

GUI_OUTPUT

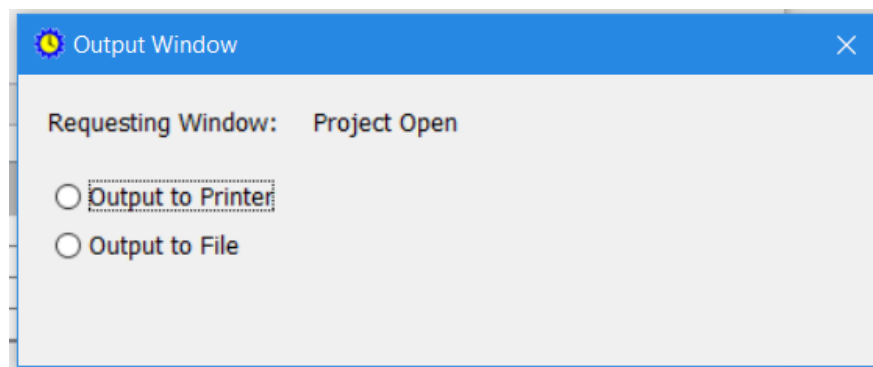
Revision history

2018-05-14	Robin Lamacraft	Original draft
2018-05-30	Rod Thompson	Added diagrams, maps, revised all text
2018-06-01	Don Ferguson	Minor edits, added note on printer defaults
2018-07-03	Rod Thompson	Add PROCESS FLOW CHART Add WARNING MESSAGES
2019-02-22	Rod Thompson	Replace window graphics (v2)
2019-04-04	Don Ferguson	Replace mockups with real screenshots Replace window graphics (v3) and flowchart Rewrite to match reality of how Java outputs a table

OUTPUT GUI

This window is reached by any use of the “Output” Icon on the tool bar of another window. It provides a quick way for the user to either print the content of the project table displayed in the window or to save that content to a file.

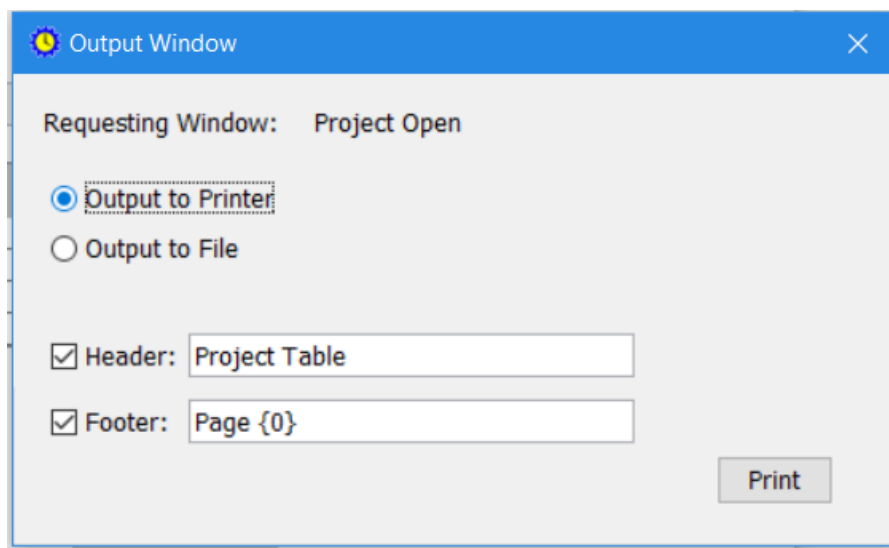
GUI ELEMENT USE	ELEMENT TYPE	DESCRIPTION
TOP BAR	HEADING TEXT	“Output Window”
TOP BAR	RIGHT BUTTON	Only an “X” to “Close” the window
LABEL	FIXED PLAIN TEXT	“Requesting Window:”
CONTEXT	RETRIEVED PLAIN TEXT	The Title of the window that made the output request to output
CHOICE 1	RADIO BUTTON	“Output to Printer” – when selected the Output to a Printer panel(s) become visible
CHOICE 2	RADIO BUTTON	“Output to File” – when set the Output to a File functions are invoked



