ENTD462

Course Summary

Description

Course Description: This course is a study of the theory, concepts, and applications of the Active Server Page (ASP.NET) web development environment. Students will learn about working with the page (HtmlForm class, error handling, tracing, page personalization, and rich page composition), the ASP.NET object Model (request, response, server, session, application, global.asax file, and collaborative data object), data providers (managed providers, SqlConnection class, and SqlCommand class), data containers (SQlDataAdapter, DataSet, DataTable, and DataView objects), data source based data binding, and managing the HTTP Request Context and life cycle. The student will also manage and establish state across HTTP connections, explore caching, and examine ASP.NET's security architecture ("session hijacking," Forms authentication, membership and role management, and security related controls). Students must have access to Visual Studio 2008 or Visual Web Developer 2008 Express Edition software (or higher) software. This software is not provided by the course material grant and must be purchased/provided by the student. (Prerequisite: ENTD200 OR ENTD211)

Course Scope:

This course is one in a series of courses on Enterprise Programming. The series focuses on Enterprise Web Development using the .NET framework. This course exploits the power of ASP.NET to develop dynamic web pages. Prerequisite(s): Web Programming.

Objectives

After successfully completing this course, you will be able to

- Explain the features, functionality, power, and advantages of ASP.NET that have made it a viable tool for website design, development, deployment, and management.
- Appraise the impact of Microsoft's Visual Studio.NET on Information Technology Management and on Global Economies as it applies to developing, deploying, and managing websites.
- Assess the capability of ASP.NET IDE as a tool for Web site management, configuration management, and for the administration of corporate websites.
- Examine the concept of managed data providers within the .NET Framework.
- Appraise ASP.NET's facilities for performing exception handling.
- Analyze the ASP.NET facilities to establish and maintain state between connections within the context of the stateless and connectionless HTTP protocol.
- Assess ASP.Net's ability to manage the lifecycle of an HTTP request.
- Examine ASP.NET's security architecture.

Outline

Week 1:

Topic

Application & Page framework

Learning Objectives

Evaluate the role of ASP.NET as a tool for web development and for Information Technology Management.

Readings

Chapter 1

Assignment

Week 1 Student Introduction

Week 1- Forum

Assignment 1

Week 2:

Topic

Server Control & Client Side Scripting

Learning Objectives

Appraise the impact of Microsoft's Visual Studio.NET on Information Technology Management and on Global Economies as it applies to developing, deploying, and managing websites.

Readings

Chapter 2

Assignment

Week 2- Forum

Assignment 2

Week 3:

Topic

Server control and Validation

Learning Objectives

Examine the concept of managed data providers within the .NET Framework.

Readings

Chapters 3 & 4

Assignment

Week 3- Forum

Assignment 3

Week 4:

Topic

Master Pages and Themes

Learning Objectives

Assess the capability of ASP.NET IDE as a tool for Web site management, configuration management, and for the administration of corporate websites.

Readings

Chapters 5 & 6

Assignment

Week 4- Forum
Assignment 4

Week 5:

Topic

Data Binding

Learning Objectives

Appraise ASP.NET's facilities for performing exception handling.

Readings

Chapter 7

Assignment

Week 5- Forum

Assignment 5

Week 6:

Topic

Data Management

Learning Objectives

Analyze the ASP.NET facilities to establish and maintain state between connections within the context of the stateless and connectionless HTTP protocol.

Readings

Chapter 8

Assignment

Week 6- Forum

Assignment 6

Week 7:

Topic

LINQ

Learning Objectives

Assess ASP.Net's ability to manage the lifecycle of an HTTP request.

Readings

Chapter 9

Assignment

Week 7- Forum

Assignment 7

Week 8:

Topic

Working With XML

Learning Objectives

Examine ASP.NET's security architecture.

Readings

Chapter 10

Assignment

Assignment 8: Final Project

Evaluation

Students are expected to maintain routine contact with the instructor throughout the course. While the number of contacts may vary according to the specific course and individual student need, the University requires periodic weekly contacts during the semester. Contact will consist of professor notes, forum interaction, and email feedback. The method of discussion will be on-line related to issues concerning forum assignments, quizzes, assignments, the midterm project and final project.

