



Create Base Webster+ Pages Utility

DireXions 2025 – Pathways to Progress

Create Base Webster+ Page(s)

Overview

- The **Create Base Webster+ Page(s)** utility is the first step in converting existing NOMADS panels into Webster+ HTML pages in situations where an existing application is being moved to a Web environment using Webster+
- Where possible, information from the panel is converted to Webster+ [Short Codes](#)
 - However, not everything that is supported in NOMADS has an existing short code or option in Webster+

Create Base Webster+ Page(s)

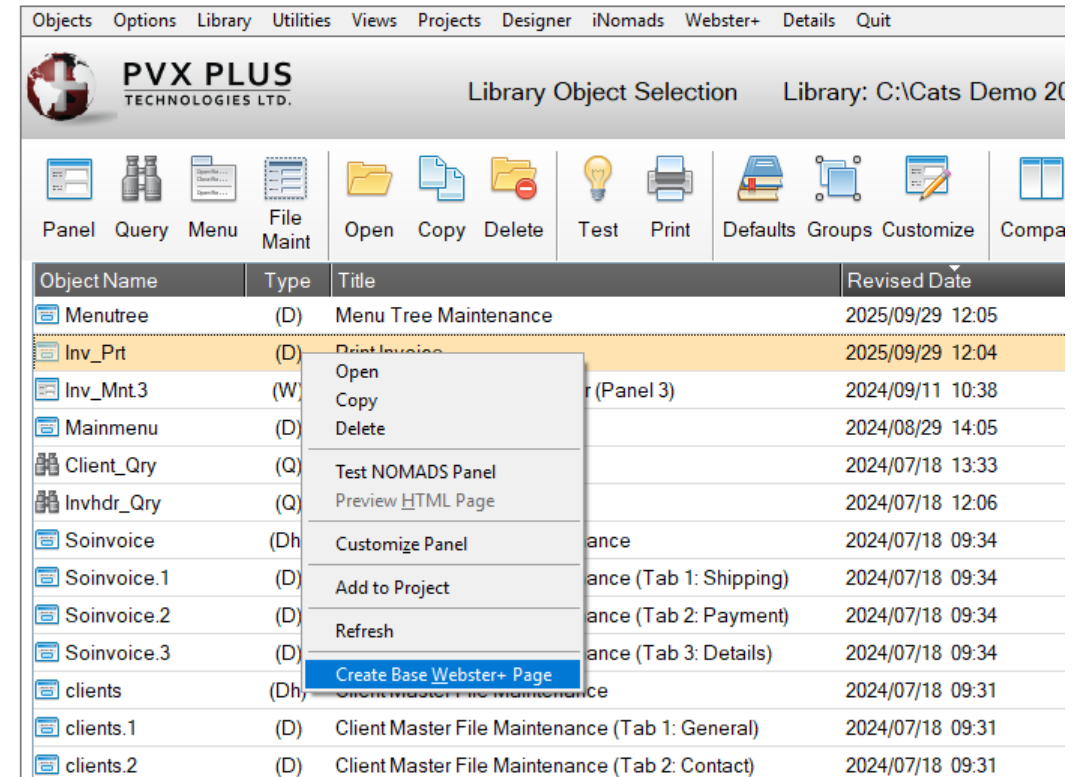
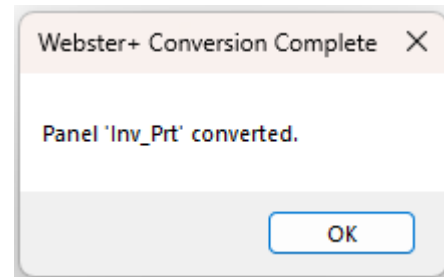
Two Ways to Convert

- Individual Panels
- Multiple Panels

Note: The Webster+ pages directory must be defined in the screen library before you can convert

