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

# *Assignment 3 – HVK Setting Up Final*

Date assigned: March 21, 2017

Date due: April 4, 2017

**Learning Objectives**

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

* Add user controls to an ASP .NET application
* Use
* Determine end-to-end flow testing for the HVK system

To do:

1. Using one team member’s assignment 2 as a starting place, create a new assignment called *TeamName*HVKA03 where *TeamName* is your team name.
2. The first change you are going to make is to ensure that your application can process multiple items where that is applicable. This includes but is not necessarily limited to: pets for owner, pets per reservation, services per pet per reservation and medications per pet per reservation.
   1. You must implement at least one of these items as a user control. You can do more (or all) of them as user controls if that fits your design, but you must have at least one.
3. Since we do not have a password in the database or a security system set up, we will use the owner\_email fields as the Username for the customer in the login page and we will NOT verify the password. If the email is [reed@hvk.ca](mailto:reed@hvk.ca) then the person logging in is a clerk and not a customer. The password for this account is 1234.
   1. Use a SQLDataSource or an ObjectDataSource to check that the email address entered is in the database. If it is, the user is logged in.
   2. When the user logs in, create an object for the user information and keep it in a session variable.
   3. You will also need to keep an indicator of the type of user (Clerk or Customer) in the session. Use an enumerated type for this.
4. Make a list of data access methods that you will need which are in addition to the ones that are being created in assignment 3 of Programming IV (420-B42). For example, you will need a database method to create a new pet and one to create a new customer. There are also update functions for both customer and pet. The implementation of these will become part of the final assignment.
5. Update your pages to use data controls. This should include most if not all pages. For now you can either bind your controls with manual datasets or use datasets created from SQLDataSources. I would recommend the latter, but it is up to your tea,
   1. Note that these sqlDataSources will be temporary and only for this assignment. Most, if not all, will be removed during the final assignment.
6. List the end-to-end test scenarios that you will use to validate the flow of the system. These will be run as manual tests and should always produce the same result.

You will be marked on:

* Flow through the system
* Design
* Use of data controls
* Identification of missing DB level classes
* Identification of end-to-end test cases.
* Adherence to standards

**To submit**

1. A ZIP format (*teamname*\_C40\_A03.zip) containing all submitted files on Moodle. This includes the list of missing DB level methods and the class they would be a part of and the lust of end-to-end test cases.