TEXTBOOK READINGS

Review the assigned textbook and support materials for this course! Review the table at the end of the syllabus to see assigned readings for each week.

PROJECTS

The projects for this course are located throughout each Lesson. The projects that are required for grading with this course are created from scratch.

FORUM

The Forum assignments for this course are designed to promote interactivity among students and enhance the online learning process. The Forum provides maximum flexibility because you do not have to be online at the same time as another person and you can read what other students have written.

Forum Timing: For the forum, you must post your work by midnight on **Thursday**, continue to follow your classmates' posts for the remainder of the week, and post the follow-up peer responses prior to midnight on **Sunday, *except for week one***. Your follow-up posts can add additional insight to a classmate's opinions or can challenge their opinions. Use examples from the readings, or from your own research, to support your views, as appropriate. Be sure to read the follow-up posts to your own posts and reply to any questions or requests for clarification. You are encouraged to conduct research and use other sources to support your answers.

Required Participation: Please keep in mind that the forum assignments require you to make at least 1 post to the forum with at least 250 words about the topic and also respond to at least 2 peers' posts with at least 150 words. Please be advised that there will be point deductions if you do not comply with these requirements of the assignment. Each one of you will have a different and unique experience that we can all learn from. Your participation in the Forums unleashes the power of synergy in our classroom. To facilitate this interaction, please be prompt when posting your forum work for each week; this provides time for the others to actively engage in the dialogue. For practical reasons, when you respond to other learners' posts, please start your response by referencing their name. I will read and grade your participation by reading the forum. There is no need to also post your forum work in the assignments area of the classroom. Refer to the forum and the syllabus for more details on grading.

Grading:

Name	Grade %
Forums	20.00 %
Week 1 Forum	2.50 %
Week 2 Forum	2.50 %
Week 3 Forum	2.50 %
Week 4 Forum	2.50 %
Week 5 Forum	2.50 %
Week 6 Forum	2.50 %
Week 7 Forum	2.50 %
Week 8 Forum	2.50 %
Assignments	80.00 %
Week 1 Assignment	10.00 %
Week 2 Assignment	10.00 %
Week 3 Assignment	10.00 %
Week 4 Assignment	10.00 %
Week 5 Assignment	10.00 %
Week 6 Assignment	10.00 %
Week 7 Assignment	10.00 %
Week 8 Assignment	10.00 %

Materials

Book Title: Professional Asp. Net 4 : in C# and Vb-E-book available in the APUS Online Library; hard copy not available from the APUS Bookstore, please try other sources.

Author: Evjen, Bill

Publication Info: Wiley Lib

ISBN: 9780470502204

Book Title: APUS does not supply this software. Students must have access to the required software. The listing can be found at http://apus.libguides.com/bookstore

Author: N/A

Publication Info: N/A

ISBN: N/A

Boehm, A. & Lowe, D. (2006). *Murach's ASP.NET 2.0 Web Programming with VB 2005.* Mike Murach and Associates.

Evien, B. (2005). *Professional ASP.NET.* Wrox Publications.

Hart, C. (2005). *Beginning ASP.NET.* Wrox Publications.

Hurwitz, D., & Liberty, J. (2003). *Programming ASP.NET.* O'Reilly Publications.

Kittel, M. & Leblond, G. (2005). *ASP.NET Cookbook.* O'Reilly Publications.

Lee, Wei-Meng, (2005). *ASP.NET 2.0: A Developers Notebook.* O'Reilly Media.

Liberty, J. (2005). Programming C#: Build .NET Applications using C#, O'Reilly Media, Inc.

Marshall. D (2005). Programming Microsoft Visual C# 2005: The Language, Microsoft Press.

Nagel. C, Evjen B, Glynn J, Skinner M (2005). Professional C# 2005, Wrox Publications.

Ruvalcaba, Z. (2004). *Build Your own ASP.NET Website Using C# & VB.NET.*Sitepoint pty ltd.