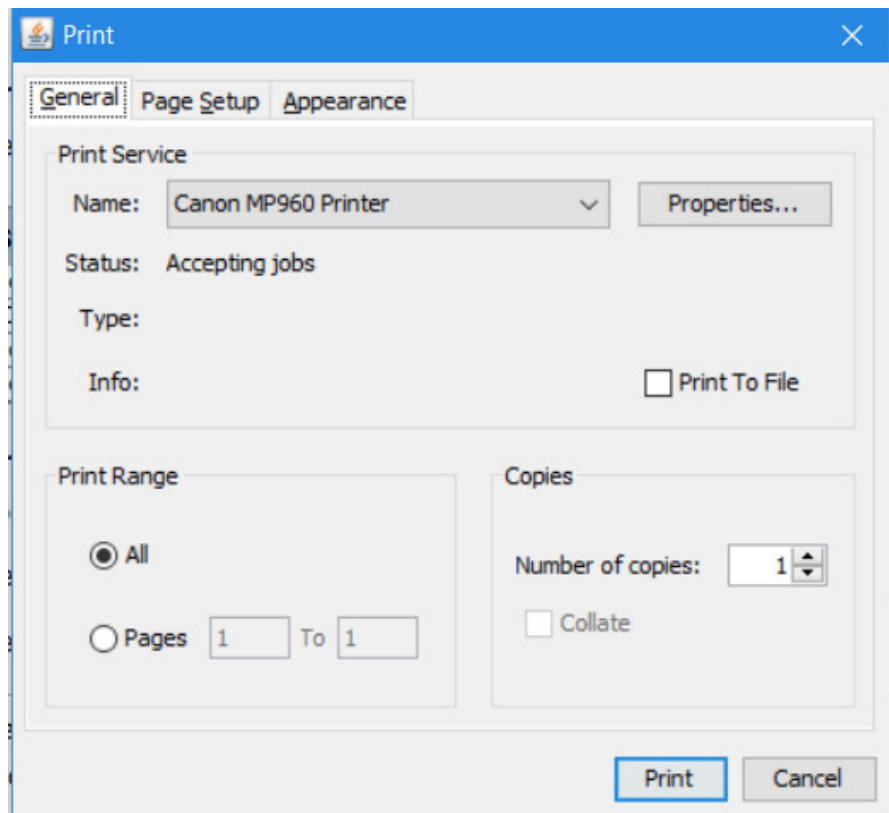
OUTPUT GUI – Initial Window

OUTPUT TO PRINTER PANEL:

This panel controls the settings for “Output to Printer” including setting of user-entered Header/Footer text. It also enables selection of further print settings by invoking the default OS Printer dialog.



OUTPUT GUI – Printer Output selected



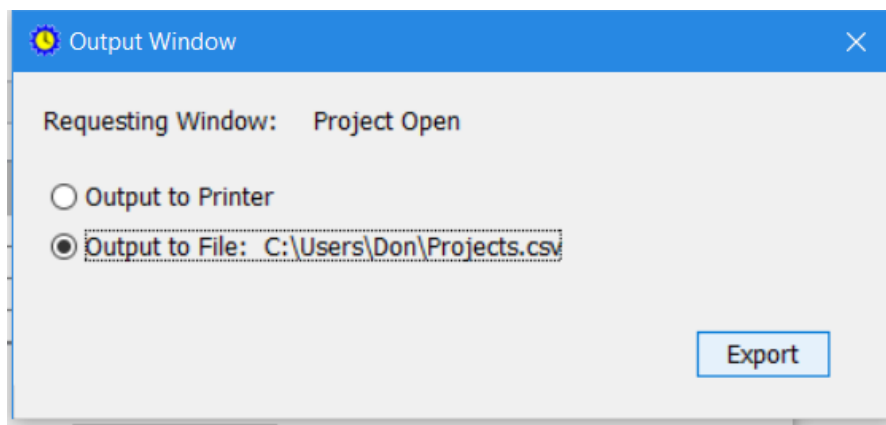
OUTPUT GUI – Sample Printer Dialog (Windows)

OUTPUT TO FILE PANEL:

Selection of 'Output to File' passes control to module 05.77 GUI_FileChooser to enable the User to select the file name and destination.

