No School – Monday, May 26, 2014 (Closed for Holiday: Memorial Day)

1ST Class – Tuesday, May 27, 2014

Text: Programming ASP.NET, 3rd Edition  
“Building Web Applications and Services with ASP.NET 2.0”

By Jesse Liberty & Dan Hurwitz, O’Reilly®

<http://shop.oreilly.com/product/9780596009168.do>

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Assignments on WebClass

I created and printed file: ‘Review - MS Visual Studio 2010 (Ultimate).doc’ to compare menus.

Use the Toolbox – HTML category…  
Drag HTML – Table , click makes 3x3. Select columjn and delete. Make more rows with Tab key.

2ND Class – Tuesday, June 03, 2014

We created the web application ‘Textbox’ from pasting slides 7 and 8 from the ASP Week 2.ppt file.

We used the standard HTML controls.

The project, a web application named, ‘Textbox’ was stored on the local machine C: drive, my documents. It built and ran in the browser correctly.

Then I copied the project to my network S: drive and it built okay but it could not run in the browser correctly because of Server Error: SecurityException.

We created the web application ‘Button’ from pasting slides 11, 12 and 13 from the ASP Week 2.ppt file.

We have three the standard HTML controls: Button, ImageButton, LinkButton.

To the project, we added an Existing Item, and browsed for an image file. I used ‘Sunset.jpg’.

To the project, we added a New Item – Web Form, named ‘TargetPage. aspx' and pasted the slide 13.

This project is also stored and runs okay from the local machine C: drive, my documents.

AFTER CLASS COPY THE PROJECT FOLDER FROM THE C: DRIVE TO MY FLASH-DRIVE TO TAKE HOME.

We created the web application ‘HyperLink’ from pasting slide 17 from the ASP Week 2.ppt file.

We have the standard HTML controls: Hyperlink.

To the project, we added a New Item – Web Form, named ‘TargetPage. aspx' and pasted the slide 13.

Assignment: Lab 1

The project specifications are in the student manual on pages 8 – 23 (15 pages).

NOTES:

Adding Multiple Currencies

Revise CurrencyConverter.aspx page (page 16)

Add code to the Page\_Load event handler (page 17)

Storing Information in the List (page 17)

Rewrite Convert\_ServerClick (page 18)

Setting Styles (page 22)

Make the following changes to Convert\_ServerClick (page 23)

3RD Class (Lab) – Thursday, June 05, 2014

In-class project: ServerControls:  
div, lbl-Choose a background color – dropdownlist (colors), lbl-Choose a font – dropdownlist (colors), lbl-Font Size – TextBox, Border style – radioButton-Unbound, Checkbox-Add Default Picture,   
lbl-Enter a Greeting – textbox(multiple-line), button-Update, lbl-Image (in the lbl).

Lesson#5, Intro to the GlacierPoint Tutorial.

Global.asax – Application Start, Begin\_Request, End, Presend,

Application State – stores the variables and objects *for all users*.

Session State – stores the variables and objects for *just one user*.

Collection of variables.

Application[“SiteName”]=”GlacierPoint Intranet Application”;

ApplicationRemove[“SiteName”];

ApplicationRemoveAll[“SiteName”];

Saved objects need to be removed when done or it will load the server.

(int)Application[“PageCounter”];

ApplicationRemove(“PageCounter”);

...

Application.Lock();

- Increment the variable and store it locally

Application.UnLock();

- Output the local variable value

***PageCounter* is an Application object not a session object, so it must be locked for a session, to avoid a resource contention, with other users.**

...

: Session state –

: Application state –

...

Replace (refractor-rename) “Application” with the string “Session”

...

A user’s “session” expires in 20 minutes (1200 seconds) of inactivity.

Example: 1560 seconds = 26 minutes = 0.4 hours

...

: Using a Cache Object (In CPU. RAM, ROM.)

Cache[“Employee”] = employeesTable;

Objects stay in the cache by default and *should be removed* or it will be removed automatically when there are low resources.

…DateTime.MaxValue(), TimeSpan.FromMinutes(10));

: Using a Cookie (Info stored a long time)

Cache[“Employee”] = employeesTable;

Change the default (session) because it will be lost between users, and change to Application.

userCookie = Request.Cookies[“UserID”];

if null… *// there is no user cookie*

userCookie = new HttpCookie(“UserID”, “JoeBlack”);

userCookie.Expires = DateTime.Now.AddMonths(1);

4th Class – Tuesday, June 17, 2014

In-class: GlacierPointPart2: Server-side, Validation Controls.