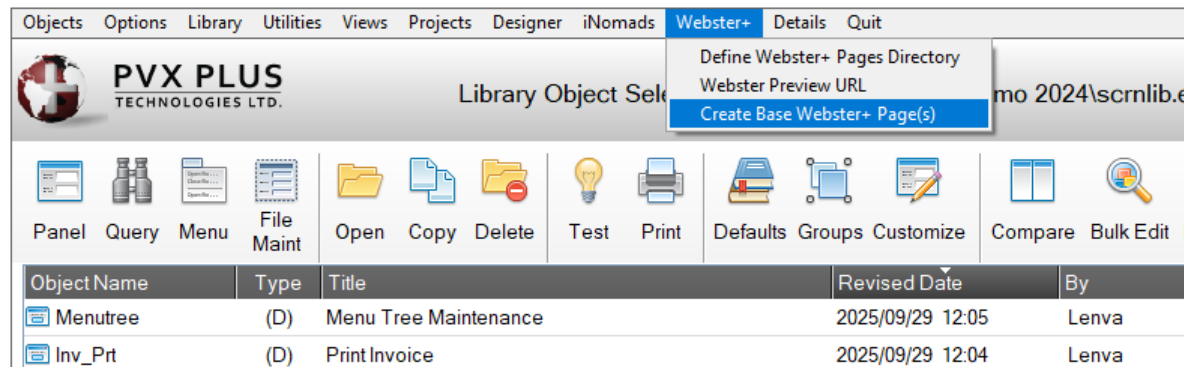
Convert Individual Panel in Library

- Open Library Object Selection in NOMADS
- Select a single panel to convert
- Right-click to display the popup menu and select the Create Base Webster+ Page option
 - A message box appears when the conversion is completed



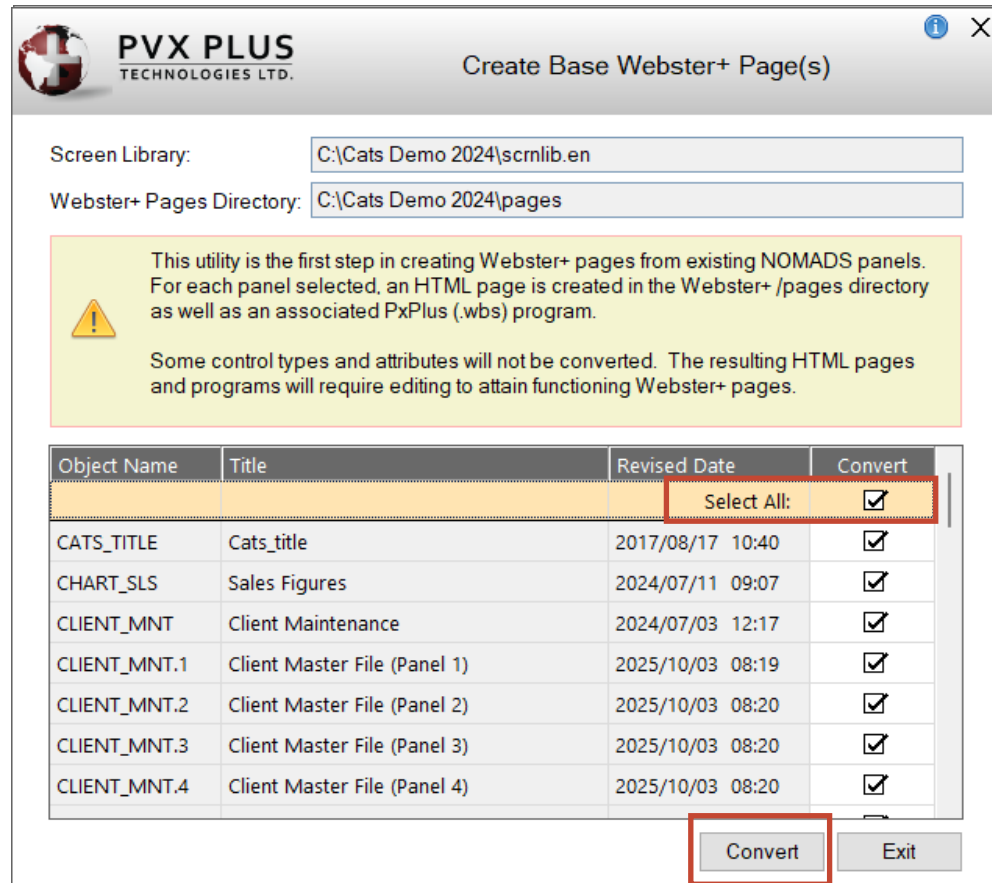
Convert Multiple Panels in Library

- From Library Object Selection
- Click Webster+ in the top menu bar and select Create Base Webster+ Page(s) from the menu



- The Create Base Webster+ Page(s) utility displays

Create Base Webster+ Page(s) Dialog



Converting Multiple Panels

- All Dialog and Window objects from the screen library, except for those last generated as File Maintenance panels, are loaded into the grid
- Select the panels to convert by clicking individual checkboxes
- Alternatively, to convert all panels, click the Select All checkbox
- Click the Convert button at the bottom of the dialog