File format for output is always CSV.

Once a filename and location is entered, the Output window changes to the following:



OUTPUT GUI – Sample File Export Dialog (Windows)

USED BY

All HRE users.

DATA CONTROLLED BY THIS MODULE

None.

REQUIRED DATA CONTROLLED BY OTHER MODULES

Project data from the calling window - to be output to printer or file.

REQUIRED SERVICES – Dependencies

First-Order Dependencies	Second-Order Dependencies	Higher-Order Dependencies
05.77 GUI_FileChooser		

APPLICATION PROGRAMMING INTERFACE (API)

This module requires 2 input parameters:

- 1) Title of the calling window
- 2) A JTable whose contents are to be printed or output to a file.

EVENT ACTIONS

- 1) Keyboard actions
 - Filename entry via OS File explorer
- 2) Mouse actions
 - Left key
 - a. Click on 'un-checked' radio button, selects that button, and 'de-selects' the other.
 - Right key

To be determined.
- 3) Icon actions
 - left mouse key click on the 'X' icon, closes the window.
- 4) Keyboard shortcuts
 - To be determined.

WARNING CONDITIONS

For Printer output:

- 1) JOptionPane information message stating printing is complete
- 2) JOptionPane information message stating printing was cancelled.

For File output:

- 1) JOptionPane warning message stating the file already exists; user to proceed with over-writing the file or exit from the process
- 2) JOptionPane information message stating file was successfully exported.

ERROR CONDITIONS

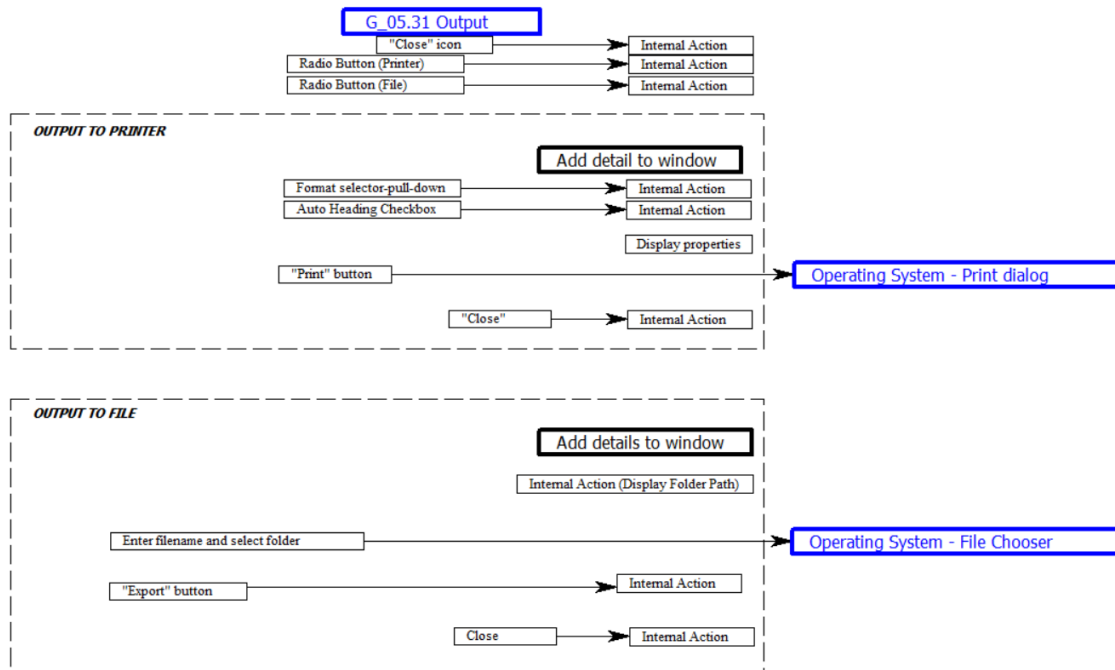
For Printer output:

- 1) JOptionPane error message stating printing failed, with the Printer Exception detail.

For File output:

- 1) JOptionPane error message stating export failed, with I/O error detail.

WINDOW INTERACTION MAP



PROCESS FLOW CHART

