**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**

* 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 Moodle**

Beta Version

Upload the following to the Code Review Forum:

1. A zip file containing your web app’s Visual Studio solution folder.  
   Or, a document containing a link to a repository containing your web site solution source code.
2. A code review of your lab partner’s work. (You do this after your lab partner submits items 1 and 2 and you review them.)

Production Version

1. Item 1 above but revised as needed.
2. The code review of your work (the one done by your lab partner) with the second column (“Production”) completed by you.