

1.1 Ziel und Realisierung des Projektes MyWebBrowser

Verwendung der Komponente: TWebBrowser aus Komponentenpalette „Internet“



- ☞ Erzeugen Sie ein neues Projekt "MyWebBrowser" im gleichnamigen Order.
- ☞ Editieren Sie die Oberfläche entsprechend der nebenstehenden Abbildung.
- ☞ Erzeugen Sie Schritt für Schritt den Programmcode, entsprechend dem Beispiel-Code.

```
//-----
#include <vcl.h>
#pragma hdrstop
#include "Unit1.h"
//-----
#pragma package(smart_init)
#pragma resource "*.dfm"
TForm1 *Form1;
//-----
__fastcall TForm1::TForm1(TComponent* Owner)
: TForm(Owner)
{ }
//-----
void __fastcall TForm1::Go_Click(TObject *Sender)
{ this->WebBrowser1->Navigate((WideString)Edit1->Text); }
//-----
void __fastcall TForm1::Back_Click(TObject *Sender)
{
    try { this->WebBrowser1->GoBack(); }
    catch(...) {}; //allgemeine Fehlerbehandlung
}
//-----
void __fastcall TForm1::Forward_Click(TObject *Sender)
{
    try { this->WebBrowser1->GoForward(); }
    catch(...) {}; //allgemeine Fehlerbehandlung
}
//-----
void __fastcall TForm1::Edit1KeyDown(TObject *Sender, WORD &Key,
TShiftState Shift)
{ if (Key==0x00d) { Go_Click(Form1); } //wenn Enter, dann Navigate() }
//-----
void __fastcall TForm1::Refresh_Click(TObject *Sender)
{ this->WebBrowser1->Refresh2(); }
```

```

}
//-----
void __fastcall TForm1::Stop_Click(TObject *Sender)
{
    this->WebBrowser1->Stop();
}
//-----

```

1.2 TWebBrowser <http://msdn.microsoft.com/de-de/library/aa752085%28en-us,VS.85%29.aspx>

1.2.1 Eigenschaften

Application	Gets the automation object for the application that is hosting the WebBrowser Control .
Busy	Gets a value that indicates whether the object is engaged in a navigation or downloading operation.
Container	Gets an object reference to a container.
Document	Gets the automation object of the active document, if any.
Height	Sets or gets the height of the object.
Left	Sets or gets the coordinate of the left edge of the object.
LocationName	Retrieves the path or title of the resource that is currently displayed.
LocationURL	Gets the URL of the resource that is currently displayed.
Offline	Sets or gets a value that indicates whether the object is operating in offline mode.
Parent	Gets the parent of the object.
ReadyState	Gets the ready state of the object.
RegisterAsBrowser	Sets or gets a value that indicates whether the object is registered as a top-level browser window.
Top	Sets or gets the coordinate of the top edge of the object.
TopLevelContainer	Gets a value that indicates whether the object is a top-level container.
Type	Gets the user type name of the contained document object.
Visible	Sets or gets a value that indicates whether the object is visible or hidden.
Width	Sets or gets the width of the object.

1.2.2 Methoden

ExecWB	Executes a command and returns the status of the command execution using the IOleCommandTarget interface.
GetProperty	Gets the value associated with a user-defined property name.
GoBack	Navigates backward one item in the history list.
GoForward	Navigates forward one item in the history list. GoHome Navigates to the current home or start page.
GoSearch	Navigates to the current search page.
Navigate	Navigates to a resource identified by a URL or to a file identified by a full path.
Navigate2	Navigates the browser to a location that might not be expressed as a URL, such as a pointer to an item identifier list (PIDL) for an entity in the Microsoft Windows Shell namespace.
PutProperty	Associates a user-defined name/value pair with the object.
Refresh	Reloads the file that is currently displayed in the object.
Refresh2	Reloads the file that is currently displayed with the specified refresh level.
Stop	Cancels a pending navigation or download, and stops dynamic page elements, such as background sounds and animations.

1.2.3 Ereignisse

BeforeNavigate	Fires before navigation occurs in the given object (on either a window or frameset element).
BeforeNavigate2	Fires before navigation occurs in the given object (on either a window element or a frameset element).
ClientToHostWindow	Fires to request that the client window size is converted to the host window size.
CommandStateChange	Fires when the enabled state of a command changes.
DocumentComplete	Fires when a document is completely loaded and initialized.
DownloadBegin	Fires when a navigation operation begins.
DownloadComplete	Fires when a navigation operation finishes, is halted, or fails.
FileDownload	Fires to indicate that a file download is about to occur. If a file download dialog box can be displayed, this event fires prior to the appearance of the dialog box.
NavigateComplete	Fires after a navigation to a link is completed on either a window element or a frameSet element.
NavigateComplete2	Fires after a navigation to a link is completed on a window element or a frameSet element.
NavigateError	Fires when an error occurs during navigation.