Files Generated

The utility creates *both* an HTML file *and* a PxPlus program for every panel converted

HTML FILES

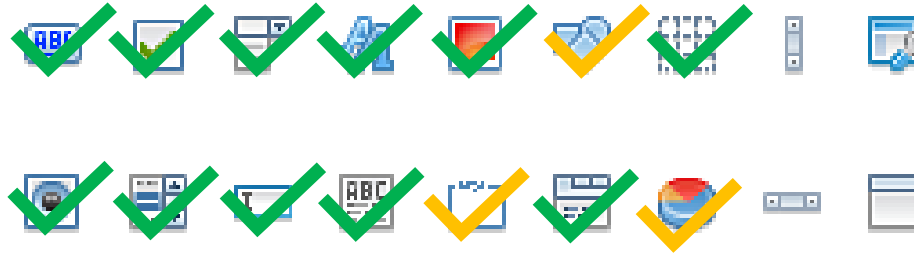
- Are updated to the **Webster+ Pages Directory** defined for the current screen library
- A HTML page for each panel is created and named in the format - **panelname.html**
- Converted panels containing folders will result in one HTML file containing short codes for all folder tabs

PXPLUS PROGRAMS

- Also creates an associated program - **panelname.wbs**
- Location is determined according to the PREFIX rules currently in effect
- Empty methods required for handling events (NOMADS logic) defined in the NOMADS controls, such as “When Button Pressed” for Buttons and “On Change” for Multi-line events are created and added to the program

NOMADS Controls to HTML Page

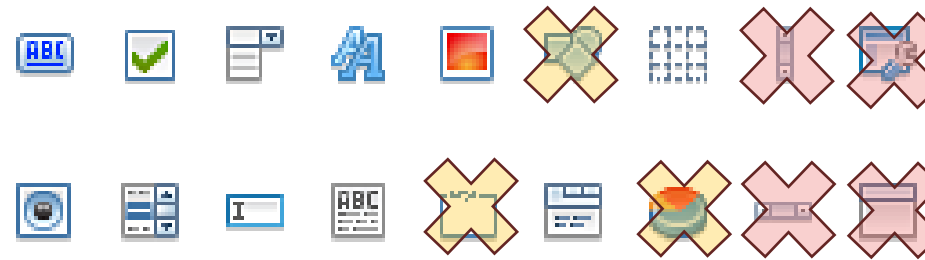
What is converted?



- Buttons
- Charts
 - Smart Charts only
- Check Boxes
- Drop Boxes
- Fixed/Fonted Text
- Folders
- Frames (Boxes)
 - ≤ 1 line high only
- Grids
- Shapes - Horizontal Line
- Images
- List Boxes
- Multi-Lines
- Radio Buttons

NOMADS Controls to HTML Page

What is NOT converted?



- Shapes
 - Other than Horizontal lines
- Frames (Boxes)
 - With Heights of more than 1 line
- Horizontal Scrollbars
- Vertical Scrollbars
- Charts
 - Not loaded via SmartLoad
- External Controls
- Embedded Panels

HTML Page – also NOT Converted

Panel

- Pre-Display, Post-Display and On Exit Logic
- Foreground and Background Colors
- Precise Layout
- Theme
- Dependencies

Controls

- Post Create and When Receiving Focus Logic
- Background Colors for Check Boxes and Radio Buttons
- Visual Classes
- Italics Font Attribute

- Most appearance related attributes are controlled by CSS

.WBS Program Contents

Comment elements added to all programs

- A Webster+ bind line with the path to the bound HTML page
`%webster'BindFile$="C:\webster1\pages/customer.html"`
- A Handle event section with logic to intercept the events triggered by changes to the Web page and send program control to the proper methods defined for the events

! Handle events

goto lno("EVENT_" + _event\$, err = *next)

%webster'msgbox("Invalid event: " + _event\$, "Internal Error - " + pgm(-3), "!")

