GUI_UserInterface – Main Menu Overview

Revision history

2017-04-10	Don Ferguson	Original draft
2018-05-26	Rod Thompson	Add diagrams, actions, maps
2018-06-12	Rod Thompson	Replace main window graphic Update REQUIRED SERVICES – Dependencies Replace BR_PanelConfig with BR_WindowConfig
2018-06-16	Rod Thompson	Add IMPORT and EXPORT to Tools Menu Move Import from TMG from Project menu to Tools>Import Replace relevant graphics & Windows Interaction Maps
2018-06-23	Rod Thompson	Revise startup 'Splash screen' information Add graphic Add main window- top-left-corner image (application icon) Replace main window graphic Add Tools>Admin>Update Schema (from BR 07.25) Replace Tools menu graphic
2018-06-26	Rod Thompson	Add 'Exit' to main menu (LOOK AND FEEL) Replace main window graphic Replace Windows Interaction Map (main) Add Process Flow Chart Add OPERATION Add Note to SCOPE Addition to icon actions – 'X'close Add Project Close to REQUIRED SERVICES - Dependencies
2018-06-29	Don Ferguson	Add ProjectAdmin into Look and Feel list
2018-06-30	Rod Thompson	Edit Tools>Admin Delete extra Startup splash screen
2018-07-07	Rod Thompson	Delete 'Recent' from Project Menu
2018-10-10	Rod Thompson	Replace Graphics (configuration change) Add window location detail Add Viewpoint to Tools>Settings menu Amend REQUIRED SERVICES – Dependencies Add Window Size/Location change to EVENT ACTIONS Add Logging to Reports Menu Amend DATA CONTROLLED… Replace Process Flow Chart

SCOPE

This is the HRE program executable, which controls, via user action, all other HRE functions.

Note: Additional controls on accessibility are likely when access rights control is implemented.

LOOK AND FEEL

The initial window should be centred within the user's main monitor, showing the HRE main menu at the top and optionally, as per saved window configuration settings, display the HRE splash screen (logo, version, disclaimers, etc) which is also part of this module.

The main menu and sub-menu items are (currently committed for HRE versions 0.1 - 0.3 ONLY):

- Project
    - Open invokes GUI_OpenProject

    - New " GUI_ProjectNew
    - Backup " GUI_ProjectBackup
    - Restore " GUI_ProjectRestore
    - Close " GUI_ProjectClose
    - Copy As " GUI_ProjectCopyAs
    - Rename " GUI_ProjectRename
    - Delete " GUI_ProjectDelete
    - Close and Exit " GUI_ExitHRE
- Person (functionality added in v0.2)
    - Select By ID, etc invokes GUI_EntitySelect
    - Recently Used " GUI_RecentVisit
    - Manage Persons
        - Add " GUI_EntityEdit
        - Delete " GUI_EntityDelete
        - Edit " GUI_EntityEdit
    - Manage Name Style Definitions
        - Add " GUI_NameStyleEdit
        - Delete " GUI_NameStyleDelete
        - Edit " GUI_NameStyleEdit
    - Manage Person Flags
        - Add " GUI_EntityEdit
        - Delete " GUI_EntityDelete
        - Edit " GUI_EntityEdit
    - Manage Person Notepads
        - Add " GUI_EntityEdit
        - Delete " GUI_EntityDelete
        - Edit " GUI_EntityEdit
    - Manage Person Accents
        - Select " GUI_AccentSelect
        - Link to Flag " GUI_AccentLink
        - Delete " GUI_AccentDelete
        - Edit " GUI_AccentEdit
    - Associates (functionality added in v0.3)
- Research Types (functionality added later)
- Events & Tasks
    - Events (functionality added in v0.3)
    - Tasks (functionality added in v0.3)
- Where & When
    - Location
        - Select By ID, etc invokes GUI_EntitySelect
        - Recently Used " GUI_RecentVisit
        - Manage Locations
            - Add " GUI_EntityEdit
            - Delete " GUI_EntityDelete
            - Edit " GUI_EntityEdit
        - Manage Location Name Style Definitions
            - Add " GUI_NameStyleEdit
            - Delete " GUI_NameStyleDelete
            - Edit " GUI_NameStyleEdit
    - Historical Dates (needs further input once GUI_HistoricalDates developed)
        - Select By Date, etc invokes GUI_EntitySelect

