# Assignment 6 Security

In this assignment, you will take what you did in the last five assignments and enhance the functionality to include security. Users will no longer be able to visit your admin sections without permission.

Before starting on this assignment read about abstraction

* <http://msdn.microsoft.com/en-us/library/wce3kxhd%28v=vs.100%29.aspx>
* <http://msdn.microsoft.com/en-us/library/eeyk640h%28v=vs.100%29.aspx>
* <http://msdn.microsoft.com/en-us/library/b6x6shw7%28v=vs.100%29.aspx>
* <http://aspalliance.com/907_Authentication_and_Authorization_in_ASPNET>
* <http://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.loginview.aspx>

### Security Structure

You currently have two pages and a master page. You will need to make the following changes to your application.

Admin.aspx – Will require authentication.  
Default.aspx – Will allow any user to visit the form.  
MasterPage – Will show a Welcome, Username somewhere on it. This message should not display unless the user is authenticated.

### Setting up Security

There are many different ways of doing authentication inside of an ASP.net Application. We are going to focus on just one authentication type. You will need to use NTLM security or “Windows” for the administrative parts of your application.

You will need to modify your web.config file to require users use windows authentication to log into administrative sections. Your main form should not require any sort of credentials and any user should have access to it.

In our environment we have an active directory as our main authentication provider. The name of this domain is “central.cmich.local.” This is important to note, since usernames will need prefixed with “central\” to identify that the user is authenticating against the domain.

The following list of users should have access to the admin.aspx

* Central\bridg2bb
* Central\peles1j
* Central\crons1eg
* Central\YOUR\_GID

Please note that since your application is running as YOU, you will automatically be logged in and will not be prompted for authentication. This assignment will be very difficult to test, so set up the elements and then let a mentor know you are complete. The mentor will be able to tell you if everything is set up correctly.