Web Programming   **Fall, 2007**
Prerequisites: Programming experience
Instructor: Chien-Chung Chan
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Office Hours: R: 1:00 - 3:00 p.m., F: 3:00 - 6:00 p.m. or by appointment
Text:
  施威銘 研究室, HTML+JavaScript: 網頁程式設計 , 2nd edition, Flag Publishing, www.flag.com.tw ,
  2006, ISBN: 957-442-081-7.
  施威銘 研究室, 新觀念 ASP .NET 2.0 網頁程式設計 , 旗標 Flag Publishing, www.flag.com.tw ,
  2007, ISBN-10: 957-442-410-3.

Reference:
  董大偉 , ASP.NET 2.0 深度剖析範例集 , 博碩 www.drmaster.com.tw, 2007, ISBN: 957-527-901-8.
  董大偉 , ASP.NET AJAX 應用剖析立即上手 , 博碩 www.drmaster.com.tw, 2007, ISBN-13: 978-
  986-201-001-3.

Course Objectives:
  1. Study enabling technologies of web-based applications.
  2. Study the architecture of muti-tier web-based applications.
  3. Develop web-based applications in ASP .NET technology.

Project Assignments:
    There will be four to five programming projects. The programs will be developed and run on PC
workstations. Penalty for late project submissions is 10% per day contingency on the availability of the
system.
    There will be one team project, which will be presented by the end of semester.

Exam: there will be one exam. Scope and date of exam will be announced one week in advanced.
Project Presentation: each team will present their project during the last two weeks of the semester and
the final exam day.

Grades: the following is the weights for computing final grades.
Exam: 30 % Presentation: 20% Programs: 50 %

**All work turned in for a grade is to be exclusively the work of the student whose name appears on
the work. Any questions involving plagiarism will be handled as violations of the student honor code.**

Course Topics
  1. Overview of Multi-Tier Client Server Systems
      HTML, XML
      HTTP, SOAP
      Servlets, JSP, Tomcat
      ASP .NET, IIS
      JDBC, ODBC
  2. Structure of Web-Based Applications
      MVC model
  3. Introduction to HTML
      What is HTML (HTML Book: Chapter 1)
      HTML Basics Concept (HTML Book: Chapter 2 - 4)
      Table Tag (HTML Book: Chapter 5)
      Form Tag (HTML Book: Chapter 10)

4. Java Script (HTML Book: Chapter 11 – 16)
5. Introduction to ASP .NET (ASP .NET Book: Chapter 1 and 2)
6. Visual Basic 2005, C# (ASP .NET Book: Chapter 3)
7. Server Controls (ASP .NET Book: Chapter 4, 5)
8. Data Validation (ASP .NET Book: Chapter 6)
9. Application State Management (ASP .NET Book: Chapter 7)
10. Debugging and Exception Handling (ASP .NET Book: Chapter 8)
11. Design of Web Site Structure (ASP .NET Book: Chapter 9)
12. Deployment of Web Applications (ASP .NET Book: Chapter 10)
13. Connected to Databases (ASP .NET Book: Chapter 11)
14. Case Studies (ASP .NET Book: Chapter 15 – 18)
15. ASP .NET and AJAX