        - Recently Used " GUI_RecentVisit
        - Manage Historical Dates
            - Add " GUI_EntityEdit
            - Delete " GUI_EntityDelete
            - Edit " GUI_EntityEdit
        - Tools (functionality added in v0.3)
            - Date Converter
            - Date Calculator
    - Occasions (functionality added in v0.3)
- Evidence
    - Sources (functionality added in v0.4)
    - Citations (functionality added in v0.4)
    - Repositories (functionality added in v0.4)
- Reports (functionality added in v0.6+)
    - Logging invokes GUI_Logging
- Tools
    - Settings
        - Client invokes GUI_AppSetting
        - User ditto
        - Server ditto
        - Monitor ditto
        - GUI Language ditto
        - Persons invokes GUI_ProjectSetting (added in v0.2)
        - Viewpoint invokes GUI_Viewpoint
        - Project invokes GUI_ProjectSetting
        - Location ditto
        - Events (added in v0.3)
        - Tasks (added in v0.3)
        - Occasions (added in v0.3)
        - Historical Dates invokes GUI_ProjectSetting
        - Sources (added in v0.4)
        - Source Name Styles (added in v0.4)
        - Repository (added in v0.4)
        - Repository/Source links (added in v0.4)
    - Application Language
        - Select invokes GUI_AppLanguageSelect
        - Delete " GUI_AppLanguageDelete
        - Edit " GUI_AppLanguageEdit
    - User Language
        - Select invokes GUI_UserLanguageSelect
        - Delete " GUI_UserLanguageDelete
        - Edit " GUI_UserLanguageEdit
    - Import
        - From TMG ….." GUI_ProjectImportTMG (part added in v0.1)
    - Export
    - Admin
        - Update User/Project non-database files invokes GUI_ProjectAdmin
        - Update Schema (added in v0.4)
- Help
    - Search Help invokes GUI_Help

    - HRE website (connects to www.historyresearchenvironment.org)
    - About HRE (splash screen).
- Exit

Further additions to the sub-menus will be defined in later HRE documentation updates.

OPERATION

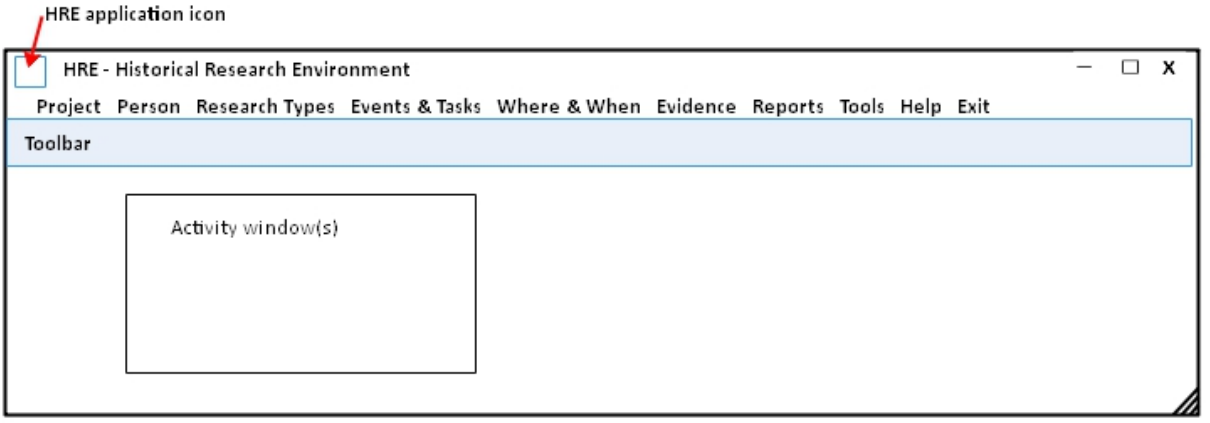
When each user of HRE opens HRE for the first time, no history of use will exist.
Accordingly, a limited number of selections from the main menu will be available.
Only the Projects, Help and Exit main menu selections are accessible, the others displayed but 'greyed-out'.
Only the **NEW** and **OPEN** sub-menu items of the Project menu shall be selectable, and others 'greyed-out' in the display

