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## ASP.NET Page Life Cycle Diagram



ASP.NET 14 Jan 2010 3:06 PM

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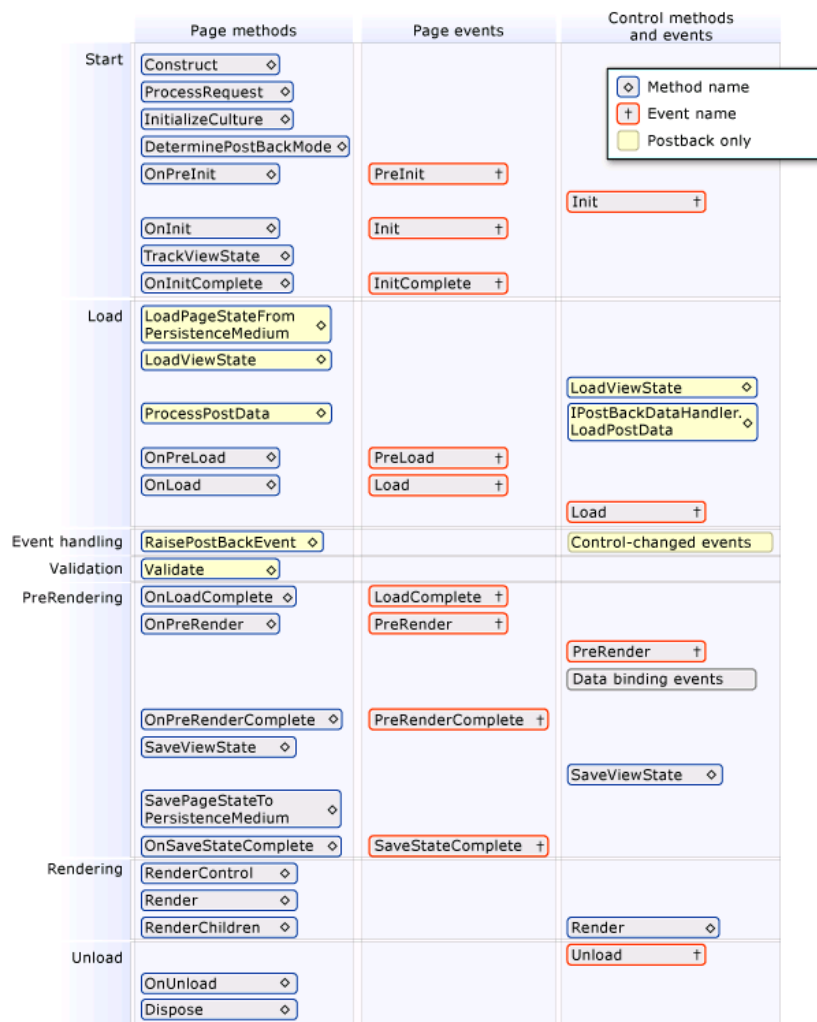
The following diagram shows some of the most important methods of the [System.Web.UI.Page](#) class that you can override in order to add code that executes at specific points in the page life cycle. It also shows how these methods relate to page events and control events. A preliminary version of the diagram was added to [the ASP.NET 4 Beta 2 page life cycle documentation on MSDN](#). The updated diagram that is shown below will appear on that page when ASP.NET 4 is released.

Comments and suggestions about how to improve the diagram are welcome. It is shown here smaller than actual size in order to fit within the horizontal size limitations of this blog.

-- Tom Dykstra

ASP.NET User Education

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### Comments



Steve Nutt 14 Jan 2010 7:52 PM #

The diagram is good. Now what would be really interesting is if you could somehow graphically display how AJAX and Silverlight fit into the equation :-)



ASPNETUE 15 Jan 2010 10:21 PM #

The intro says "The following illustration shows some of the most important methods of the Page class that you can override ....."

Meaning there are other methods somewhere that are not that important. If they are listed somewhere can you link to them.

As I read the blog that is what occurred to me.

This diagram is definitely much easier to understand than the first one.

Philip Attipoe



ravi vekaria 19 Jan 2010 8:40 PM #

hi dear.. its good way to teach the people.. i like it...



Joel Coehoorn 21 Jan 2010 6:10 AM #

I'd like to see the page events staggered from their corresponding page methods rather than shown level, so that it clearly communicates which happens first.



ASPNETUE 22 Jan 2010 7:35 AM #

@Steve - I looked into the question of where Ajax and Silverlight fit, and the answer I got was that a partial-post Ajax call such as you get from an update panel results in exactly the same page life cycle as a regular page. We do not explain this anywhere, and it's useful information, so I will add it to the Page Life Cycle document but there doesn't seem to be any change called for on the diagram itself. As for Silverlight, I could not find any indication that the page life cycle is relevant, since it acts as an independent client-side control.

@Philip - This explanation is in the Page Life Cycle document but I didn't copy it into the blog. The place to go for a complete list of methods is the Page class.

@Joel - The implied order of events is top to bottom, then left to right within rows. I am looking at two options for clarifying this: add arrows or leave the graphics as they are and add a sentence describing the order as I just did.

Tom Dykstra



Guest 30 Jan 2010 11:52 AM #

It misses "LoadViewState" method after "LoadPageStateFromPersistenceMedium".



ASPNETUE 5 Mar 2010 11:06 AM #

Sorry about the delay. After consulting with the page life cycle experts, I did add LoadViewState and made a few additional changes. The updated image is now posted on this page. You might need to clear your cache to see it.

Thanks for the suggestion,

Tom



Sisir 17 Jul 2010 6:55 AM #

How the Asp.net page cycle and Ajax life cycle is same. i am sure both are different



ASPNETUE 19 Jul 2010 8:42 AM #

Different things happen at the client, and the amount of data sent and processed for a partial page post compared to a full page post, but the sequence of events that happen at the server is the same for a partial page post as for a full page post.

