

Lab 3 – Authentication and Authorization using Identity

CS296N, Web Development 2: ASP.NET

Objectives

Practice writing code to:

- Create and manage user roles.
- Restrict access so only authorized users can access certain pages.
- Seed the web site with a default administrator account.

Instructions

Part 1 – Textbook Tutorial

- Build the web site described in Ch. 29 of Pro ASP.NET MVC 2, or download the completed code and run it.
- Report what you did for this exercise by entering the appropriate phrase in the online text of the Moodle assignment:
 - "Ran it", means you downloaded and successfully ran the completed code.
 - "Studied and ran it", means you successfully ran the completed code, but put in breakpoints and examined what was happening at all the critical points in the code.
 - "Coded it, studied it and ran it", means you added the code as shown in the textbook, studied it (set breakpoints and examined variables), and got it to run successfully.
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Part 2 – Your Web Site

- Add controller methods and views for login and logout.
- Enhance the admin controller by adding action methods and views to manage user roles:
 - Show all roles.
 - Edit a roll (add or remove users).
- Add code to create a default administrator account.
- Require authorization for certain parts of your web site using the following roles: (This will require adding code to create the roles too.)
 - No role, just require authentication.
 - Member.
 - Admin.

Submission to Git and Moodle

Code Review

1. Send a pull request to another student asking them to review your code.

After you have finished revising your code, you can merge it into the master branch, but keep the lab branch, don't delete it.

2. You should get a pull request from the other student and review their code.

In the "online text" field of the Code Review assignment on Moodle, enter the URL of the pull request you responded to.

Production Version

1. In the "online text" for the Moodle assignment:
 - Report of what you did in part 1.
 - Paste a link to your GitHub repository and branch for part 2.
2. Upload the code review document containing a review of your code.