

IST 479/679 Electronic Commerce Technologies – Fall 2010

Section M001

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Office Hours By Appointment

Class Time 2:15 – 5:00 PM, Wednesdays,
Hinds Hall 027

Required Text:

Professional ASP.Net 4 in C# and VB by Bill Evjen, Scott Hanselman, and Devin Rader.
ISBN 9780470502204

Note: Students with little or no programming experience might also want to refer to - Sams Teach Yourself ASP.NET 2.0 in 24 Hours by Scott Mitchell. ISBN 0672327384

Readings:

There may be several readings (not noted in the syllabus) that I will hand out in class.

Description:

Overview of e-commerce technologies and applications, middleware, firewalls, encryption, payment systems, database integration, shopping cart applications, cookies, transaction analysis, and application service providers. Programming experience recommended.

Learning Objectives:

- An understanding of client and server-side programming and how to use each appropriately.
- Knowledge of the components required to create a web application, and of the commonly used server-side programming languages.
- Basic to intermediate ASP.Net programming ability, with a focus towards creating dynamic, database-driven websites.
- Introduction to more advanced programming topics and concepts.

Assignments:

The following assignments will be assigned throughout the semester:

Midterm Exam:

There will be a midterm exam in the course, which will draw almost entirely upon material from the lectures. No make-up midterm exams will be offered, regardless of the reason for missing the exam.

Milestone Projects:

These assignments are aimed toward completing some part of the final project. They are designed to keep you focused on finishing the final project and to break it down into manageable pieces so that we don't encounter the "Wait - the project is due tomorrow and I don't know how to FTP" issue.

Group Technology Presentation:

This is a researched, group presentation that will be given early in the semester on various web application programming languages.

Weekly Quizzes:

To encourage class participation, and help us cover the vast subject matter, you will be assigned readings pertaining to the day's topic, to be completed before coming to class. There will be a number of short, multiple choice quizzes, based on the assigned reading, which are meant to ensure that you did in fact read the assigned material. The lowest quiz grade will be dropped. However you will not be able to take a quiz later, if you happen to miss it.

Advanced Topic Paper:

This will be an individual research paper, assigned later in the semester, on a topic of my choosing.

Final Project:

The final project will require you to create a blogging platform with postings, categories, an RSS feed and an administrative interface for managing the above.

Grading:

Your grade for the semester will be broken up as follows:

<i>Assignment</i>	<i>% of Final Grade</i>
1. Midterm Exam	15%
2. Milestone Projects	20%
3. Group Technology Presentation	10%
4. Advanced Topic Paper	10%
5. Final Project	20%
7. Weekly Quizzes	20%
8. Attendance / Participation	5%

Please Note:

- All assignments must be submitted on or before the due date. If you miss the due date for an assignment, you can make up the assignment within one week but 10% of the total grade for the assignment will be deducted from your score for each day it is late. E.g. If an assignment, being graded out of a total of 50 points, was due on Monday and you turn it in on Thursday, you will be deducted 15 points. Failure to make up an assignment within one week will result in a zero.
- Assignments not completed satisfactorily will be returned for correction. You will lose 10% of the total grade each time an assignment is returned. You will not be allowed to submit a later assignment until all previous assignments have been completed to my satisfaction.

Course Schedule:

This is a tentative schedule for the semester. As with all best-laid plans, the lectures are subject to change depending on the pace of the class.

Week 1 - Sept 1

Introductions: Who am I? Who are you? Filling out the questionnaire.

Lecture/Demonstration: HTML, XHTML, CSS, Form elements refresher.

Lab: Familiarization with your development environment.

Assignment: Create a simple "About Me" HTML Page (Due Week 2)

Week 2 - September 8

Lecture/Demonstration: Database design, Bridge Tables, SQL Queries

Lab: Working with the IST shared SQL Server

Assignment: Form groups and select technology for presentation. (Due Week 3)

Design the database for your blogging platform (Due Week 4)

Week 3 – September 15

Group Technology Presentations

Lecture/Demonstration: Programming refresher

Lecture/Demonstration: Variables, Control Structures, Loops, Functions, Objects

Assignment: Algorithm assignment (Due Week 4)

Week 4 – September 22

Lecture/Demonstration: Overview of ASP.NET

Lecture/Demonstration: ASP.NET Form Elements, Validation Controls

Lab: Sending an email with ASP.NET

Assignment: Create an ASP.Net "Contact Me" form (Due Week 5)

