**CS 3340 – Test 2 Review**

The test covers: ASP.NET Basics 1 and APS.NET Basics 2 (Feb 13-Mar 20). You will mostly write code.

**Skills you need**

1. ~~Know the structure of an ASP.NET page.~~
2. Use the basic web controls (Label, TextBox, DropDownList, ListBox, CheckBoxList, RadioButtonList, Button) to write simple click event handlers.
3. ~~Know the basic validators (CompareValidator, RangeValidator, RequiredFieldValidator) and how they work.~~
4. Know how to write a C# class with properties, fields, and methods
5. Know what *postback* is, how to detect it, and why it is useful.
6. ~~Know what~~ *~~ViewState~~* ~~is and why it is useful~~
7. ~~Describe what the eight steps are in the page lifecycle.~~
8. ~~Describe what~~ *~~page tracing~~* ~~is and why it is useful.~~
9. Know how and when to use ~~ViewState,~~ Session, and QueryString for state management.
10. Write a code-behind file for a scenario where no state management is necessary.
11. Write a code-behind file that utilizes state management. Definitely on test!

**Details about the Actual Test**

There are 6 problems:

1. (48 points) You will be given a handout with images for 2 pages. On the first page, you will write 3 event handlers. I’ll give you the code below and you will write the event handlers

public partial class p1 : System.Web.UI.Page {

protected void btnAdd\_Click(object sender, EventArgs e) {

// write code here

}

protected void control\_SelectedIndexChanged(object sender, EventArgs e) {

// write code here

}

protected void btnPage2\_Click(object sender, EventArgs e) {

// write code here

}

}

On the second page, I’ll give you this and you will write the code:

public partial class p2 : System.Web.UI.Page {

protected void Page\_Load(object sender, EventArgs e) {

// write code here

}

}

You will need to use session to pass an object from *p1* to *p2*.

1. (3 points) One line of code
2. (3 points) One line of code
3. (24 points) You will write two event handlers. I’ll give you the code below and a description of what is needed. Your code will pass information from *p3* to *p4* via a query string, where on *p4* you will retrieve it and display it.

public partial class p3 : System.Web.UI.Page {

protected void btnPage2\_Click(object sender, EventArgs e) {

// Write code here

}

}

public partial class p4 : System.Web.UI.Page {

protected void Page\_Load(object sender, EventArgs e) {

// Write code here

}

}

1. (12 points) You will write an event handler that detects which items are selected in either a: drop down, list box, check box list, or radio button list, and do something with them.

protected void btnOrder\_Click(object sender, EventArgs e) {

// Write code here

}

1. (10 points) You will write a very simple class that contains a single *C# property.*