**CS 3340 – Test 2 Review**

The test covers Topics 2 (ASP.NET Basics 1) and 3 (APS.NET Basics 2). 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 ddPlayers\_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.*