

# Lab 2 – 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.
- Take a screen-shots of each of the views being used.

### Part 2 – Your Web Site

- Add controller methods and views for login and logout.
- Enhance the admin feature 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

### 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