

# Re: How to create a modular ASP.NET application ?

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<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.aspnet/2007-08/msg00189.html>

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- *From:* Canice <[canice.bowe@xxxxxxxxxxxxxxxxxxxx](mailto:canice.bowe@xxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Thu, 02 Aug 2007 08:42:09 -0000
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On Aug 1, 4:07 pm, "Cowboy \ (Gregory A. Beamer)" <[NoSpamMgbwo...@xxxxxxxxxxxxxxxxxxxx](mailto:NoSpamMgbwo...@xxxxxxxxxxxxxxxxxxxx)> wrote:

Move your functionality into the business layer, where it belongs. Add a facade to aid the UI layer. And, if there is any business that is client specific, put into its own library.

You can, in general, leave the ASPX files alone and use Themes for client specific. On the pieces that the form works the same, essentially, for all implementations, but slightly different for client, make a client version of a library.

Experience? Sure, I am in the process of doing it now. It is a bugger to get it right and you have to plan it out on paper before getting too far into coding. If you are still embedding code in your ASPX pages, quit it now. It will not be modular.

If you are not well-versed in tiered development, consider purchasing the Design Pattern Framework 2.0 from dofactory.com. It is cheap and will teach you patterns in addition to giving you a reference architecture.

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Gregory A. Beamer  
MVP; MCP: +I, SE, SD, DBA <http://gregorybeamer.spaces.live.com>  
Co-author: Microsoft Expression Web Bible (upcoming)

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Think outside the box!  
\*\*\*\*\*"Canice"  
<[canice.b...@xxxxxxxxxxxxxxxxxxxx](mailto:canice.b...@xxxxxxxxxxxxxxxxxxxx)> wrote in message

[news:1185980316.892187.128740@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:1185980316.892187.128740@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

## Re: How to create a modular ASP.NET application ?

I'm working on a web application where 90% of it is common 'product' code and the other 10% is customer specific.

I want some method of separating the customer specific presentation, business and data access layers from the product code as I don't want the main product code to be bloated with customer specific code.

Ideally I'd like to have one solution for the product and one for each customer. However I haven't found a way to separate the presentation layer.

I thought that the Web Client Software Factory would work, however it still requires the .aspx files for the modules to be part of the main web-site/application – which doesn't seem very modular.

I would also like to be able to use the ASP.NET 2.0 features like master pages, themes etc.

Anyone have experience of such a solution or should I just give up on a modular approach :)

Thanks,  
CJB.

Thanks for the reply Gregory.

The application will be split into DAL, Business and Presentations layered and within the presentation layer I'm using the MVP pattern, so all that will be in the ASPX pages is the asp.net controls, HTML etc. Any UI related logic will be in the Presenter class and all business logic will be in another layer.

However some of these ASPX pages will still be customer specific and I'd prefer not to deploy them with every install.

Regards,  
Canice.

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