ADO.NET (Page 75):

Add Connection – credentials from COM271 class (page 21):   
Connection: 172.16.2.34  
Use SQL Server Authentication: db84270 5a0c1de0

New Quiry –   
Connection

Command

Data Reader

Adapter

NOTE:

Unusual code that results a web page that is not “well-formed” – In Student Manual, page 91, states:

**“<FooterTemplate>**This template provides a footer for the resulting output, which will appear after all the items in the data source. If you’re generating an HTML table, you could include the closing </table> tag in this template.**”**

**This required to move the** closing </table> tag **interspersed inside the closing HeaderTemplate tags and the FooterTemplate tags.** I tried to move tags to make the page ‘well formed’, **to no avail, it doesn’t run right otherwise.**

Overheard: oddity with “Inherits”, regex, 2-4 digits.

Look for first number 0..5 and second number 0..9

5th Class (Lab) – Thursday, June 19, 2014

Completed and submitted GlacierPointPart2.

**GlacierPointPart3**

In-class: GlacierPointPart3, Student Manual, page 95:

‘GlacierPoint Employee Directory’ web form,

‘Help Desk’ populate drop-down-lists: ‘Problem Category’ and the ‘Problem Subject’ on the web form.

Inserting (helpdesk)

AdminTools(update)

Completed and submitted GlacierPointPart3.

…

**GlacierPointPart4**

Goto page 123 to use code for stored procedures using ADO.NET.

Goto page 110 to create AdminTools.aspx

Completed and submitted GlacierPointPart4.

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6th Class – Tuesday, June 24, 2014

**Review for Midterm**, **GlacierPoint Part 5**, **GlacierPoint Part 6**.

7th Class – Tuesday, July 1, 2014

Review for Midterm Practice Exam

**WEEK2\_ASP\_NET.pptx**

…

**Web Basic**

Client - (PC/Mac/Unx/Bowser),

Network - (HTTP,TCP/IP),

Server - (Web Server)

…

**3 Paradyms**

**Web Forms**

…

**MVC**

…

**Razor [2012…?]**

…

**Web Page**

…

**IIS (Traditional and Express)**

…

**Virtual Directory**

…

**ISAPI**

Internet Server Application Programming Interface

…

**Sources**

…

**Themes**

…

**Programming Basics**

…

**Server Controls**

…

**Server Controls – HTML Controls**

…

**Server Controls – Intrinsic Controls**

…

**Server Controls – Web Controls**

…

**Server Controls – List Controls**

…

**Server Controls – Rich Controls**

…

**Server Controls – Validation Controls**

…

**Master Pages**

…

**CSS**

…

**Site Map**

…

**XML**

…

**Menu Item Source site map**

…

**Place Holder ID**

…

**WEEK2\_2\_of\_20\_NET.pptx**

…

**MS VS Code**

(Student Manual page 24, overview lists)

…

**- Create the Calendar** (Student Manual page 35-36)

…

8th Class – Tuesday, July 8, 2014

Review for Midterm Practice Exam

declaration

Code render block

HTML code

**View State**

9th Class – Tuesday, July 15, 2014

Review for Midterm Practice Exam

**Topic**

…

**Topic**

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**Topic**

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**Topic**

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**Topic**

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**Topic**

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**Topic**

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| Week | |  |  |  |
| --- | --- | --- | --- | --- |
| Days | Nights | **Topic** | **Chapter or Resource** | **Activities** |
| 1 | 1 | Introduction to ASP.NET 2.0 | Lesson 1  Chapters 1 and 3 |  |
| 1 | 1 | Building ASP.NET Web Pages  Advanced Server Controls | Lesson 2  Chapter 4  Lesson 3  Chapters 4, 5, and 12 | **Read Chapters 1,3,4,5 & 12**  225 pages: 22.5 hours  **Evaluation**: Quiz Week 4 and Midterm |
| 1 | 2 | Web Application Features  Introduction to the GlacierPoint Tutorial | Lesson 4  Chapter 2  Lesson 5  Chapters 12 and 13 | **Read Chapters 2 & 13**  87 Pages: 8.7 hours  **Review Chapter 12**  **Evaluation**: Quiz Week 4 and Midterm  **Exercise:**  GlacierPoint Tutorial Part 1 |

**PowerPoint – ‘Comparing C# with C++ and Java’, Comparing C#.ppt**

1ST Class – Monday, May 26, 2014

| Week | |  |  |  |
| --- | --- | --- | --- | --- |
| Days | Nights | **Topic** | **Chapter or Resource** | **Activities** |
| 2 | 3 | Validation Controls  Using ADO.NET with ASP.NET | Lesson 6  Chapter 8  Lesson 7  Chapters 9 and 10 | **Read Chapters 8,9, & 10**  160 pages: 16 hours  **Evaluation**: Quiz Week 4 and Midterm  **Exercise:**  GlacierPoint Tutorial Part 2  GlacierPoint Tutorial Part 3 |
| 2 | 3 | Using Data Access Methods in GlacierPoint | Lesson 9  Chapter 9 | **Review Chapter 9** |
| 2 | 4 | Managing Database Records | Lesson 10  Chapter 9 | **Review Chapter 9**  **Exercise:**  GlacierPoint Tutorial Part 4 |