Week 5 - September 29

Lecture/Demonstration: Master Pages, User Controls

Lecture/Demonstration: Custom Classes

Lab/Assignment: Create a master page for your site (Due Week 6)

Week 6 – October 6

Lecture/Demonstration: Data Management with ADO.Net

Lecture/Demonstration: Add/Edit/Delete functions with ASP.Net

Week 7 – October 13

Lecture/Demonstration: Creating Management Pages with ASP.NET

Lecture/Demonstration: Searching, paging, sorting

Lab/Assignment: Create a Management Page for Article Categories

Week 8 – October 20

Midterm Exam

Week 9 – October 27

Lecture/Demonstration: Managing foreign keys and bridge tables

Lecture/Demonstration: Building Database driven content pages

Lab/Assignment: Create a Management, and Front-end Page for Articles

Week 10 – November 3

Lecture/Demonstration: Session management, client vs server strategies

Lecture/Demonstration: Securing your management pages.

Assignment: Create a login page for site administration.

Week 11 – November 10

Lecture/Demonstration: File Upload with ASP.Net

Lecture/Demonstration: File Management Functions

Assignment: Add the ability to upload images to your Blog

Week 12 – November 17

Lecture/Demonstration: Generating XML Files

Lecture/Demonstration: Creating an RSS Feed

Assignment: Add an RSS feed to your blog

Week 13 – November 24

Thanksgiving Break – No Classes

Week 14 – December 1

Lecture/Demonstration: Web Services

Lecture/Demonstration: Online Transaction Systems

Assignment: Advanced Topic Paper

Week 15 – December 8

Lecture/Demonstration: Enabling comments. Linking a table to itself.

Lecture/Demonstration: Recursion and its applications

Assignment: Add comments functionality for your postings

Academic Integrity

The Syracuse University Academic Integrity Policy holds students accountable for the integrity of the work they submit. Students should be familiar with the Policy and know that it is their responsibility to learn about instructor and general academic expectations with regard to proper citation of sources in written work. The policy also governs the integrity of work submitted in exams and assignments as well as the veracity of signatures on attendance sheets and other verifications of participation in class activities. Serious sanctions can result from academic dishonesty of any sort.

For more information and the complete policy, see:

<http://academicintegrity.syr.edu/uploads/docs/SU%20AI%20Policies%20Procedures.pdf>

Student with Disabilities

In compliance with section 504 of the Americans with Disabilities Act (ADA), Syracuse University is committed to ensure that "no otherwise qualified individual with a disability...shall, solely by reason of disability, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity..." If you feel that you are a student who may need academic accommodations due to a disability, you should immediately register with the Office of Disability Services (ODS) at 804 University Avenue, Room 308 3rd Floor, 315.443.4498 or 315.443.1371 (TTD only). ODS is the Syracuse University office that authorizes special accommodations for students with disabilities.

iSchool's Learning Management System (LMS)

The iSchool's learning management course tool is Blackboard Learning System CE (used to be called WebCT6). This learning management course tool (LMS) is used to facilitate distance learning and enhance main campus courses at the iSchool. It is a flexible, integrated environment where students can integrate course experiences into the real world communities of work and play. The environment is composed of a number of elements that will help you be successful in both your current coursework and your lifelong learning opportunities.

Note: The iSchool uses its own version of Blackboard. We are not affiliated with the SU campus-wide Blackboard Enterprise System.

Here is the direct URL to bookmark your access to the iSchool's learning management system (LMS): <http://ischool.syr.edu/learn/> Questions regarding the LMS should be directed to ilms@syr.edu or Peggy Brown at 315-443-9370.

Ownership of Student Work

In compliance with the Federal Family Educational Rights and Privacy Act, works in all media produced by students as part of their course participation at Syracuse University may be used for educational purposes, provided that the course syllabus makes clear that such use may occur. It is understood that registration for and continued enrollment in a course where such use of student works is announced constitutes permission by the student. After such a course has been completed, any further use of student works will meet one of the following conditions: (1) the work will be rendered anonymous through the removal of all personal identification of the work's creator/originator(s); or (2) the creator/originator(s)' written permission will be secured. As generally accepted practice, honors theses, graduate theses, graduate research projects, dissertations, or other exit projects submitted in partial fulfillment of degree requirements are placed in the library, University Archives, or academic departments for public reference.