

## Re: Modifying page output using Session data?

**Source:**

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.aspnet/2004-03/8463.html>

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**From:** Al Cohen (*amc79\_at\_no.junk.please.cornell.edu*)

**Date:** 03/28/04

Date: Sat, 27 Mar 2004 21:48:49 -0500

To: Hugo Wetterberg <hugo@wetterberg.com>

Hugo:

One million thanks!

Not only is this short and sweet, but you already did all of the work for me!

Best regards,

Al Cohen

Hugo Wetterberg wrote:

```
> One solution is to override the Render method and pass a html-writer
> based on a memory stream to the base.Render method. Then you only have
> to read the memory stream and replace whatever you want, no problems
> with accessing the session either.
>
> protected override void Render(HtmlTextWriter writer)
> {
>     MemoryStream mem=new MemoryStream();
>     StreamWriter w=new StreamWriter(mem);
>     HtmlTextWriter htmlw=new HtmlTextWriter(w);
>
>     base.Render (htmlw);
>     htmlw.Flush();
>
>     mem.Position=0;
>     TextReader reader=new StreamReader(mem);
>     string output=reader.ReadToEnd();
>
>
>     writer.Write(output.Replace("${user}",(string)Session["username"]));
> }
>
> Cheers
```

> *Hugo*

>

> *On Sat, 27 Mar 2004 11:20:02 -0500, Al Cohen*

> *<amc79@no.junk.please.cornell.edu> wrote:*

>

>

>>*I'm attempting to build a templating engine that will substitute the  
>>values of session variables for tags in a page before the page gets sent  
>>to the client. For example, the contents of Session["UserName"] would  
>>replace each instance of \${UserName} in the page just before the page is  
>>returned.*

>>

>>*In principle, this should be easy to do by hooking into one of the  
>>HttpRequest events that occurs after the request handler runs, but  
>>I'm having trouble figuring out exactly how. The problem is that to do  
>>this, I need to satisfy two conditions:*

>>*1. I must have access to the Session*

>>*2. I must be able to manipulate (i.e., random search, delete, and write)  
>>the page contents.*

>>

>>*It looks like I can only manipulate the page contents in a filter  
>>attached to HttpResponse.Response; otherwise, I can only append to the  
>>Response. (Is this true?)*

>>

>>*If I can only manipulate the page in a filter, that would be OK, as long  
>>as the filter has access to the Session. However, a little  
>>experimenting indicates that the Session is gone after  
>>PostRequestHandlerExecute occurs, which is before the response filters  
>>are executed.*

>>

>>*So, I seem to be unable to manipulate the entire page and read a session  
>>at the same time.*

>>

>>*Any suggestions would be VERY appreciated!*

>>

>>*Thanks,*

>>

>>*Al Cohen*

>>*www.alcohen.com*

>

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