

User Guide 3.4

Retrieving a Cookie via a Class and saving in Person Class

This example will build a class that can be shared by all pages. It is perfect to use when you have code that will be needed by many different pages. Thus you write the code once, test it once and can use many places. Think a function or subroutine that can be shared between many different pages.

This example assumes you have already built the personInfo Class as described in Guide 3.1

A. Creating a class to retrieve the cookie created via the login process.

1. Create the new class – right click on the project name and hit ADD NEW ITEM
2. Select Class, name it SharedItems (we can place other shared items here also)
3. Create the following function to retrieve the cookie and return a personInfo Class (Guide 3.1)

```
public static PersonInfo getCookieInfo()
{
    PersonInfo cookieReturn = new PersonInfo();

    if (HttpContext.Current.Request.Cookies["userinfo"] != null)
    {
        cookieReturn.PersonId =
        Convert.ToInt16(HttpContext.Current.Request.Cookies["userInfo"]["personID"]);
        cookieReturn.RoleID =
        Convert.ToInt16(HttpContext.Current.Request.Cookies["userInfo"]["roleID"]);
        cookieReturn.LastName =
        Convert.ToString(HttpContext.Current.Request.Cookies["userInfo"]["lastname"]);
        cookieReturn.FirstName =
        Convert.ToString(HttpContext.Current.Request.Cookies["userInfo"]["firstname"]);
        cookieReturn.Email =
        Convert.ToString(HttpContext.Current.Request.Cookies["userInfo"]["emailUNCW"]);
    }

    return cookieReturn;
}
```

B. Calling the function to get the cookie info on an individual c# page:

Instead of checking to see if the cookie exists and retrieving the cooking on each page (in page load), you can call the getCookieInfo function

Modify your menu.aspx.cs page:

1. Replace the global page variables of iPK and iRoleID with:

```
PersonInfo person = new PersonInfo();  
//the above builds a person Class that will contain all attributes of a person  
//i.e. id, fn, ln, email, and role
```

2. In the page load subroutine, replace the

If (Request.Cookies["userInfo"] != null) *entire if statement with:*

```
//call the function to retrieve the cookie  
Person = SharedItems.getCookieInfo();  
if (person.RoleId == 0) // implies the person has not logged in  
{  
    Response.Redirect("~/default.aspx");  
}  
else  
{  
    this._roleID.Text = "Your person id is " + person.PersonId + " and role is "  
+ person.RoleID;  
}
```

On other pages, you may want to check if the person is an admin and redirect them to the menu page as in:

In the page load subroutine,

```
Person = SharedItems.getCookieInfo();  
if (person.RoleId == 0) // implies the person has not logged in  
{  
    Response.Redirect("~/default.aspx");  
}  
else  
{  
    if (person.RoleId != 99) // implies not an admin  
    {  
        Response.Redirect ("~/user/menu.aspx")  
    }  
}
```