After the first time use, in which a project is opened or created by that user; on all subsequent occasions of use of HRE, the user will have access to all menu selections.

MOCKUP WINDOWS

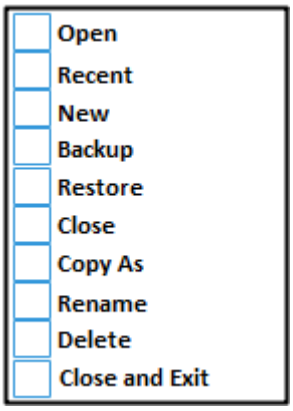
A Splash Screen used during the software startup phase.

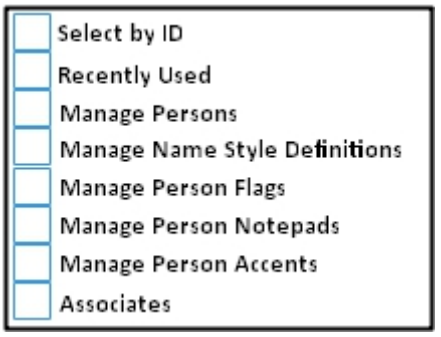
Location: Centred on main screen of User's computer.



Location: per STARTUP Viewpoint

Menu sub-windows:





Note: In the above illustrations of the menu pulldowns, the blue square indicates only the possible location of an icon. This space will otherwise be blank.
Location (for each Menu sub-window).
Footer to the relevant Menu button.

ACTIONS

The fundamental operations are:

1. Open the program with the main program menu according to its saved Window Layout (BR_WindowConfig)
2. Action user menu selections as per 'Look and Feel' section above.

USED BY

All HRE users.

DATA CONTROLLED BY THIS MODULE

1. Main display Window settings.

REQUIRED DATA CONTROLLED BY OTHER MODULES

1. None.

REQUIRED SERVICES - Dependencies

GUI modules as defined in 'Look and Feel' section above.
Dependency information contained in the relevant module specifications.

First-Order Dependencies	Second-Order Dependencies (if not already listed)	Higher-Order Dependencies (if not already listed)
07.17 BR_WindowConfig	07.06 BR_GuiElement 07.02 BR_EntityLink 07.29 BR_Translation 07.16 BR_MessagePatterns	
04.07 GUI_ProjectClose	04.05 GUI_ProjectBackup 04.14 GUI_ProjectSummary 04.13 GUI_ExitHRE 07.17 BR_WindowlConfig 07.21 BR_Project	
07.30 BR_Viewpoint	07.06 BR_GuiElement 07.17 BR_WindowlConfig 07.02 BR_EntityLink 07.29 BR_Translation 07.03 BR_FieldDefinition	

LOGGING

General use of the HRE Main display will not create log entries.
Setting changes to this Window (location and size) will create log entries.

