

# Window Previews & Reflections

Download: <https://www.clarionlive.com/BrowseEpisodes/ww>

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# Designer Move / Resize Shortcuts

Arrows - Move X / Y Position 

Arrows + Ctrl - Move with blue Snap Lines

Shift + Arrows - Resize Width / Height

Shift + Arrows + Ctrl - Snap Size to Existing

See Position on Status Bar: `ENTRY(@s2),AT(120,11,17,10)`

Ctrl + Z is Undo, Ctrl + Y is Redo

# Designer Mouse Moves

Alt + Drag on Resize turns off Snap Lines

Shift + Drag does nothing

Ctrl + Select Control + Drag Dups Control

... But orphans Actions and Embeds in APPs

Use F2 to Duplicate in APPs

# Designer Multi-Select

Ctrl + Click Multi-Selects Controls

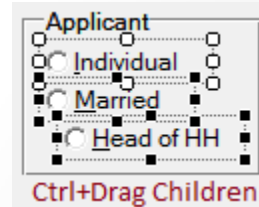
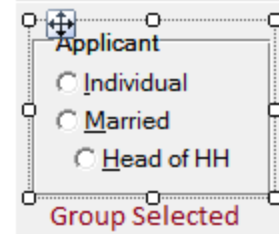
Ctrl + Drag = Lasso Multi-Select \*

To select Group Children Only:

Click on Group, (space not line)

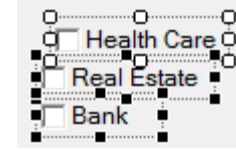
Then Ctrl+Drag Lasso Children

Mouse must be Arrow & not NSEW



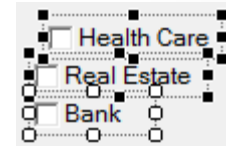
# Designer Multi-Select

Multi-select “white framed”  
anchor control  
for alignment or sizing



Drag select often not the desired anchor

Left click changes anchor



# Designer Move Tricks

AT() Math can be used in Window...

Example: Move 4 controls down **+21**

```
PROMPT( 'Name: ' ), AT( 21, 23 +21 )
```

```
ENTRY(@s40),      AT( 66, 22 +21 , 165, 11 )
```

```
PROMPT( 'Attn: ' ), AT( 21, 43 +21 )
```

```
ENTRY(@s30),      AT( 66, 41 +21 , 165, 11 )
```

# AT() with Multiply

ENTRY(@n9.2), AT(9, 8), USE(Amount[1])

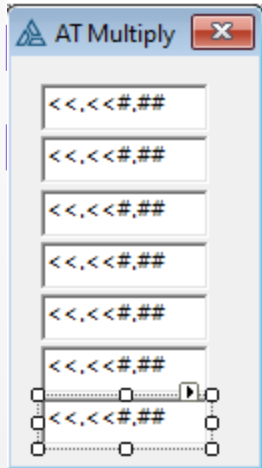
ENTRY(@n9.2), AT(9, 8+14\*1), USE(Amount[2])

ENTRY(@n9.2), AT(9, 8+14\*2), USE(Amount[3])

ENTRY(@n9.2), AT(9, 8+14\*3), USE(Amount[4])

ENTRY(@n9.2), AT(9, 8+14\*4), USE(Amount[5])

ENTRY(@n9.2), AT(9, 8+14\*5), USE(Amount[6])



# Designer Move Tricks

Wrap Controls in a Group before Move

Don't Drag, change Group X/Y properties

Best way to make room at the top

Add Group with Window... Editor

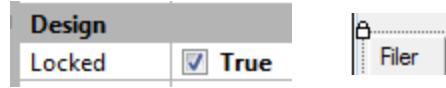
Open Designer & change Group X/Y

If all controls on Sheet can move Sheet XY



# Designer “Locked” Feature

Locked Property



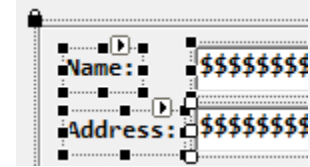
Move child controls, never Group

Prevent Sheet or Group accidental moves

Helps Ctrl+Drag Select inside Group

Property X/Y Entry is not Locked

Move or Resize by Number 😊

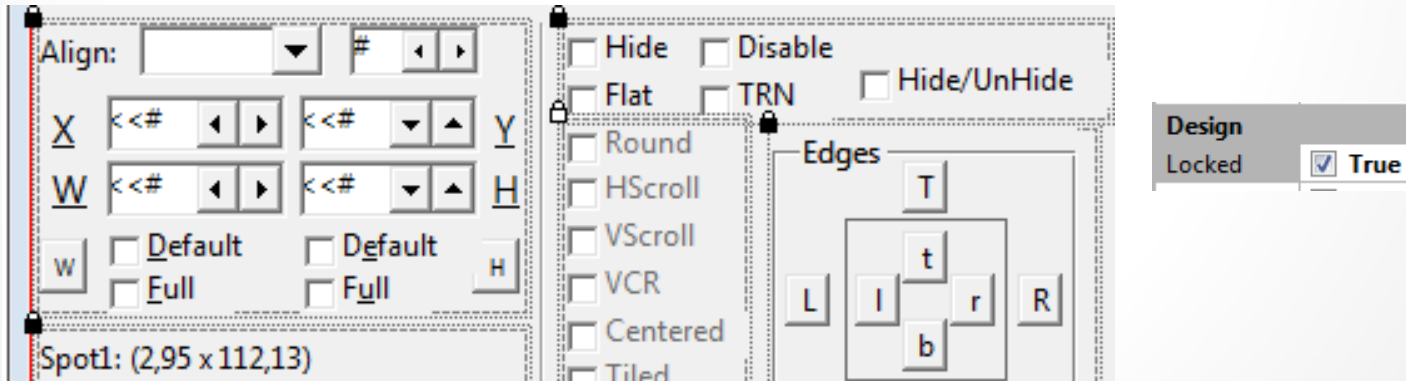


Position	
AT	AT(10,28,100,50)
Height	50
Width	100
X	10
Y	28

# Designer “Locked” Feature

Lock is not preserved on Designer Close

When Open Window Ctrl+ Select Multiple Groups and select Locked once



# Window Previewer

Generates Clarion Program for that Window  
Makes a CLW with Window & sample data  
Makes a CwProj, Builds and Runs  
Files are in your Project folder  
Data from \*.WinPrev files in  
C:\Clarion\Data\Window Previewer

