# *Web Programming IV (420-C40-HR)*

# *Assignment – Validation Controls*

Date assigned: February 10, 2017

Controls: February 14/21, 2017

Date due: February 24, 2017

**Learning Objectives**

Upon successful completion of this assignment, the student will be able to:

* Add validation controls to a ASP.NET application
* Add a Master page to an ASP Control
* Use sessions to pass information around in a control

To do:

1. Create a new web **solution** called HappyValleyKennels. Store it in the folder *username*\_C40A02.
2. Copy the (updated and corrected) website from Assignment 1 to the solution.
3. Create a master page for the layout and common parts of your application. This includes, headers, footers, CSS pages and even things like setting up sessions. You MAY want two master pages, but that is up to you.
4. Determine which fields you are going to validate and list them. I would recommend that you do this in a drawing program such as LucidChart. Capture an image of the screen as it appears without validation fields and save that to a file. The Windows Snipping Tool or Awesome Screenshot Capture are two ways to capture images. Load the image into LucidChart and draw lines and notes to indicate what will be validated, what validation will be performed and what .NET validators will be used. Review this with me in the lab on February 21.
5. Develop test scenarios for the controls, the validation controls and the correctness of functionality on the manage reservation, manage pet and manage customer forms. You may need to use the Use Case descriptions for this as well. I am purposely not telling you how to format the test scenarios. KEEP IT SIMPLE but make it clear. Review this with me in the lab on February 21. These will not be automated tests.
6. Add a Main (Home) page called home.aspx which will be different depending on what type of user logs in.
7. Add a “login” page called default.aspx which will be the first page to start. The user will select to “login” as a client/customer or a clerk. NOTE: This is done with buttons or some other controls and NOT with a username and password being entered.
8. I would expect most elements to be done at this point including services, vaccinations, veterinarians, food choice and medication. You are NOT required to handle more than one pet at this point. Many of you used tabs or other multi-page screens which we have not learned. If you want to do that, that’s okay, but only one pet per owner/reservation is required for this assignment.
9. If you wish to add other screens to make the page look more like your original prototype, then you may do so. That is completely up to you.
10. Add controls to validate the data entered into the Reservation, Customer, Pet and “Main” forms. The controls must check that all required fields have been entered and that all data is in the correct format. Display appropriate error messages in a consistent location on the screen using appropriate formatting. You must also indicate which field(s) is/are in error. You should use Validation Groups and a Validation Summary Control.
11. You should use sessions to pass the objects around now. If you wish you can use the viewstate control within a page.

You will be marked on:

* Master Page
* Use of sessions/state passing effectively
* Completeness of validation
* Completeness of test cases
* Implementation of the validation controls
* Flow of pages
* Login and home pages.

**To submit**

1. A ZIP format (*username*\_C40A02.zip) containing all submitted files on Moodle. Do NOT include the test cases file or the validation list in the same folder as your solution files. You can store it at the same level as the .sln file if you like, but I would create a separate folder called docs or something like that.