EVENT ACTIONS

1) Keyboard actions
   Not applicable
2) Mouse actions
   Drag and drop mouse actions to move and resize the window
   Setting changes saved to database for User>Project>Viewpoint>Window
   Left key
   a. Mouse key click on main Menu labels, opens a pulldown window for the selected menu, and allows further selection of the sub-menu items using an icon or name
   b. 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: If there is an open project – invokes the GUI_ProjectClose module
      b. 'Box' icon
         Toggles the window size between full screen, and the preset window size
      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
4) Keyboard shortcuts
   To be determined

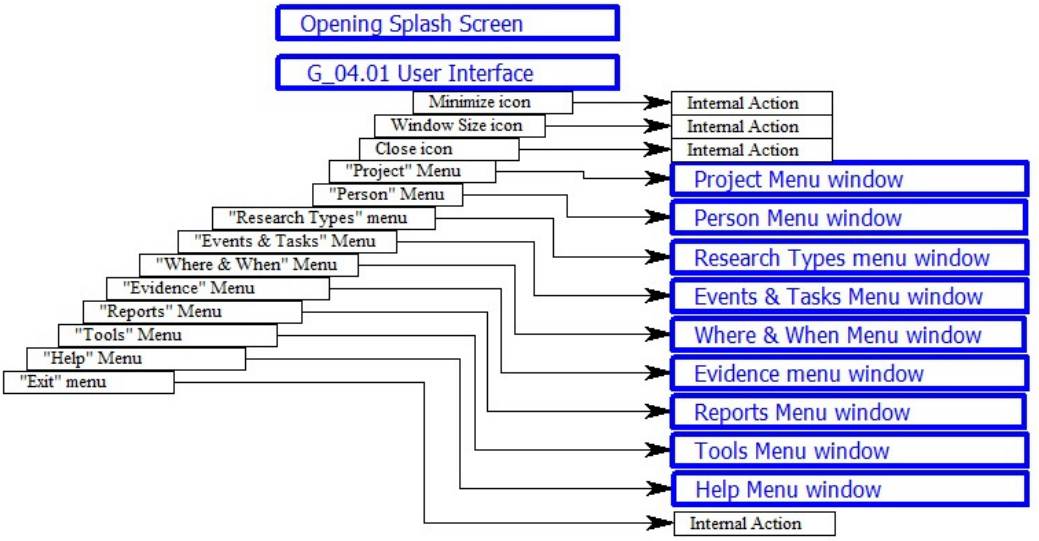
WARNING CONDITIONS

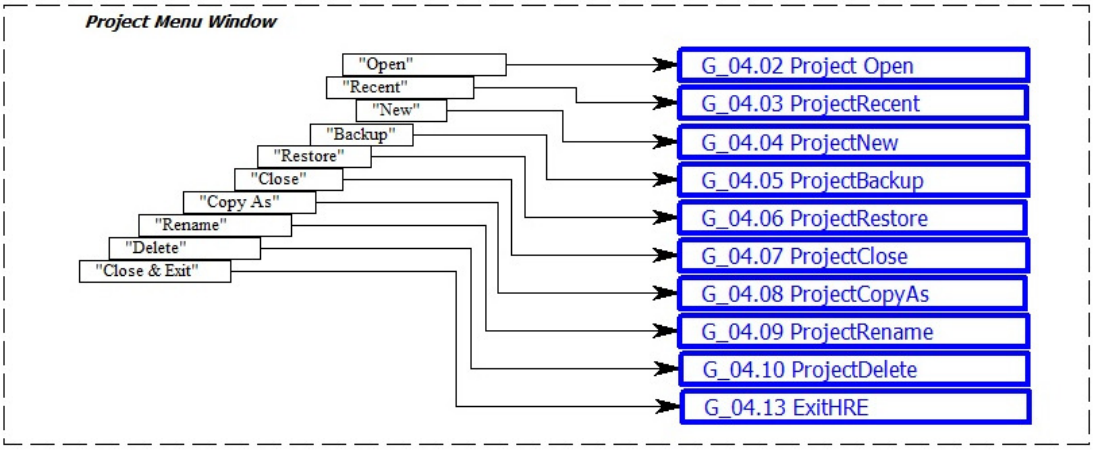
1. Need details of the condition that raised the warning, example message and possible next steps.