# Window Previewer MIA

Click Preview and Nothing Happens

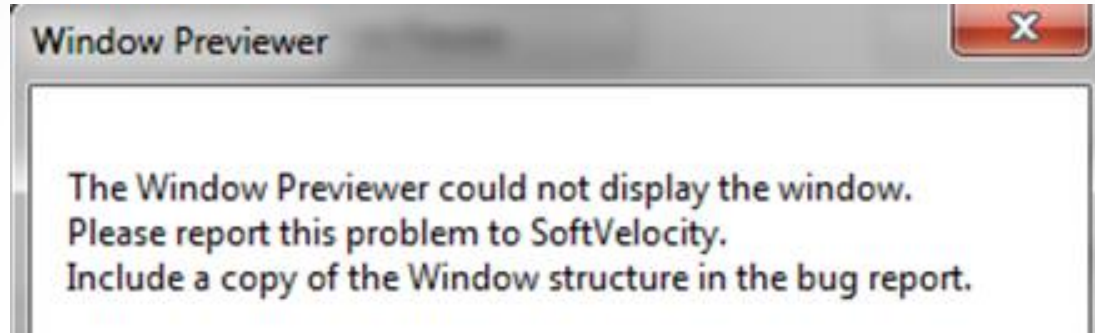
No errors, no files, no nothing

Fix:

Install the .Net 2.0 Redistributable

May also need to Install .Net 3.5

# Previewer Error Message



Sometimes there are helpful errors

!	Line	Description
✖	2	File not found or cannot be open: 0PtypW.Ico

# Previewer Equate Error

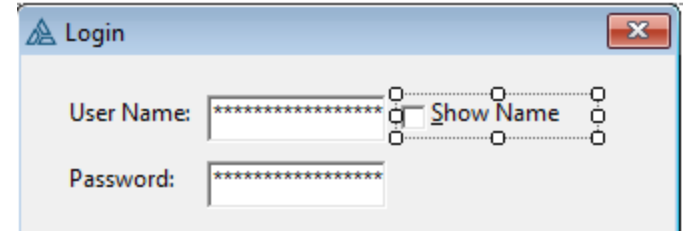
ShowYes EQUATE('1')

ShowNo EQUATE('0')

Window WINDOW('Login'),...

...

CHECK('&Show Name'),AT(108,11), |  
USE(bShowName),VALUE>ShowYes,ShowNo)



Value	VALUE>ShowYes,Sho...
FalseValue	!ShowNo
TrueValue	!ShowYes

# Previewer Error Message

Preview files are in your Project folder

Files are not deleted until Message closed

Save those files ... or ... (next slide)




Name	Date modified
 WinPreview57cb2514-2bf9-4ff2-8791-ac001536664c.clw	9/8/2019 12:44 PM
 WinPreview57cb2514-2bf9-4ff2-8791-ac001536664c.cwproj	9/8/2019 12:44 PM
 WinPreview57cb2514-2bf9-4ff2-8791-ac001536664c.exe.manifest	9/8/2019 12:44 PM

# Previewer Error Message

Copy source from WinPreview .CLW

Paste into scratch Win32 EXE CwProj

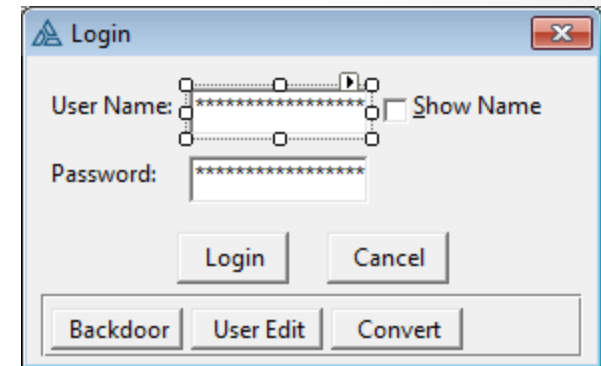
Build and see the compile errors

Name	Date modified
 WinPreview57cb2514-2bf9-4ff2-8791-ac001536664c.clw	9/8/2019 12:44 PM
 WinPreview57cb2514-2bf9-4ff2-8791-ac001536664c.cwproj	9/8/2019 12:44 PM
 WinPreview57cb2514-2bf9-4ff2-8791-ac001536664c.exe.manifest	9/8/2019 12:44 PM



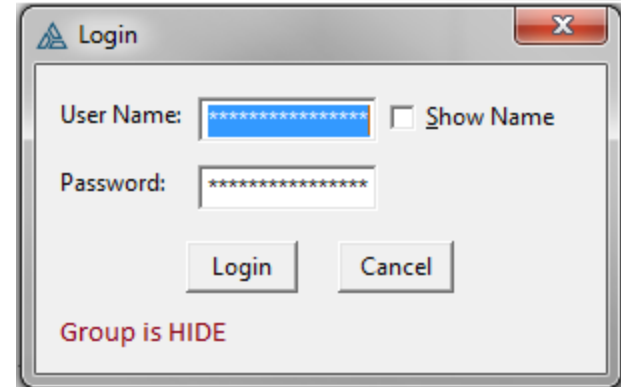
# Previewer Source Code

```
Window WINDOW('Login'),AT(,,163,82),CENTER,GRAY,SYSTEM,Font('Segoe UI',9)
  PROMPT('User Name:'),AT(7,9),USE(?Name:Pmt)
  ENTRY(@s20),AT(47,9),USE(User),PASSWORD
  PROMPT('Password:'),AT(7,27),USE(?Pwd:Pmt)
  ENTRY(@s20),AT(47,27),USE(Pwd),PASSWORD
  CHECK('&Show Name'),AT(101,9),USE(bShowName)
  BUTTON('Login'),AT(43,47),USE(?LoginBtn)
  BUTTON('Cancel'),AT(86,47),USE(?CancelBtn)
  GROUP,AT(4,63),USE(?Secret),BOXED,HIDE
    BUTTON('Backdoor'),AT(7,67),USE(?BackDrBtn)
    BUTTON('User Edit'),AT(47,67),USE(?UEdtBtn)
    BUTTON('Convert'),AT(87,67),USE(?CvtBtn)
  END
END
```



# Previewer Source Code

```
windowPreviewerCanExit__ BOOL(TRUE)
INCLUDE('WindowPreviewer.inc', 'Includes'), ONCE
v2 STRING(44)
Window WINDOW('Login'), AT(,, 163, 82), GRAY
    PROMPT('User Name:'), AT(7, 9), USE(?Name:Pmt)
    ENTRY(@s20), AT(47, 9, 50), USE(v2), PASSWORD
    GROUP, AT(4, 63, 155, 17), USE(?Secret), BOXED, HIDE
END
CODE
OPEN(Window)
INCLUDE('WindowPreviewer.inc', 'AfterOpen'), ONCE
v2 = 'The quick brown fox jumped over the lazy dog'
ACCEPT
INCLUDE('WindowPreviewer.inc', 'InAccept'), ONCE
IF windowPreviewerCanExit__ AND EVENT()=1 |
    AND ACCEPTED(){PROP:Type}=9 THEN BREAK.
    windowPreviewerCanExit__ = TRUE
END
```



# Preview Hidden Controls

Preview does not show HIDE Controls

DISABLE Controls are ... not Enabled

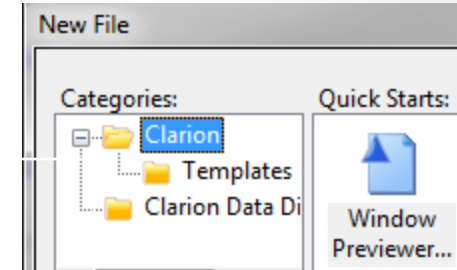
My existing code has many hidden Tabs

Solution...