!

exit

.WBS Program Contents (continued)

Methods for Controls with Event logic are added

- Any Button control with '**When Button Pressed**' event logic will result in a method called `EVENT_CONTROL_NAME_PRESSED` (where CONTROL_NAME is the name of the Button control)
 - i.e. `EVENT_CLOSE_BTN_PRESSED` – where `CLOSE_BTN` is the name of the button
- Any other control type with "**On Change**" event logic will result in a method called `EVENT_CONTROL_NAME_CHANGED` (where CONTROL_NAME is the name of the control)
 - i.e. `EVENT_VENDOR_NO_CHANGED` where `VENDOR_NO` is the control name
- The above event methods are created with:
 - Method label
 - Remark line indicating what the logic is (i.e. Perform..., Call..., etc)
 - Exit Statement

NOTE

Developer to review the NOMADS code indicated and translate it appropriately to work in Webster+



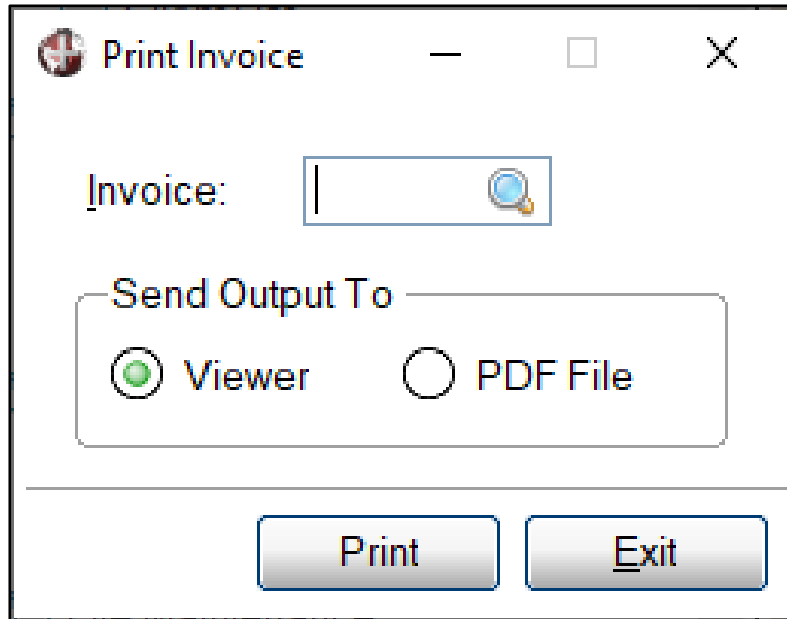
What's New in PxPlus 2025

**Create Base
Webster+ Page(s)**

**Sample Panel
Conversion**

Pathways to Progress

Sample Panel Conversion



NOMADS Panel (Print Invoice – inv_prt)

- A HTML file and a PxPlus program will be created
 - inv_prt.html - html file
 - inv_prt.wbs - program file

.html file running in Webster+

« Webster Plus

Print Invoice

Invoice:

Box/Frame
BOXES_1\$ not
converted

☐ Viewer ☐ PDF File

Print Exit

input INVOICENUMBER\$ size=13 len=6 event=INVOICENUMBER_CHANGED query="scrnlib.EN;INVHDR_QRY"

