Introduction to Web Programing

Zaheer Ahmed

Introduction

- BS(Computer Science)
  NCBA&E
- MS (Informatics Engineering)
  Jonkoping University Sweden
- Software Engineer
  Xpertvision, Lahore
- Lecturer
  The University of Punjab
- Lecturer
  Lahore Garrison University
- Lecturer
  CIIT , Vehari Campus.

Course Grading

Assignment	10
Quiz	05
Project	10
MID	25
FINAL	50
Total	100

Course Books

- *Recommended Books:*

- Gary B. Shelly, Thomas J. Cashman and Misty E. Vermaat. "Essential Introduction to Computers", Edition 5, Publisher: Course Technology, Inc, Pub. Date: February 2003.

- Learn HTML and CSS with W3school

Hege Refsnes, Ståle Refsnes, Kai Jim Refsnes, Jan Egil Refsnes with C. Michael Woodward

HTML5

A Complete Training Package!

- Full-color, step-by-step instructional book
- Training from expert instructors

Recourse

www.W3school.com

www.Tutorialpoint.com

Course Outline

An Introduction to web programing

Define terms associated with basic Web page development.

Explain the development of the World Wide Web (WWW).

Explain the differences between Web servers and Web browsers.

Protocols for Web applications: HTTP Role in Web Development

Overview of three tire Architecture

HTML (Basic)

HTML(Advance)

HTML 5

CSS (Cascading Style Sheets)

HTML Forms and Input

Java Script Basics, functions

Advance Java

Course Policy

- Class participation and regular attendance is expected. Students are responsible for bringing themselves <u>up-to-date</u> on class material and assignments. Exams will be a combination of material presented in lectures, and homework problems. Homework should be completed and returned in the specified time for marking.

Objective

- This course introduces basic Web page development techniques. Topics include HTML, scripting languages, and commercial software packages used in the development of Web pages. At the conclusion of this course, students will be able to use specified markup languages to develop basic Web pages.

- Unless otherwise indicated, evaluation of student's attainment of objectives is based on knowledge gained from this course. During performance evaluations, students will be provided necessary tools, equipment, materials, specifications, and any other resources necessary to accomplish the task. Specifications may be in the form of, but not limited to, manufacturer's specifications, technical orders, regulations, national and state codes, certification agencies, locally developed lab assignments, or any combination of specifications

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Lesson Plane

Lesson	Week Days
Lecture1 **Lecture 2 (lab)**	Monday,Monday Monday, Wednesday

Lab Task

- Macromedia dreamweaver
- Note Pad
- WordPress
- Xampp server

Assignment Tasks

Web Development Project

Introduction

• "The application of systematic and quantifiable approaches to cost effective analysis, design, implementation, testing, operation, and

maintenance of high-quality Web applications." –

Kappel *et al.*

• Extends *Software Engineering* to Web applications, but with Web-centric approaches. And other relevant contributions from many disciplines

Defining Web Applications

Unlike traditional software, the Web serves as both *development* & *user* platform.

• A *Web application* is a system that utilizes W3C standards & technologies to deliver Web-specific resources to clients (typically) through a browser. Kind of ...Technology + interaction.

– Web site with no software components?

– Web services?