WindowPreviewer.INC can change PROPs

# WindowPreviewer.INC (include)

New file has below template:



```
SECTION('Includes')  
!Variable and equate declarations here  
SECTION('AfterOpen')  
!Code executed after Open(Window)  
SECTION('InAccept')  
!Code executed at top of the ACCEPT loop  
!Set windowPreviewerCanExit__=FALSE or button  
press exits preview
```

# WindowPreviewer.INC

Unhide and Enable All - Buttons do not close

```
SECTION('Includes')
FEQ LONG
SECTION('AfterOpen')
    0{PROP:System}=1 !Red Close X
    LOOP !Enable and Unhide ALL Controls
        FEQ=0{PROP:NextField,FEQ}
        IF ~FEQ THEN BREAK.
        UNHIDE(FEQ) ; ENABLE(FEQ)
    END
SECTION('InAccept')
    windowPreviewerCanExit__=FALSE !Click Buttons
```

# WndPreview Class Install

Play along at home...

Download from Clarion Live

Unzip

Copy LibSrc files to Accessory LibSrc

Preview a Window look for Button

To disable hide WindowPreview.INC

# CB Wnd Preview Class

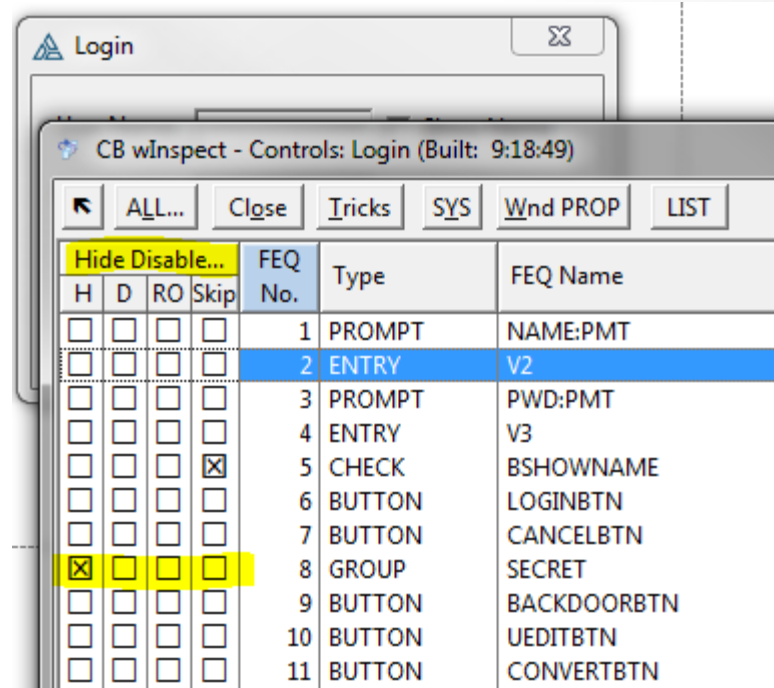
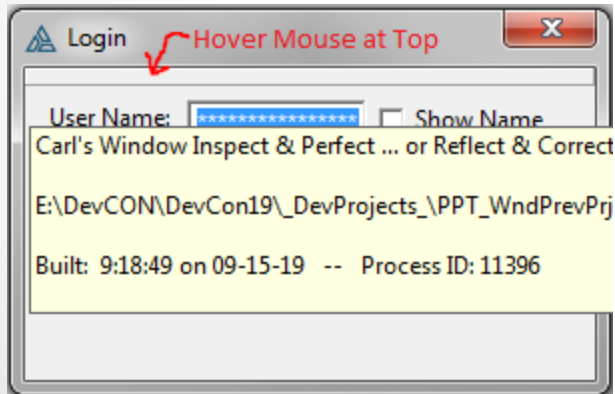
Carl's Window Previewer Class

Unhide and Enable All Selectively

```
SECTION('Includes')
    INCLUDE('CBWndPreview.INC'), ONCE !In LibSrc
WndPrvCls CBWndPreviewClass
SECTION('AfterOpen')
    0{PROP:System}=1 !Red Close X
WndPrvCls.Init(2) !2=Top Btn; 1=Upper Left
SECTION('InAccept')
    windowPreviewerCanExit__=FALSE !Click Buttons
```

# CB Wnd Preview Class

Hover Mouse at Top  
Reveals Flat Button  
Click to Open

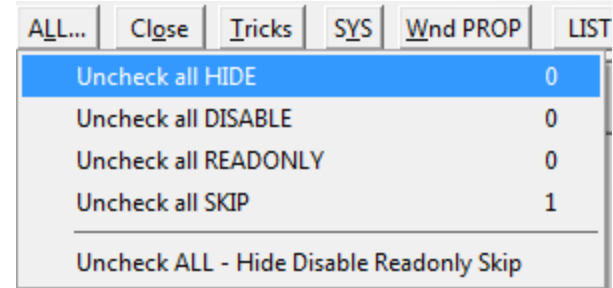
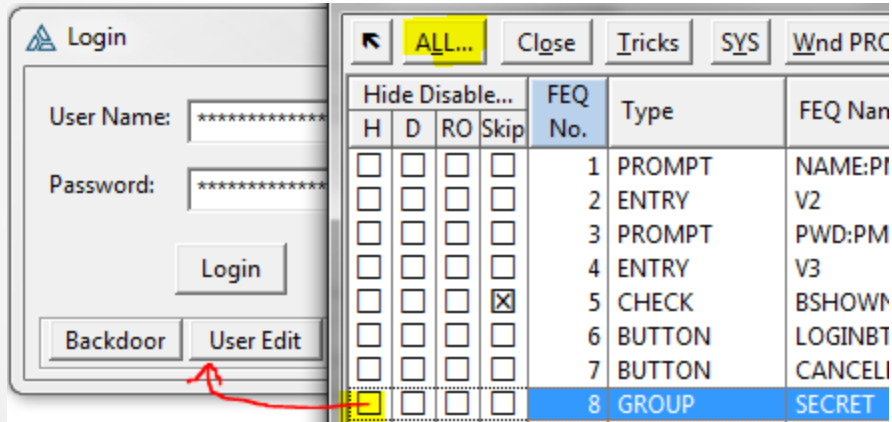




