Lab 2 – A Simple Controller and View

CS296N, Web Development 2: ASP.NET

Objectives

In this lab you will start writing a simple community information web site. You could make this about the town or neighborhood you live in, or some other community. The purpose of this lab is to help you learn to:

- Write simple controller classes and methods.
- Write simple views.

Part 1: Controllers

This is the initial site map:
 (We'll add to this in coming weeks.)

- Home – General information about the community and the purpose of the site
    - About – information about the authors
        - Contact – contact information
    - History – A brief history of the community
- Map – A map of the community (you can embed a link to Google maps or something similar).
- News – What's happening in the community
    - Today's news
    - Archive

Write a controller class for each top level page of the site (later we'll add these to a menu). Write a method in the controller for each sub-page. Remember that the Home controller should have an index method, index methods are optional in other controllers. Sub-sub pages can just be another method in the same controller. You don't need to nest controllers.

Part 2: Views

Create a simple shared layout that just formats the title of the page for each view. Use the ViewBag to pass the titles to the shared layout.

Write a view to go with each controller method.

Use the ViewBag to send today's date to the home page.

Create a view model for the news view. The news view will be a strongly typed view. You can add some temporary code to the controller to put a few dummy news items in the view model. Keep the model simple- just a few properties like Title, Date and Story.

Submission to Moodle

<u>Beta Version</u>

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.)

<u>Production Version</u>

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.