

# Lab 2 – Authentication and Authorization using Identity

CS296N, Web Development 2: ASP.NET

## Objectives

Get practice:

- Creating and managing user roles
- Restricting access so only authorized users can access certain pages
- Seeding the web site with a default administrator

## 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.
- Take a screen-shots of each of the views being used.

### Part 2 – Your Web Site

- Enhance the existing admin feature by adding action methods and views to:
  - For managing user accounts:
    - delete a user
    - and / or edit a user
  - For managing user roles
    - Show all roles
    - Create a roll
    - Edit a roll
    - Delete a roll
- Enhance the existing user account controller by adding a logout method
- Add code to create a default administrator
- Require authorization for certain parts of your web site using the following roles:
  - no role, just require authentication
  - member
  - admin

## Submission to Git and Moodle

### Beta Version, Tutorial and Code Review

1. Submit a single document containing screen-shots of your tutorial.
2. Commit your work to a branch of your Git repository named lab2-authorization
3. Send a pull request to your lab partner and to the instructor
4. When you get pull request from your lab partner, do a review of their code
5. On Moodle, enter the URL of your lab partner's branch with your code review using "online text". Please do not put it in a comment.

### Production Version

1. Merge your work into a branch named lab2-master
2. Enter the URL of your master branch on Moodle using "online text". Please do not put it in a comment.
3. Enter the URL of your web site running online