# Flexible Unhide / Enable

Preview can show LIST() of controls

Selectively “Un” Hide Disable Readonly Skip



# CB Wnd Preview ... More

Property Values best way to understand

See More... 7C00h

Value PROP:Value

77

TYPE:  
DESC.:  
Code #77  
TRS JOB CATEGORY  
T  
A  
C  
O  
S  
N

The data entered on this form is used  
CERTIFIED PERSON  
Y  
N  
STUDENT TYPE  
Y  
N

GROUP Prop: Type: 13 Freq: 8 ?SECRET

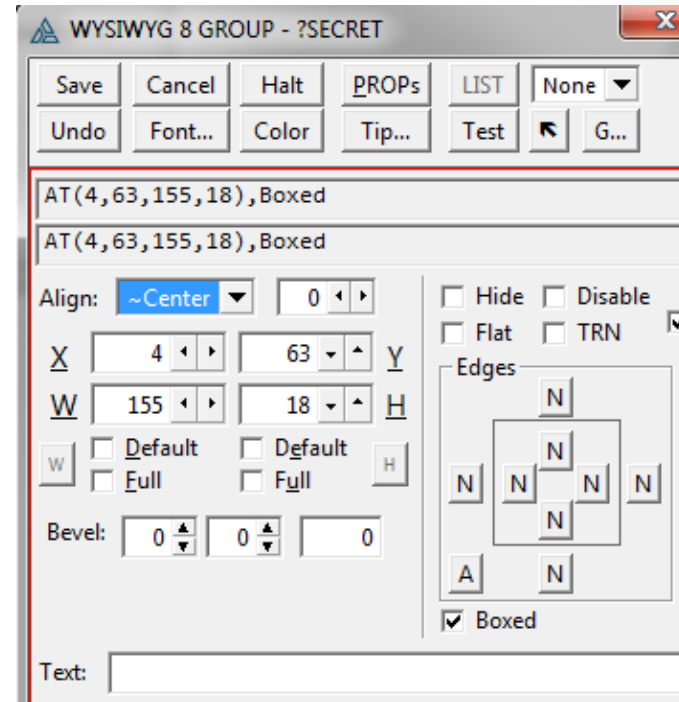
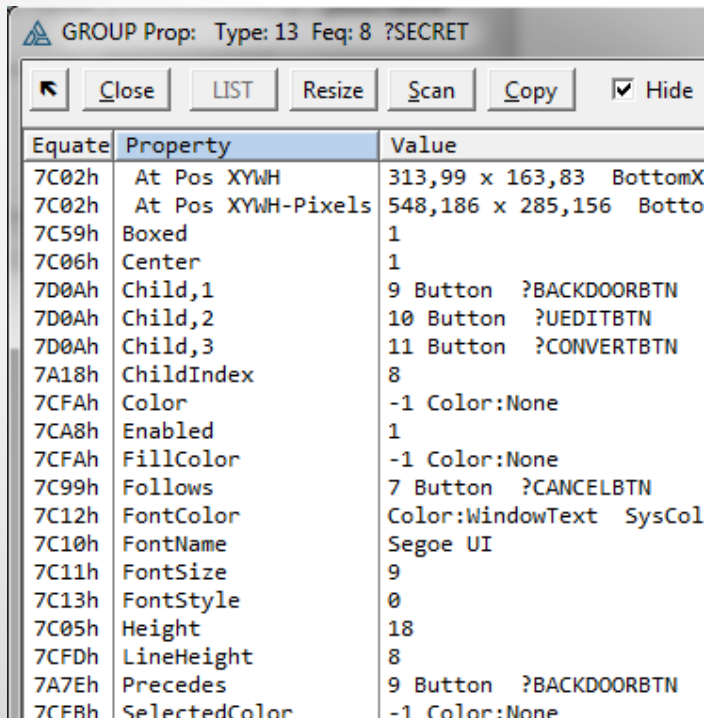
Equate	Property	Value
7C02h	At Pos XYWH	313,99 x 163,83 BottomX
7C02h	At Pos XYWH-Pixels	548,186 x 285,156 Botto
7C59h	Boxed	1
7C06h	Center	1
7D0Ah	Child,1	9 Button ?BACKDOORBTN
7D0Ah	Child,2	10 Button ?UEDITBTN
7D0Ah	Child,3	11 Button ?CONVERTBTN
7A18h	ChildIndex	8
7CFAh	Color	-1 Color:None
7CA8h	Enabled	1
7CFAh	FillColor	-1 Color:None
7C99h	Follows	7 Button ?CANCELBTN
7C12h	FontColor	Color:WindowText SysCol
7C10h	FontName	Segoe UI
7C11h	FontSize	9
7C13h	FontStyle	0
7C05h	Height	18
7CFDh	LineHeight	8
7A7Eh	Precedes	9 Button ?BACKDOORBTN
7CFBh	SelectedColor	-1 Color:None
7CFCh	SelectedFillColor	-1 Color:None
7C01h	Type	GROUP
7C01h	Type	13
7CA7h	Visible	1
7C04h	Width	155
Win32	Win ClassName	ClaGroup_0400000H

WINDOW Prop: Type: 25 Freq: 0 Window

Equate	Property	Value
7C02h	At Pos XYWH	453,254 x 187,101 Bo
7C02h	At Pos XYWH-P	793,476 x 327,189 Bo
Win32	At Win Client	0,0 x 327,189 Width,I
Win32	At Win Rect L	793,476 x 1126,693 W:
7A4Dh	Client Pos XY	0,0 x 187,101 Bottom:
7A4Dh	Client Pos XY	0,0 x 327,189 Bottom:
7C06h	Center	1
7D0Ah	Child,1	1 Prompt ?NAME:PMT
7D0Ah	Child,2	2 Entry ?USER
7D0Ah	Child,3	3 Prompt ?PWD:PMT
7D0Ah	Child,4	4 Entry ?PWD
7D0Ah	Child,5	5 Check ?BSHOWNAME
7CABh	ClientHandle	140140 = 02236Ch
7CB5h	ClientWNDProc	17676272 = 010D87F0h
7CFAh	Color	-1 Color:None
7CFAh	FillColor	-1 Color:None
7A3Ah	FontCharSet	0
7C12h	FontColor	Color:WindowText Sys
7C10h	FontName	Segoe UI
7C11h	FontSize	9
7C13h	FontStyle	0
7C64h	Gray	1
7C96h	Handle	205546 = 0322EAh
7C05h	Height	101

