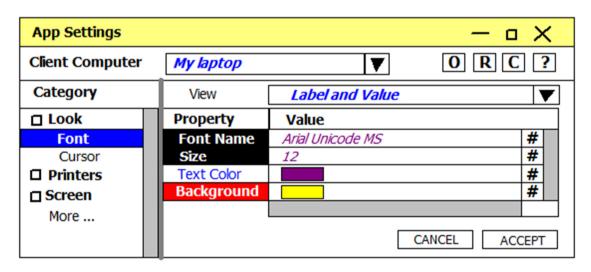# GUI_AppSetting – Application Setting management
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SCOPE
This GUI module displays the current and default settings of the currently open HRE project. It is opened by the Tools > Settings > Application menu item.

LOOK AND FEEL
- The topmost section of the screen shows the current project name
- The upper right icon buttons provide the following universal features:
    - "O" enables Output of the new project properties list by sending the contents of the Project Properties tabular display to a file or to a printer
    - "R" displays the Reminder content for this screen
    - "C" enables the user to create and retrieve Configurations of this screen's layout
    - "?" displays context Help about the use of this screen
- Below this the screen has 2 parts; left and right with a moveable vertical separator between them
- The left side is a list of setting categories. These setting categories are represented in a tree of up to 3 levels. Some main categories have a series of sub- categories within them, such as the 'Users' group in the example. Selecting one category group that has a set of property values will cause the right side to be populated with setting values
- The right side is a properties editor. The view of the property editing is controlled by a pulldown selector. Typically, this display has 3 columns:
    - Column 1: The Property label. The character emphasis of the title is coded with:
        - **BOLD** white text on a black background when the value is the default
        - Normal text on white background for a user saved value
        - BOLD white text on red background when the value has been edited in this view (NOTE the red background color can be changed in the App Settings).
    - Column 2: The current value of that setting. Double clicking on the row will cycle the initial value, edited value (if one exists) and the default value
    - Column 3: A button to open a special editor if that setting has a format that should not be in-place edited. This will also allow for reset to the default.
- The editing of values has Undo/Redo features and repeat value access.

\# Property Specific Editing Tool command button (if required)

ACTIONS

The fundamental operations are:
1. Open screen according to its saved Screen Layout (BR_PanelConfig)
2. Populate the left side with the list of setting group labels
3. On selecting a setting group, the right side displays the setting names and values within that group
4. If a value is edited, then it will be validated both for its syntax and value for correctness
5. On finally clicking "Accept" the new values will be saved in the appropriate project database
6. On finally clicking "Cancel" the new values will not be saved.

USED BY:
1. Items that have settings and defaults (incomplete list)
2. Screen font size, keyboard mouse, printer properties and many more.

DATA CONTROLLED BY THIS MODULE
None.

REQUIRED DATA CONTROLLED BY OTHER MODULES
HRE_ID.

REQUIRED DATA CONTROLLED BY OTHER MODULES:
1. HRE_ID
2. Panel Configuration.

REQUIRED SERVICES
1. BR_Setting
2. BR_PanelConfig.

APPLICATION PROGRAMMING INTERFACE (API)
1. Single call with one parameter, the HRE_ID of the focus Project.

EVENT ACTIONS
1. Need details of event (keyboard or mouse) and the description of the action.

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.