

CSC309F

Programming on the Web

Prof. Penny

W10:30-11:30, Bahen 5227

e-mail: penny@cs.toronto.edu

newsgroup: ut.cdf.csc309h

Course Goals

- Understand concepts and principles underlying Web technology
 - You will understand what's going on behind the scenes.
 - You won't need to practice hit & miss programming.

Course Topics

- Static Client Content
 - Unicode, XML, CSS, XHTML, XSL,
- Dynamic Client Content
 - Forms, JavaScript, DOM, Java Applets
- Dynamic Server Content
 - Perl CGI, Java Servlets, RDBMS via Servlet JDBC
- Operational Concepts
 - Networks, protocols, web servers, security
- Guest Lecture
 - TBA

Minimum Preparation

- CSC270, CSC209, CSC228
 - Java, systems programming, file structures, make, scripts, some degree of maturity in programming
- No prior knowledge of Web technologies is assumed.
 - Although we will move quickly so anything you already know will be an asset

W3C: World Wide Web Consortium

- W3C is the repository for most of the standards documents we will be using.
- Available on the web @ <http://www.w3.org>
- These are the best and final source for all information
 - You must learn your way around the W3C and learn to use the documents effectively.
- Books are helpful to provide more examples or to clarify certain points

Recommended Books

- "Programming the World Wide Web",
1st Edition, Robert Sebesta,
Addison-Wesley, 2002
- Reference: Various O'Reilly books
 - Dynamic HTML: The Definitive Reference
 - XSLT
 - Perl in a Nutshell
 - Java Servlet Programming
 - Database Programming with JDBC and Java

Evaluation

- programming assignments
 - 3 of them
 - ass1 (15%): Client-Side
 - ass2 (20%): CGI Server Side
 - ass3 (25%): Java Servlets and RDBMS
 - They must work when the TA tries them out!
 - Your responsibility to test TA deployment scenario completely. No excuses. TAs won't debug.
 - Late Policy: due Friday during tutorial.
 - Monday lecture -15%
 - Wednesday lecture -30%
 - not accepted after that.
- 1 final exam (40%)

Technology

- Must hand-in assignments on the CDF Linux facility (Netscape 7.00 [probably])
- Can do all work on that facility
- Can work at home as well
 - pro:
 - convenient
 - good experience
 - con
 - additional setup
 - extra work to install onto CDF and ensure everything works properly in that environment - NO EXCUSES!

Tutorial

- First tutorial will be Sep.20
 - I will post room assignments on the Web page