Quiz #4 Study Guide: IST 405

Programming the WWW Chapters 10, 12, 13 (JSP, ASP.NET, & Database Access)
4 December 2008

Servlets and Java Server Pages

Primary proponent of JSP

What is a servlet?

Servlet advantages

Significant servlet classes

Methods for handling HTTP requests from the HttpServlet class

Generating output from a servlet

Cookies redux

Servlet session tracking

What is JSP?

Differences between servlets & JSP

JSP advantages

4 JSP document elements

JSTL

Including the JSTL in your JSP

JSTL EL

Using JSTL EL to accept form input

ASP.NET

Primary proponent of .NET

What is .NET?

COM

Fundamentals of the .NET framework

.NET languages

CLR/CTS/CLS

Common types in the CTS

Common language requirements in the CLS

Attributes of C#

Primitives

C# parameter passing options

Fundamentals of the Framework Class Library

What is ASP.NET?

Generating output from ASP.NET

ASP.NET document elements

Required components of ASP.NET documents

Accepting form input in ASP.NET

Database Access through the Web

Primary proponent of databases

Most popular genre of databases

RDBMS table fundamentals

Field/Record/Table/Database

It's all about the 'R'

Types of 'R's

RDBMS languages

4 SQL data manipulation statements

How to connect related tables in SQL

Concerns with UPDATE & DELETE

3-tier web application architecture

Generic database access protocols/APIs

What is LAMP as it relates to web application development?

Accessing MySQL from PHP

Most popular commercial and OSF RDBMSs