# CB Wnd Preview ... More

More than Unhide. Property Reflection (Inspect) and Window Design (Perfect)



# Tricks -Developer Tool Tips

## All Controls PROP:Tip = Dev Info

General Pay Day Salaries

TAB1  
TAB FEQ: 2  
Index=1 Value("General")  
AT(10,0,,), W=673 H=366  
Follows: SHEET1 - SHEET  
Precedes: MST:EMPNO - SSTRING  
Parent: SHEET1 - SHEET

Pay Adjustment Method  
☒ N/A ☐ Retroactive ☐ Retroactive  
CON:NEWPAYRETROFLAG  
OPTION FEQ: 212  
Radios: "N" "R" "r" "F" "f"  
AT(323,334,340,26),

DBT:LASTNAME\_GEN  
COMBO-Drop 11 FEQ: 14  
Picture: s5  
From(I|Jr.|Sr.|III|IV|V|2nd|3rd|4th|5th)  
AT(271,20,39,12),L  
LIST Items=11 LineHt=8 HdrHt=0 LineCount=11  
Columns have Tips Too!  
Follows: DBT:LASTNAME\_GEN:PROMPT - PROMPT

EEOC REPORTABLE  
☒ YES ☐ NO  
TYP:EEOCREPORTABLE:RADIO1  
RADIO FEQ: 21  
Index=1 Value("Y")  
AT(209,102,,), W=30 H=10  
TRANSPORTATION PERSONS  
☐ RE ☐ NO  
TYP:BENEFITGROUP:RADIO3  
RADIO FEQ: 32  
Index=3 Value("3")  
AT(335,73,,), W=108 H=10

Override Norm. Trs. Ins. Rates  
CON:OVERRIDE MSTRTRSINSRATES  
CHECK FEQ: 139  
Value("Y","N")  
AT(345,247,,), W=111 H=10

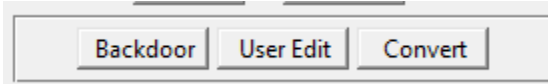
BROWSE:1  
LIST FEQ: 1  
AT(14,55,751,188),  
LIST Items=21 LineHt=8 HdrHt=17 LineCount=21  
Columns have Tips Too!

Pay Sch.	St.	TRs Data Brd.	TRs Data Emp.	TRs Cap	TRs Tier	IMRF Tier	Re Alv
240	M		.09000		T2		TF
201	A	.02000	.07000		T2		T

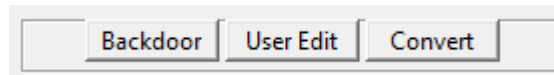
Column: 7 Field: 11 Group: 5  
Picture: @n3  
Width: 17 R(2) Header: C(1)  
Format:  
17R(2)|~Pay<0DH,0AH> Sch.~C(1)@n3@

# WYSIWYG Resizer (Designer)

Designer ok:



Not Preview:

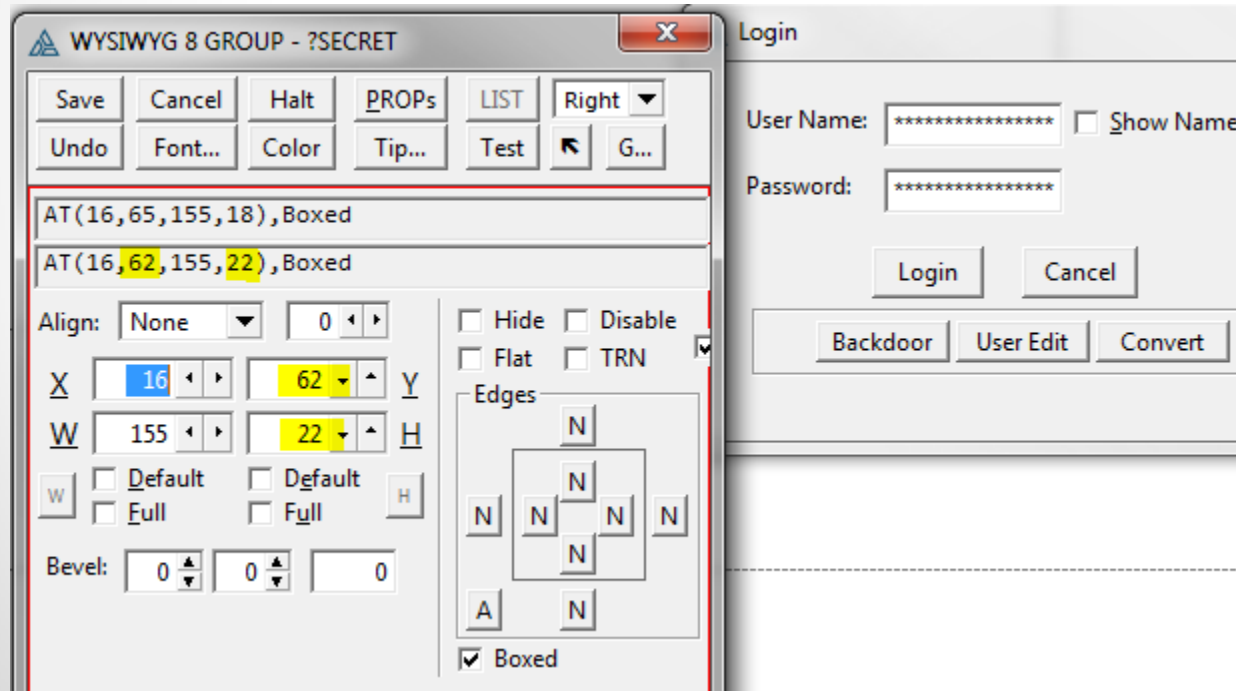


BUTTON  
BUTTON  
GROUP  
BUTTON  
BUTTON

Control PROP:s

LIST FORMAT()

Resize / WYSIWYG Designer



# LIST Checkbox Style Example

Class Checks use Style not Icons

Style Checkbox List - STRING(1) 7(1)

Tag	Name
<input type="checkbox"/>	January
<input checked="" type="checkbox"/>	February
<input type="checkbox"/>	March
<input checked="" type="checkbox"/>	April
<input checked="" type="checkbox"/>	May
<input type="checkbox"/>	June
<input checked="" type="checkbox"/>	July
<input type="checkbox"/>	August
<input type="checkbox"/>	September
<input type="checkbox"/>	October
<input type="checkbox"/>	November
<input checked="" type="checkbox"/>	December

Style Checkbox List - Q Style

Tag	Name
<input type="checkbox"/>	January
<input checked="" type="checkbox"/>	February
<input type="checkbox"/>	March
<input type="checkbox"/>	April
<input type="checkbox"/>	May
<input checked="" type="checkbox"/>	June
<input checked="" type="checkbox"/>	July
<input checked="" type="checkbox"/>	August
<input type="checkbox"/>	September
<input type="checkbox"/>	October
<input type="checkbox"/>	November
<input type="checkbox"/>	December

Style Checkbox List BIG for Touch.