Cleanup needed

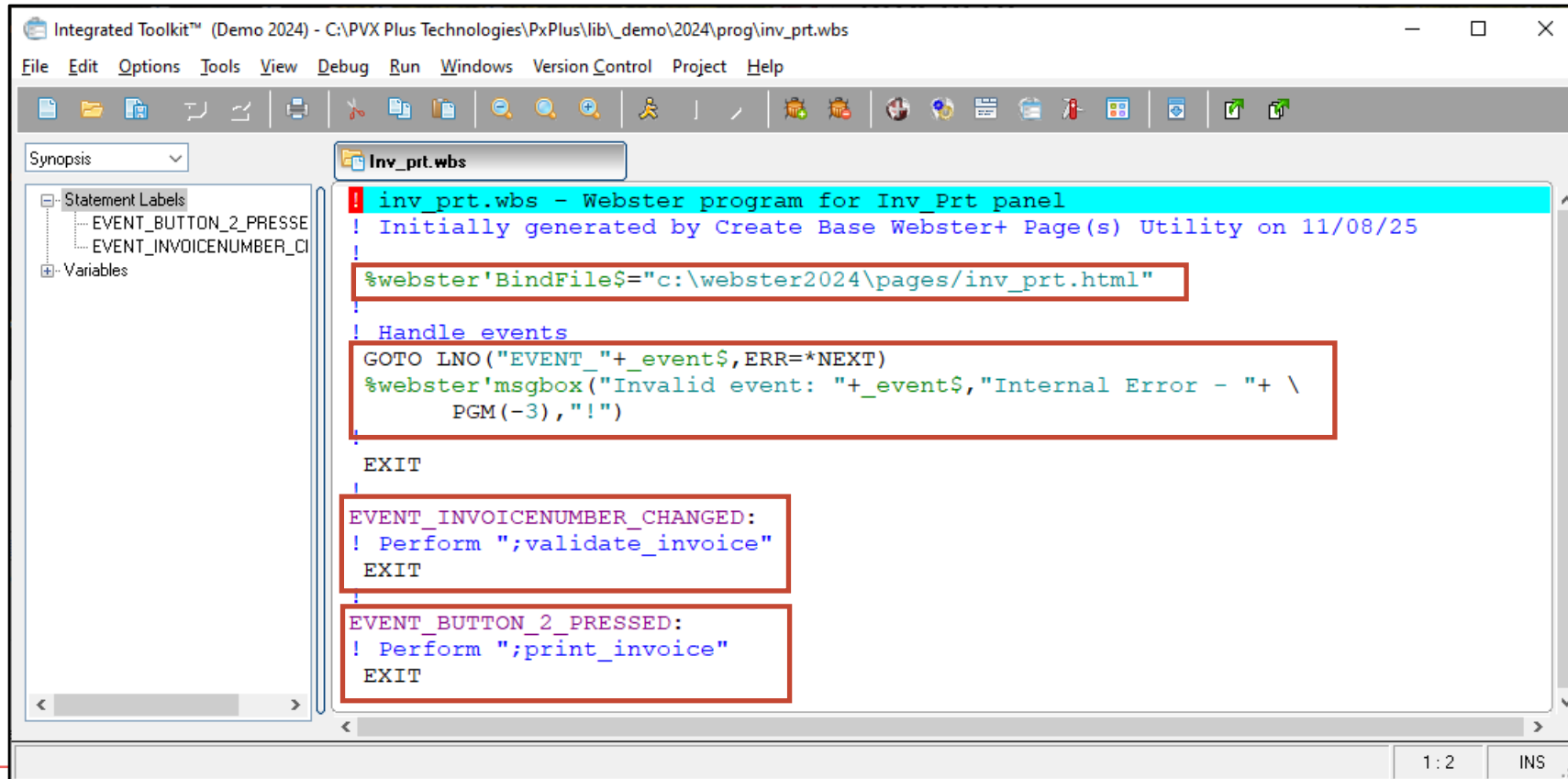
- Remove the short codes created for any controls not converted
- Remove any unsupported controls
- Correct alignment by removing codes (non-breaking spaces)
- Assign [section] short codes for whole, half, third, quarter or flex sections as desired
- Fine-tune the converted file as needed

Converted inv_prt.html file in Notepad

Pathways to Progress

.wbs PxPlus program created

Converted inv_prt.wbs program



```
Integrated Toolkit™ (Demo 2024) - C:\PVX Plus Technologies\PxPlus\lib\_demo\2024\prog\inv_prt.wbs
File Edit Options Tools View Debug Run Windows Version Control Project Help

Synopsis
- Statement Labels
  - EVENT_BUTTON_2_PRESSED
  - EVENT_INVOICENUMBER_CHANGED
- Variables

Inv_prt.wbs
! inv_prt.wbs - Webster program for Inv_Prt panel
! Initially generated by Create Base Webster+ Page(s) Utility on 11/08/25
%webster'BindFile$="c:\webster2024\pages\inv_prt.html"
! Handle events
GOTO LNO("EVENT_"+_event$,ERR=*NEXT)
%webster'msgbox("Invalid event: "+_event$,"Internal Error - "+ \
PGM(-3),"!")
EXIT
EVENT_INVOICENUMBER_CHANGED:
! Perform ";validate_invoice"
EXIT
EVENT_BUTTON_2_PRESSED:
! Perform ";print_invoice"
EXIT

1:2 INS
```

Edited inv_prt.html file

Changes

- Removed frame and replaced with `<hr>`
- Corrected query path
- Removed unnecessary ` `'s
- Adjusted [section] short codes
- Added some `<br>`'s And `<hr>`'s for spacing
- Radio Button default corrected

[illegible]