Selly, D. (2005). *Expert ASP.NET 2.0 Advanced Application Design.* Apress Publications.

Sharp J (2005), Microsoft C# 2005 step by step, Microsoft Press.

Walther, S. (2003). *ASP.NET Unleashed.* Sams Publications.

Course Guidelines

Citation and Reference Style

- Attention Please: Students will follow the APA Format as the sole citation and reference style used in written work submitted as part of coursework to the University. Assignments completed in a narrative essay or composition format must follow the citation style cited in the APA Format.

Tutoring

- Tutor.com offers online homework help and learning resources by connecting students to certified tutors for one-on-one help. AMU and APU students are eligible for 10 free hours* of tutoring provided by APUS. Tutors are available 24/7 unless otherwise noted. Tutor.com also has a SkillCenter Resource Library offering educational resources, worksheets, videos, websites and career help. Accessing these resources does not count against tutoring hours and is also available 24/7. Please visit the APUS Library and search for 'Tutor' to create an account.

Late Assignments

- Students are expected to submit classroom assignments by the posted due date and to complete the course according to the published class schedule. The due date for each assignment is listed under each Assignment.
- Generally speaking, late work may result in a deduction up to 20% of the grade for each day late, not to exceed 5 days.
- As a working adult I know your time is limited and often out of your control. Faculty may be more flexible if they know ahead of time of any potential late assignments.

Turn It In

- Faculty may require assignments be submitted to Turnitin.com. Turnitin.com will analyze a paper and report instances of potential plagiarism for the student to edit before submitting it for a grade. In some cases professors may require students to use Turnitin.com. This is automatically processed through the Assignments area of the course.

Academic Dishonesty

- Academic Dishonesty incorporates more than plagiarism, which is using the work of others without citation. Academic dishonesty includes any use of content purchased or retrieved from web services such as CourseHero.com. Additionally, allowing your work to be placed on such web services is academic dishonesty, as it is enabling the dishonesty of others. The copy and pasting of content from any web page, without citation as a direct quote, is academic dishonesty. When in doubt, do not copy/paste, and always cite.

Submission Guidelines

- Some assignments may have very specific requirements for formatting (such as font, margins, etc) and submission file type (such as .docx, .pdf, etc) See the assignment instructions for details. In general, standard file types such as those associated with Microsoft Office are preferred, unless otherwise specified.

Disclaimer Statement

- Course content may vary from the outline to meet the needs of this particular group.

Communicating on the Forum

- Forums are the heart of the interaction in this course. The more engaged and lively the exchanges, the more interesting and fun the course will be. Only substantive comments will receive credit. Although there is a final posting time after which the instructor will grade comments, it is not sufficient to wait until the last day to contribute your comments/questions on the forum. The purpose of the forums is to actively participate in an on-going discussion about the assigned content.
- "Substantive" means comments that contribute something new and hopefully important to the discussion. Thus a message that simply says "I agree" is not substantive. A substantive comment contributes a new idea or perspective, a good follow-up question to a point made, offers a response to a question, provides an example or illustration of a key point, points out an inconsistency in an argument, etc.
- As a class, if we run into conflicting view points, we must respect each individual's own opinion. Hateful and hurtful comments towards other individuals, students, groups, peoples, and/or societies will not be tolerated.

University Policies

- Drop/Withdrawal policy

- Extension Requests

- Academic Probation

- Appeals

- Disability Accommodations

The mission of American Public University System is to provide high quality higher education with emphasis on educating the nation's military and public service communities by offering respected, relevant, accessible, affordable, and student-focused online programs that prepare students for service and leadership in a diverse, global society.

STUDENT WARNING: This course syllabus is from a previous semester archive and serves only as a preparatory reference. Please use this syllabus as a reference only until the professor opens the classroom and you have access to the updated course syllabus. Please do NOT purchase any books or start any work based on this syllabus; this syllabus may NOT be the one that your individual instructor uses for a course that has not yet started. If you need to verify course textbooks, please refer to the online course description through your student portal. This syllabus is proprietary material of APUS.