Windows To Web

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Windows To Web OVERVIEW

- Same compiler

- Same designer

- New .pwf form type

- New properties and methods for web integration

- New static objects (CLIENT, RUNTIME, XDATA)

Missing In Action

- Client side ActiveX support

- .NET support

- Drag and Drop

- TREEVIEW, RICHEDITTEXT, STATUSBAR, TOOLBAR

Missing In Action

- **ANIMATE, CHECKGRP, DIALOG, HSCROLLBAR, VSCROLLBAR**

- **IMAGELIST, MOVIE, RADIOGRP, SPLITTER**

- **CLIPGET,CLIPSET,DRAGITEM,GETFNAME,GETSTRING**

- **PAGESETUP,PARAMTEXT,PRTPLAY,SETWITITLE**

Missing In Action

- SNDCLOSE,SNDOPEN,SNDPLAY,SNDRECORD

- Only basic BUTTONs

- Limited ALERT

- Limited client side printing

Enhancements

- Unicode character set support

- WINDOW USECSS property to load a CSS file

- WEBCLASS property to assign CSS class

- SetWebStyle and GetWebStyle methods for CSS interaction

Enhancements

- GetWebId method retrieves browser object identifier(s)

- SetJqUiOpt method allows JQueryUI customization

- PANEL InnerHtml method for full html support

- APICALL (WINAPI) can be used to invoke custom javascript

Enhancements

- Virtual DATALIST and LISTVIEW objects

- Window DIVISIONID property places window in a specific <div>

Unicode Support

- **CONVERTUTF instruction allows UTF8/UTF16 conversions**

- **EDITTEXT methods GetUnicode and SetUnicode**

- **CLIENT method SetUTF8Convert**

 –**Mode 0 turns off UTF8 conversion**

 –**Mode 1 turns on UTF8 conversion (default)**

 –**Mode 2 turns on a character map table**

 –**Mode 400 to 65536 uses a code page for UTF8 conversion**

PICTUREs and ICONs

- No AUTOZOOM support

- URLSOURCE property defines a URL for a web resource

- PLBWEB_EXTRACT_IMAGES keyword for automatic RESOURCE image extraction

PICTUREs and ICONs

- Supports .jpg, .jpeg, and .ico files

- PLBWEB_IMAGES keyword for directory for extracted images

- ALTTEXT property defines the text that is rendered when the image is not shown

LABELTEXT Extensions

- Added new APPEARANCE values to enhance mobile support

- APPEARANCE is only used when the object is CREATEd

- $LIST creates an unordered list with the PLB CSS class 'ltl'

- TEXT property can contain items separated by a '|' character

LABELTEXT Extensions

- List is stacked as tabs in a vertical orientation

- $H1 creates a <h1> header presentation with the PLB CSS class 'lth'

- $PROG creates a progress <div> presented using the PLB CSS class 'ltp'

- Progress <div> gives a semi-transparent background

File Upload/Download

- All file transfers require user interaction

- BUTTON object is used for upload interaction

– BUTTONTYPE of $FILEINPUT allows use to select files for COPYFILE

- SetFileOptions method sets options used by the File Upload dialog

File Upload/Download

- **GetFileCount method retrieves the number of files that have been selected**

- **GetFileItem method retrieves the file names that have been selected**

- **Files can be moved to the server using COPYFILE**

- **Files can be moved to the client using CLIENT object open method**

Runtime Object

- GetDir method will return
  - 0 the current working directory
  - 1 PLBWEB_PROGRAM_ROOT directory
  - 2 PLBWEB_SSL_PROGRAM_ROOT directory
  - 3 PLBWEB_ROOT directory
  - 4 PLBWEB_SSL_ROOT directory

- CgiString method retrieves CGI (Common Gateway Interface) data

Client Object

- AddCss method loads custom CSS classes from a URL

- FlushMessages method causes any messages buffered to be flushed

- GetInfo method retrieves basic metadata about the current client UI

- availHeight, availWidth and userAgent are two commonly used metadata fields

Client Object

- **GetLocation method retrieves the client browser latitude and longitude coordinates**

- **GetState method retrieves the SSL state**

- **GetWinInfo method retrieves information on the browser window**

- **JsMakeString method converts a data string into a JSON string**

Client Object

- **Open method opens a new browser window**

- **Print method prints the contents of the current window**

- **SetUTF16Table method specifies a UNICODE translation table**

- **SetUTF8Convert method controls the UTF8 byte conversion modes**

Client Object

- JsRun method compiles and executes javascript

- StorageGet method retrieves localStorage, sessionStorage, or cookie objects

- StorageSet method sets localStorage, sessionStorage, or cookie objects