Edited inv_prt.wbs program

Changes

- Removed remarks referencing NOMADS code
- Replaced with methods based on existing NOMADS code
- Added methods as needed
 - %webster'msgbox()
- Radio Button values

```
Integrated Toolkit™ (Demo 2024) - C:\PVX Plus Technologies\PxPlus\lib\demo\2024\prog\inv_prt.wbs
File Edit Options Tools View Debug Run Windows Version Control Project Help

Synopsis
  Statement Labels
    EVENT_BUTTON_2_PRESSED
    EVENT_INVOICENUMBER_CHANGED
    REPORT_ERR
    VALIDATE_INVOICE
  Variables

Inv_prt.wbs
  Invprt.one
  Frm_webmaint

EVENT_INVOICENUMBER_CHANGED:
  GOSUB VALIDATE_INVOICE
  EXIT

VALIDATE_INVOICE:
  _info_err$="Unable to open the Invoice Header File"
  OPEN (HFN,IOL=*,ERR=REPORT_ERR) "demo/2024/data/invhdr" FOR PROGRAM
  IF invoicenumber$="" \
    THEN _info_err$="Please select an invoice." \
    ELSE _info_err$="Invoice number not on file."
  invoicenumber$=STR(NUM(invoicenumber$):"000000",ERR=REPORT_ERR);
  READ (LFO,KEY=invoicenumber$,DOM=REPORT_ERR);
  CLOSE (LFO)
  RETURN
!
REPORT_ERR:
  %webster'msgbox(_info_err$,"FYI")
  CLOSE (LFO,ERR=*NEXT)
  EXIT

EVENT_BUTTON_2_PRESSED:
  GOSUB VALIDATE_INVOICE
  IF output$="1" \
    THEN PERFORM "invprt;output_to_viewer" \
    ELSE PERFORM "invprt;output_to_pdf"
  EXIT

13:9 INS
```

Completed Webster+ Page

Running page in Webster+ with final edits

- Query now functioning correctly
- Invoice entry being validated
- Radio Buttons working
- Print Button working

The screenshot displays the 'Webster Plus' web application interface. The main page is titled 'Print Invoice' and features a sidebar with navigation links: 'Inspector', 'Setup', 'Logoff', 'Admin', 'Privacy Policy', and 'Statistics'. The main content area shows the 'Print Invoice' button and an 'Invoice' field with the value '100002'. A magnifying glass icon is next to the invoice number field. Below the invoice field, there are radio buttons for 'Viewer' (selected) and 'PDF File'. An 'Invoice Query' modal is open, displaying a table of invoice data. The table has columns for Invoice #, Client ID, Invoice Date, Due Date, Date Paid, Taxable Am..., Tax, and Rep. The modal also includes 'Print' and 'Download' buttons at the bottom, and 'Select' and 'Cancel' buttons at the bottom right. The browser's address bar shows the URL 'http://127.0.0.1:8088/webster.pxp?pg\$=inv_prt'.

Invoice #	Client ID	Invoice Date	Due Date	Date Paid	Taxable Am...	Tax	Rep
100000	505879	13 Oct 2023	10 Nov 2023	14 Nov 2023	752.50	37.63	CM
100001	783846	28 Feb 2023	28 Mar 2023	22 Mar 2023	300.00	39.00	BM
100002	890036	22 Dec 2023	19 Jan 2024	27 Jan 2024	913.75	137.06	AN
100003	919602	16 Mar 2023	13 Apr 2023	12 Apr 2023	983.75	127.89	BT
100004	677445	24 Feb 2024	23 Mar 2024	25 Mar 2024	1,192.50	155.03	HK
100005	560419	10 Oct 2022	07 Nov 2022	29 Oct 2022	522.50	62.70	OB
100006	429878	04 Jul 2023	01 Aug 2023	06 Aug 2023	1,128.50	146.71	HK
100007	961242	24 Dec 2022	21 Jan 2023	11 Jan 2023	205.00	26.65	DK
100008	935462	27 Feb 2024	26 Mar 2024	20 Mar 2024	546.25	76.48	AN
100009	089154	27 Jun 2023	25 Jul 2023	25 Jul 2023	1,471.75	220.76	AN
100010	861397	23 Jul 2022	20 Aug 2022	21 Aug 2022	61.25	3.06	OB
100011	826016	16 Dec 2023	13 Jan 2024	11 Jan 2024	697.50	90.68	HK
100012	895258	21 Sep 2022	19 Oct 2022	21 Oct 2022	393.50	59.03	GT
100013	891809	18 Jan 2023	15 Feb 2023	16 Feb 2023	243.75	31.69	BT

Create Base Webster+ Page(s)

Useful Links

Help

[Create Base Webster Page\(s\)](#)

[Webster+ Web Development Toolkit](#)

Videos (Webster+)

[Web Development Setup & Configuration](#)

[Web Application Development Series](#)

Take Webster+ demo application for a test drive

<https://testdrive.pvxplus.com>

Test drive page also contains a ZIP and TAZ file with all sample HTML pages, programs and data used for the demo