

## Lab 3, Group A – Lambda Expressions + More Controllers and Views

CS295N, Web Development 1: ASP.NET

### Objectives

The purpose of this lab is to help you learn to:

- Use lambda expressions to assign anonymous methods to delegates
- Work with a complex model using controller methods and views to add objects to existing objects

### Additions to Your Community Information Site

You will be completing the messaging feature as well as adding sorting capability to all pages that display lists of items

1. Contact page
  - a. Add a view and controller methods to support adding replies to messages
  - b. Use a lambda expression with List.Sort (or a comparable method) to sort the messages by date.
  - c. Extra credit: add the ability to set a message priority and display it.
2. Important locations and Significant people pages
  - a. If you haven't finished implementing these pages so that they display the locations / people with links to more info, then do so. The information should come from Lists of model objects containing hard-coded data.
  - b. Use lambda expressions with List.Sort (or a comparable method) to sort the locations and people.

### Submission to Moodle

#### Beta Version

Upload the following to the Code Review Forum:

1. A document containing screen-shots of the web app in exercise running in your browser. (please use .docx or .pdf format)
2. A zip file containing your web app's Visual Studio solution folder.  
Or, a link to a repository containing your web site solution source code. You can put the link on the same document with the report on your tutorial exercise.
3. 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. Items 1 and 2 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.

Written by Brian Bird, Lane Community College, fall 2018