Wingdings1	TagSize	ListSize
Tag	Name	
<input type="checkbox"/>	January	

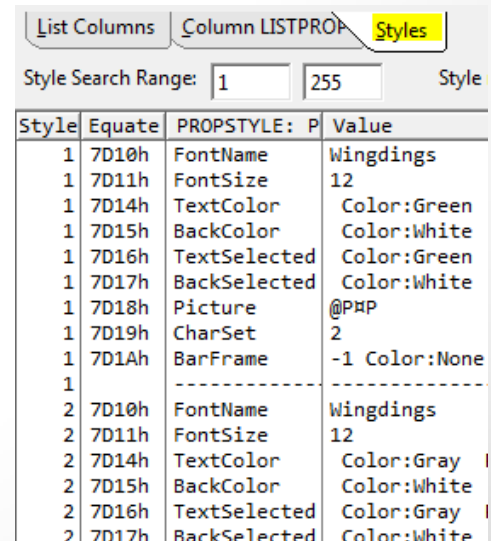
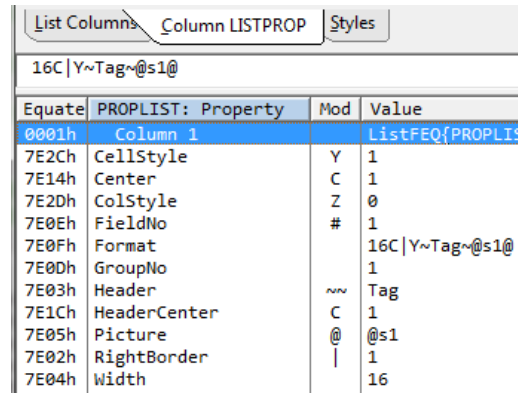
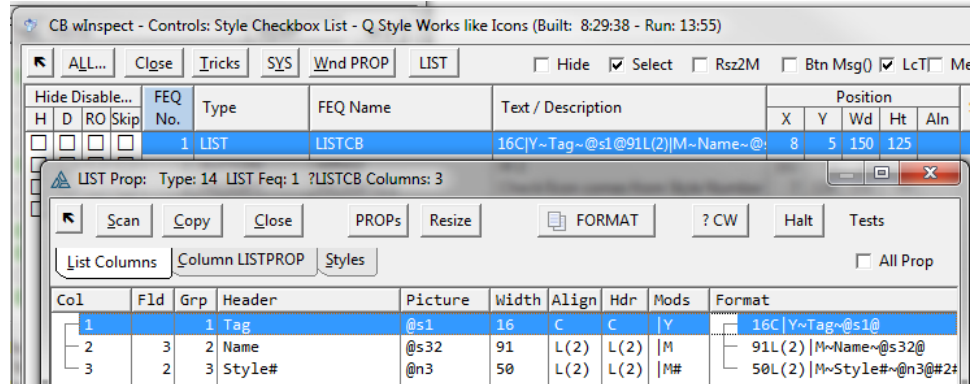
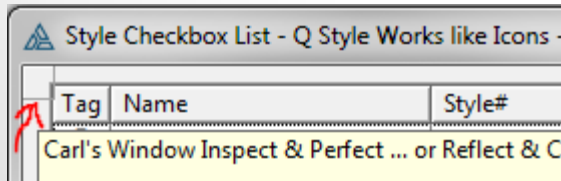
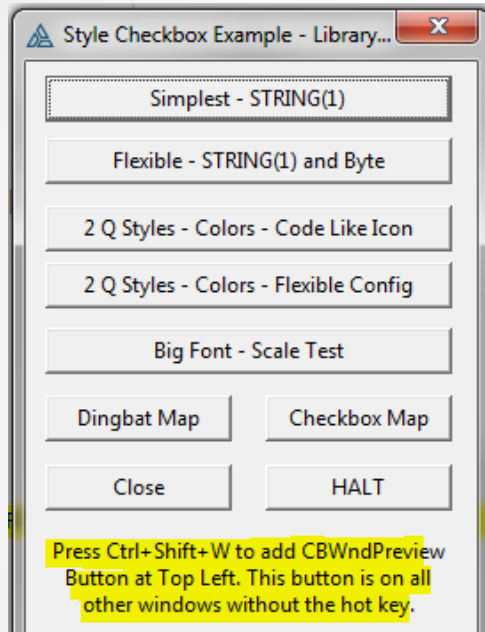
Dingbat Map - Tooltip shows Val() and Chr()

Char	Numbers	Consolas	Wingdings	Wingdings 2	Wingdings 3		
50	106	162	218	2	j	f	0
51	107	163	219	3	k	e	U
52	108	164	220	4	l	m	U
53	109	165	221	5	m	w	y
54	110	166	222	6	n	--	p
55	111	167	223	7	o	s	e
56	112	168	224	8	p	v	a
57	113	169	225	9	q	@	a
58	114	170	226	:	<	r	a
59	115	171	227	:	s	r	a
60	116	172	228	:	t	r	a
61	117	173	229	:	u	v	a
62	118	174	230	:	v	e	a
63	119	175	231	:	w	o	e
64	120	176	232	:	x	z	e
65	121	177	233	:	y	z	e
66	122	178	234	:	z	{	e
67	123	179	235	:	{	}	e
68	124	180	236	:			1

Checkbox Character Ideas

Unchecked			Checked			Font Name
No	Ch	Bx	Bx	Ch	No	
168	--	<input type="checkbox"/>	<input checked="" type="checkbox"/>	b	254	Wingdings
111	o	<input type="checkbox"/>	<input checked="" type="checkbox"/>	y	253	Wingdings
112	p	<input type="checkbox"/>	<input checked="" type="checkbox"/>	x	120	Wingdings
168	--	<input type="checkbox"/>	<input checked="" type="checkbox"/>	n	110	Wingdings
161	i	<input type="checkbox"/>	<input checked="" type="checkbox"/>	n	164	Wingdings
162	f	<input type="checkbox"/>	<input checked="" type="checkbox"/>	l	108	Wingdings
32		<input type="checkbox"/>	<input checked="" type="checkbox"/>	ü	252	Wingdings
163	f	<input type="checkbox"/>	<input checked="" type="checkbox"/>	S	83	Wingdings 2
164	n	<input type="checkbox"/>	<input checked="" type="checkbox"/>	P	80	Wingdings 2
129		<input type="checkbox"/>	<input checked="" type="checkbox"/>	R	82	Wingdings 2
153	™	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Q	81	Wingdings 2
154	§	<input type="checkbox"/>	<input checked="" type="checkbox"/>	T	84	Wingdings 2
155	>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	U	85	Wingdings 2
79	o	<input type="checkbox"/>	<input checked="" type="checkbox"/>	V	86	Wingdings 2