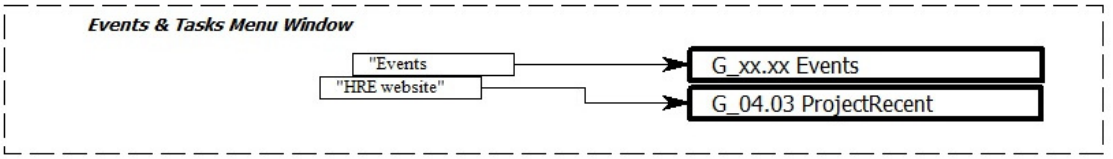
ERROR CONDITIONS

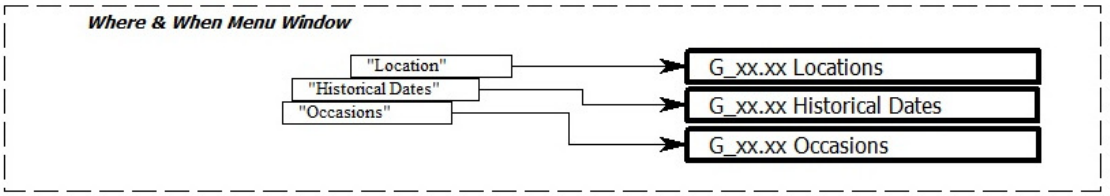
1. Need to record the condition that raised the error, example message and possible next steps.

