

# How to customise the TWebBrowser user interface (part 6 of 6)

---

*Demo code, summary, references and feedback.*

---

## Demo Code

---

Demo code to accompany this article is available for download (see below). The demo includes the following:

- ▶ Two applications – `WBUIArtDemo1.exe` and `WBUIArtDemo2.exe` – that include Delphi code for stages 1 and 2 of the sample application.
- ▶ Separate units containing the nul and custom container classes – `UNulContainer.pas` and `UContainer.pas`.
- ▶ `IntfDocHostUIHandler.pas` that contains the declaration of *IDocHostUIHandler*, associated structures and all the *DOCHOSTUIFLAG\_* flags.

This code has been tested with Delphi 7, 2006 and 2010 on Windows XP Pro and Internet Explorer 6 and on Windows Vista Home Premium with Internet Explorer 8.

---

This source code is merely a proof of concept and is intended only to illustrate this article. It is not designed for use in its current form in finished applications. The code is provided on an "AS IS" basis, WITHOUT WARRANTY OF ANY KIND, either express or implied.

The code is open source. `IntfDocHostUIHandler.pas` is licensed under the MPL / GPL / LGPL tri-license and other code can be re-used as required. See the source files for full details. If you agree to all this then please download the code using the following link.

*[Download the demo code](#)*

---

## Summary

---

In this article we have investigated how to customize the appearance of a *TWebBrowser* control.

We noted that we can control the appearance and behaviour of *TWebBrowser* by developing a container object that implements the *IDocHostUIHandler* interface. In order for the browser control to find the *IDocHostUIHandler* implementation we also needed to implement *IOleClientSite*.

We first created a reusable, "do nothing" container class that provided a minimal implementation of the required interfaces. Then we derived a custom class from the "do nothing" container that provided the required customization. We also exposed properties to enable users to manipulate the browser's appearance and behaviour. Finally we developed a sample application to exercise the customizable container.

A downloadable demo program was made available that includes all the code discussed in the article.

## References

---

Several references from MSDN were used in researching this article. They are:

- ▶ *About the Browser.*
- ▶ *WebBrowser Customization.*
- ▶ *IDocHostUIHandler Interface.*
- ▶ *IOleClientSite Interface.*

# Feedback

---

I hope you enjoyed this article and found it useful. If you have any observations, comments or have found any errors please *contact me*.

---

This article is copyright © Peter Johnson 2004-2013



Licensed under a *Creative Commons License*.

---

*Copyright © Peter Johnson (DelphiDabbler) 2002-2020*