# Example has CB Wnd Preview



# Resize LIST for Perfect Size

Style Checkbox List

Tag	Name
<input checked="" type="checkbox"/>	January
<input checked="" type="checkbox"/>	February
<input type="checkbox"/>	March
<input type="checkbox"/>	April
<input type="checkbox"/>	May
<input type="checkbox"/>	June
<input checked="" type="checkbox"/>	July
<input checked="" type="checkbox"/>	August
<input checked="" type="checkbox"/>	September
<input type="checkbox"/>	October
<input type="checkbox"/>	November
<input type="checkbox"/>	December

Style Z(1) in FORM, Wingdings 2. It sets selecting the row d  
Only 1 STRING(1) is string comparison

Wingdings 1

WYSIWYG 1 LIST - ?LISTCB

Save Cancel Halt PROPS LIST Right ▾

Undo Font... Color Tip... Test ⬅ G...

AT(10,2,150,125)

AT(10,2,150,120)

Align: None ▾ 0 ◀ ▶

X 10 ◀ ▶ Y 2 ◀ ▶

W 150 ◀ ▶ H 120 ◀ ▶

☐ Default ☐ Default ☐ Full ☐ Full

List Cols Resizable Items: 12

Text:

☒ Window Resize 169 ◀ ▶ 195 ◀ ▶

☐ Hide ☐ Disable  
☐ Flat ☐ TRN  
☐ Round  
☐ HScroll  
☐ VScroll  
☐ VCR  
☐ Centered  
☐ Tiled  
☐ Smooth

Style Checkbox List - STRING(1) Z(1)

Tag	Name
<input checked="" type="checkbox"/>	January
<input checked="" type="checkbox"/>	February
<input type="checkbox"/>	March
<input type="checkbox"/>	April
<input type="checkbox"/>	May
<input type="checkbox"/>	June
<input checked="" type="checkbox"/>	July
<input checked="" type="checkbox"/>	August
<input checked="" type="checkbox"/>	September
<input type="checkbox"/>	October
<input type="checkbox"/>	November
<input type="checkbox"/>	December

Style Z(1) in FORMAT to set column 1 to Wingdings 2. It sets Selected colors to Normal so selecting the row does not change box colors. Only 1 STRING(1) is used, but the negative is a string comparison versus byte 1/0.

Wingdings 1 ☒ Fix Selected Colors



# Method Z - Column Style Z(#)

Code same as Text 'X' check

Style Z(#) in Format, not in Queue

Style sets Wingding Font for Column

Limited to One Font and Color for Column

Queue has STRING(1) with Check Character

Wingdings has check characters “☐ ☒ ☒ ”

# Method Y - Cell Style in Queue

Code very similar to PROP:ListIcon

Queue has STRING(1) and LONG Style

Style LONG is Checked Status and Symbol

Can use multiple Fonts and Colors

Style can have Picture @P<253>P with

Check Character to show e.g. “☐ ☒ ☒ ”

# LIST Styles for Icons

Styles + Wingding alternate to Icons

Draw attention with colored Symbols

Unicode brings 1000s of new symbols

Tag	Name
↕	January
↘	February
↘	March
↕	April
↘	May
↕	June
↘	July
↕	August
↘	September
↘	October
↘	November
↘	December

Tag	Name
●	January
■	February
●	March
■	April
■	May
■	June
■	July
■	August
●	September
●	October
■	November
■	December

Tag	Name
▲	January
▼	February
▲	March
▲	April
▲	May
▼	June
▲	July
▲	August
▲	September
▲	October
▼	November
▼	December

Tag	Name
⦿	January
○	February
⦿	March
○	April
⦿	May
⦿	June
⦿	July
⦿	August
○	September
○	October
⦿	November
○	December

Tag	Name
?	January
?	February
?	March
?	April
✓	May
✓	June
?	July
✓	August
✓	September
✓	October
✓	November
✓	December

# Click Header LIST Sort - Old

ALRT(MouseLeft) to Detect Header Click

Code in EVENT:PreAlertKey and Alert

PROPList:MouseDownRow=0 (Header)

PROPList:MouseDownZone<> Right (Resize)