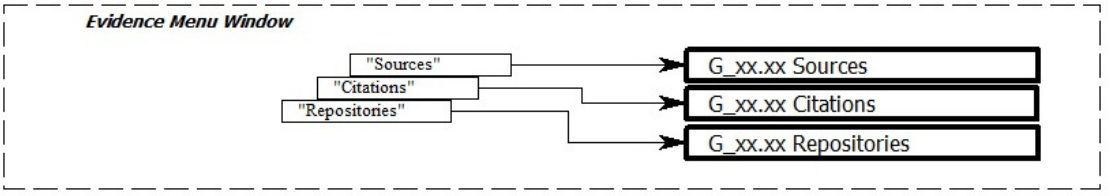
WINDOW INTERACTION MAPS

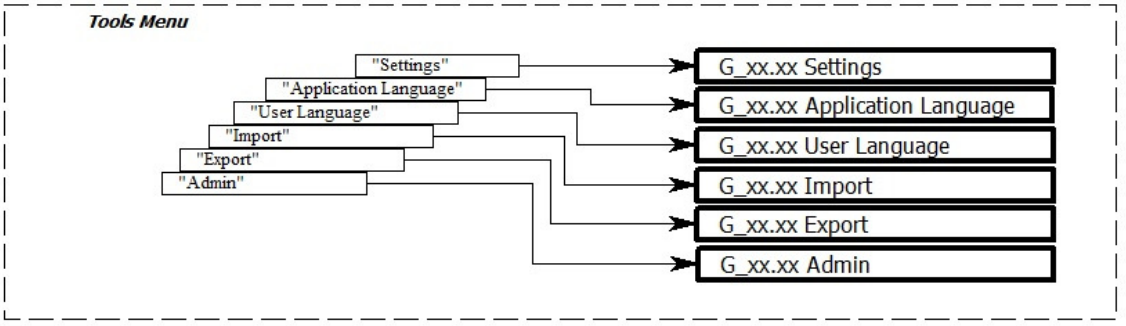
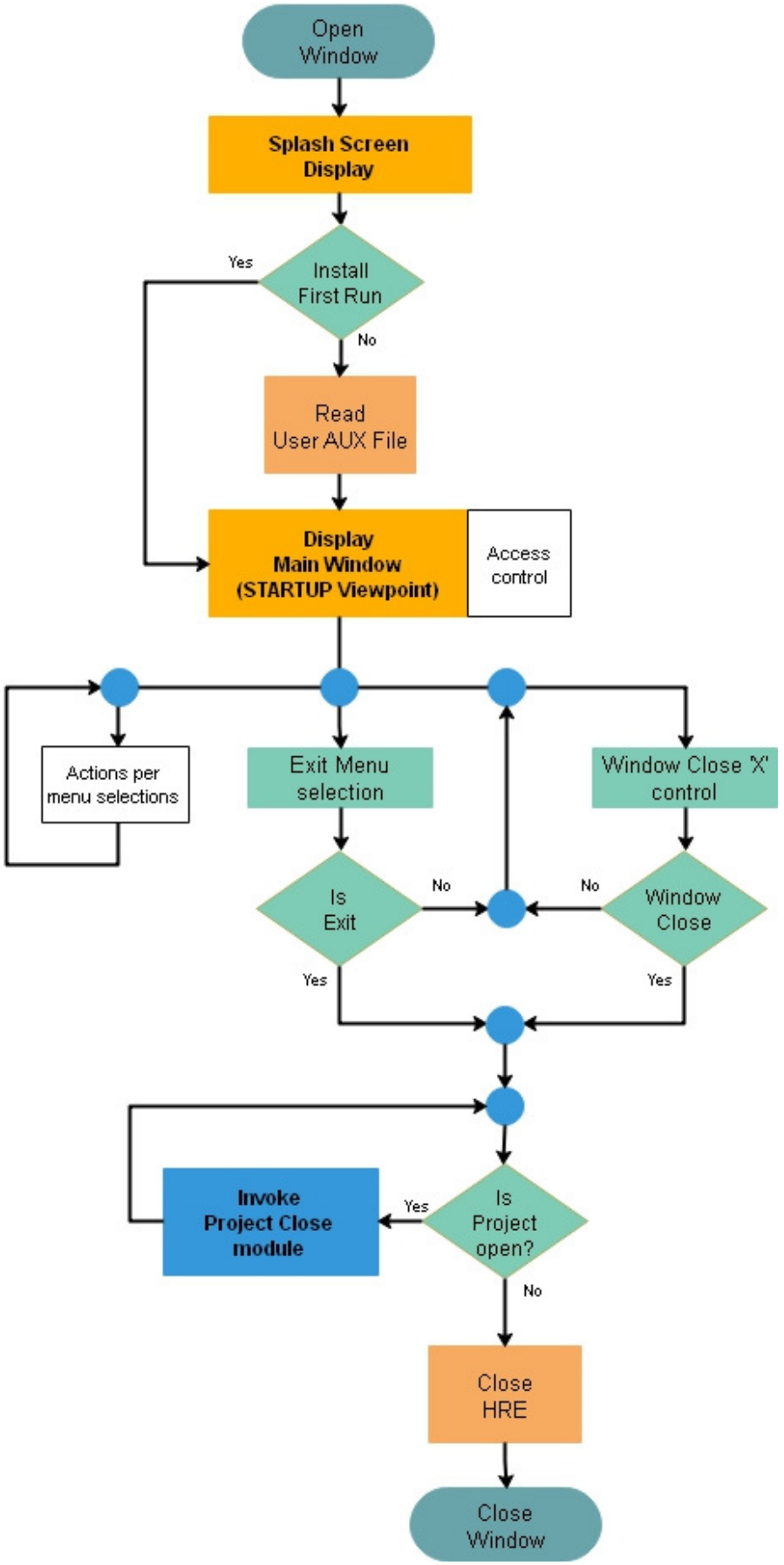





Events & Tasks Menu Window
"Events
"HRE website"
G_xx.xx Events
G_04.03 ProjectRecent


Where & When Menu Window
"Location"
"Historical Dates"
"Occasions"
G_xx.xx Locations
G_xx.xx Historical Dates
G_xx.xx Occasions


Evidence Menu Window
"Sources"
"Citations"
"Repositories"
G_xx.xx Sources
G_xx.xx Citations
G_xx.xx Repositories


Tools Menu
"Settings"
"Application Language"
"User Language"
"Import"
"Export"
"Admin"
G_xx.xx Settings
G_xx.xx Application Language
G_xx.xx User Language
G_xx.xx Import
G_xx.xx Export
G_xx.xx Admin

PROCESS FLOW CHART