1ST Class – Monday, May 26, 2014

| Week | |  |  |  |
| --- | --- | --- | --- | --- |
| Days | Nights | **Topic** | **Chapter or Resource** | **Activities** |
| 3 | 4 | Quiz 1  (Lessons 1 – 7) | Lesson 8 | **Quiz 1**  Lessons 1-7 and Chapter readings  **Evaluation**: Midterm |
| 3 | 5 | Test 1  (Lessons 1 – 7)  The DataList Control | Lesson 8  Lesson 11  Chapter 9 | **Review Chapters 1,3,4,5,12,13,8,9 & 10**  512 pages: 25 hours  **Evaluation**: Midterm  **Exercise:**  GlacierPoint Tutorial Part 5 |
| 3 | 6 | The GridView and DetailsView Controls | Lesson 12  Chapter 9 | **Review Chapter 9**  **Exercise:**  GlacierPoint Tutorial Part 6  Project 1 – The Arkham Books Web Site Part 1 |

1ST Class – Monday, May 26, 2014

| Week | |  |  |  |
| --- | --- | --- | --- | --- |
| Days | Nights | **Topic** | **Chapter or Resource** | **Activities** |
| 4 | 7 | Advanced Data Access | Lesson 13  Chapter 9 | **Review Chapter 9**  **Exercise:**  Project 2 – The Arkham Books Web Site Part 2 |
| 4 | 8 | Security and User Authentication | Lesson 14  Chapter 11 | **Read Chapter 11**  35 pages: 3.5 hours  **Evaluation**: Quiz Week 9 and Final exam  **Exercise:**  Project 3 – The Arkham Books Web Site Part 3 |

1ST Class – Monday, May 26, 2014

| Week | |  |  |  |
| --- | --- | --- | --- | --- |
| Days | Nights | **Topic** | **Chapter or Resource** | **Activities** |
| 5 | 9 | Quiz 2  (Lessons 9 – 14) | Lesson 15 | **Quiz 2**  Lessons 9-14 and Chapter readings |
| 5 | 10 | Test 2  (Lessons 9 – 14) | Lesson 15 |  |

Final exam review:

1. **Which of the following denote the web control associated with Table control function of ASP.NET?**<http://dotnetblosums.blogspot.com/2013/07/aspnet-multiple-choice-questions.html>
2. **The GridView control in ASP.NET has which of the following features**<http://www.dotnetspider.com/forum/118990-the-GridView-Control-in-aspnet-has-which-of-the-following-features.aspx>
3. **Which of the following denote New Data-bound Controls used with ASP.NET?**<http://castle-on-clouds.blogspot.com/2011/02/mcq-aspnet.html>
4. **In ASP.NET page framework an automatic way to associate page events and methods is?**<http://forums.asp.net/t/932513.aspx?What+is+AutoEventWireup>+
5. **What’s the difference between Response.Write() andResponse.Output.Write()?**<http://stackoverflow.com/questions/1794792/what-s-the-difference-between-response-write-andresponse-output-write>
6. **Select the control which does not have any visible interface?**<http://www.geekinterview.com/question_details/19428>
7. **Which control supports paging?**<http://www.geekinterview.com/question_details/19432>
8. **How to open more than one datareader at a time?**<http://stackoverflow.com/questions/11332670/vb-net-multiple-sqldatareaders>
9. **What is the advantage of Disconnected mode of ADO.Net in ASP.Net**<http://www.dotnetspider.com/forum/119035-What-is-the-advantage-of-disconnected-mode-of-ADONET-in-aspnet.aspx>
10. **How do we Delete, Update, Select data in a Dataset?**<http://www.geekinterview.com/question_details/19445>
11. **Which of the following is not a member of ConnectionObject?**<http://webclass.coleman.edu/mod/quiz/attempt.php?attempt=24066&page=10>
12. **Is it possible edit data in a repeater control?**<http://www.dotnetspider.com/forum/32361-Can-you-edit-data-in-the-Repeater-control.aspx>
13. **What data types do a Rangevalidator supports?**<http://stackoverflow.com/questions/1794743/what-data-types-do-the-rangevalidator-control-support>
14. **Which method displays the custom control?**<http://www.geekinterview.com/question_details/19471>
15. **Which of the following denote ways to manage state in an ASP.Net Application?**<http://msdn.microsoft.com/en-us/library/vstudio/75x4ha6s%28v=vs.100%29.aspx>

Lab Sign-In Binder