LIST Broken without PreAlert Cycle

# C9 New PropList:HasSortColumn

?List{PROPLIST:HasSortColumn}=True

Header click posts EVENT:HeaderPressed

Resize Zone clicks do not post event

Column clicked in

?List{PROPLIST:SortColumn}

# C9 PropList:HasSortColumn

Colors for Header and Data of Sort Column

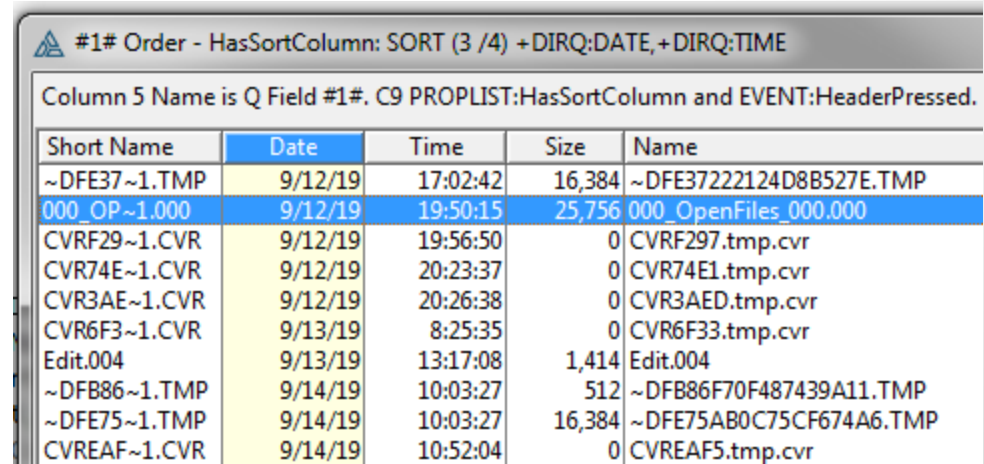
CYCLE in Event prevents Coloring

Set Colored Column: PROPLIST:SortColumn

Colors Optional

Highlight Text

& Tool Tip Data



Column 5 Name is Q Field #1#. C9 PROPLIST:HasSortColumn and EVENT:HeaderPressed.				
Short Name	Date	Time	Size	Name
~DFE37~1.TMP	9/12/19	17:02:42	16,384	~DFE37222124D8B527E.TMP
000_OP~1.000	9/12/19	19:50:15	25,756	000_OpenFiles_000.000
CVRF29~1.CVR	9/12/19	19:56:50	0	CVRF297.tmp.cvr
CVR74E~1.CVR	9/12/19	20:23:37	0	CVR74E1.tmp.cvr
CVR3AE~1.CVR	9/12/19	20:26:38	0	CVR3AED.tmp.cvr
CVR6F3~1.CVR	9/13/19	8:25:35	0	CVR6F33.tmp.cvr
Edit.004	9/13/19	13:17:08	1,414	Edit.004
~DFB86~1.TMP	9/14/19	10:03:27	512	~DFB86F70F487439A11.TMP
~DFE75~1.TMP	9/14/19	10:03:27	16,384	~DFE75AB0C75CF674A6.TMP
CVREAF~1.CVR	9/14/19	10:52:04	0	CVREAF5.tmp.cvr

# C9 PropList:HasSortColumn

Column clicked is PROPLIST:SortColumn

Better to use same old Sort code:

```
Col#=?List{PROPLIST:MouseDownField}
```

To get Queue Field for WHO (always do):

```
QFld#=?List{PROPLIST:FieldNo, Col#}
```

Can assign: MouseDownField/SortColumn

# LIST Column Sort Example

Alert Mouse and PropList:HasSortColumn  
Columns out of Queue order

HasSortColumn: SORT (1 / 1) PROPLIST:SortColumn=1

Column Sorting done with C9 PROPLIST:HasSortColumn and

Name	Short Name
~DFFF04AB6EF55AF6E0.TMP	~DFFF0~1.TMP
~DFF1AE2F453E461E26.TMP	~DFF1A~1.TMP
~DFE75AB0C75CF674A6.TMP	~DFE75~1.TMP
~DFE37222124D8B527E.TMP	~DFE37~1.TMP
~DFDFE5DB223B40C642.TMP	~DFDFE~1.TMP
~DFDB27C8B0F26C3B2D.TMP	~DFDB2~1.TMP
~DFCFDF5B9EF2578EF8.TMP	~DFCFD~1.TMP
~DFCF8C18FFF108D9AD.TMP	~DFCF8~1.TMP
~DFBBAD8C12C9770B22.TMP	~DFBBA~1.TMP

#1# Order - HasSortColumn: SORT (3 / 4) +DIRQ:DATE, +DIRQ:TIME

Column 5 Name is Q Field #1#. C9 PROPLIST:HasSortColumn and EVENT:HeaderPressed.

Short Name	Date	Time	Size	Name
~DFE37~1.TMP	9/12/19	17:02:42	16,384	~DFE37222124D8B527E.TMP
000_OP~1.000	9/12/19	19:50:15	25,756	000_OpenFiles_000.000
CVRF29~1.CVR	9/12/19	19:56:50	0	CVRF297.tmp.cvr
CVR74E~1.CVR	9/12/19	20:23:37	0	CVR74E1.tmp.cvr
CVR3AE~1.CVR	9/12/19	20:26:38	0	CVR3AED.tmp.cvr
CVR6F3~1.CVR	9/13/19	8:25:35	0	CVR6F33.tmp.cvr
Edit.004	9/13/19	13:17:08	1,414	Edit.004
~DFB86~1.TMP	9/14/19	10:03:27	512	~DFB86F70F487439A11.TMP

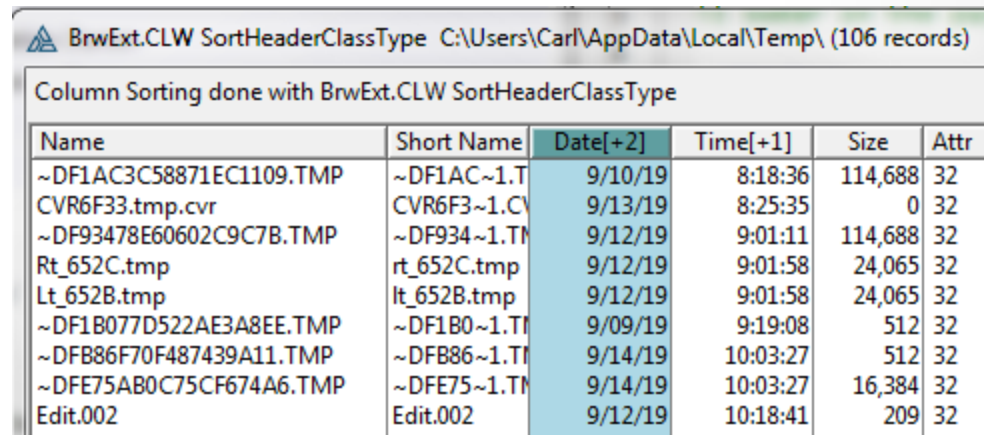
9/14/19	10:03:27
9/12/19	17:02:42
9/14/19	13:13:36
9/14/19	16:59:53
9/14/19	19:04:14
9/14/19	13:49:24
9/12/19	16:09:38



# LIST Sort BrwExt Example

LibSrc has BrwExt.INC / .CLW

Many features like Ctrl+ Multi-Column  
Template BrwExt.TPW



BrwExt.CLW SortHeaderClassType C:\Users\Carl\AppData\Local\Temp\ (106 records)

Column Sorting done with BrwExt.CLW SortHeaderClassType

Name	Short Name	Date[+2]	Time[+1]	Size	Attr
~DF1AC3C58871EC1109.TMP	~DF1AC~1.T	9/10/19	8:18:36	114,688	32
CVR6F33.tmp.cvr	CVR6F3~1.CV	9/13/19	8:25:35	0	32
~DF93478E60602C9C7B.TMP	~DF934~1.TM	9/12/19	9:01:11	114,688	32
Rt_652C.tmp	rt_652C.tmp	9/12/19	9:01:58	24,065	32
Lt_652B.tmp	lt_652B.tmp	9/12/19	9:01:58	24,065	32
~DF1B077D522AE3A8EE.TMP	~DF1B0~1.TM	9/09/19	9:19:08	512	32
~DFB86F70F487439A11.TMP	~DFB86~1.TM	9/14/19	10:03:27	512	32
~DFE75AB0C75CF674A6.TMP	~DFE75~1.TM	9/14/19	10:03:27	16,384	32
Edit.002	Edit.002	9/12/19	10:18:41	209	32

# CB Wnd Preview

Show some stuff