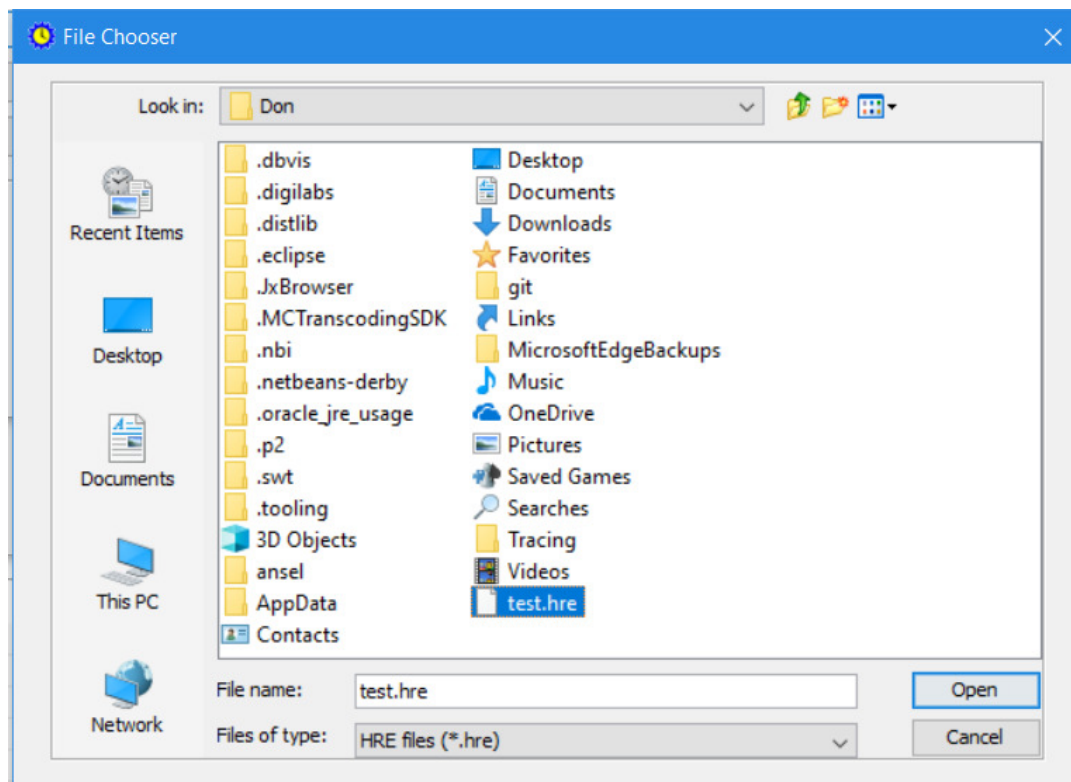
GUI_FileChooser

Revision history

2019-03-05	Don Ferguson	Original draft
2019-03-11	Don Ferguson	Expanded API section, added filename conventions

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 and restoring activities.



File Chooser GUI screen – Mockup

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

HRE filenames/types are built around the following conventions:

- *.hre an HRE Project file
- *.hreu an HRE User Auxiliary file
- *.hrep an HRE Project Auxiliary file
- *.hrez an HRE backup (zipped) Project file
- *.zip any external file of zipped data.

User auxiliary files are expected to be of the form 'username.hreu'.

Project and Project auxiliary files should have the same prefix, i.e, only the filetype distinguishes them.

DATA CONTROLLED BY THIS MODULE

Any HRE file.

REQUIRED DATA CONTROLLED BY OTHER MODULES

None.

REQUIRED SERVICES – Dependencies

First-Order Dependencies	Second-Order Dependencies	Higher-Order Dependencies
07.04 BR_Files		

APPLICATION PROGRAMMING INTERFACE (API)

The calling module will pass to this module the following data as Strings:

1. The Dialog type (Open, Save or Delete)
2. The Filename type(s) (e.g, "HRE files (*.hre)")
3. The filename filter (e.g., "hre").

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

WARNING CONDITIONS

File name error warnings may be issued by the underlying OS.

ERROR CONDITIONS

None.