Midterm Exam Study Guide: IST 405

Programming the WWW Chapters 1, 8, & 9 and IIS, Apache
16 October 2008

Origin of the Internet

Origin of the WWW

Origin of the browser

What is the Internet?

What is the protocol of the Internet (not *just* the acronym)

IPv4 vs. IPv6

IP Addressing

Domain names

TLDs

Internet protocols and applications

Structure of web-based applications

HTTP (meaning and structure)

URL/URI (meaning and structure)

MIME (meaning and structure)

General web server configuration and operational issues

Main features of Apache

Main feature(s) of IIS

Web application programming languages

Primary configuration options for Apache

Origin of Apache

Hardware requirements for Apache

Hardware requirements for Windows/IIS 6.0

What is the IIS Metabase?

Uses of Perl

Original developer

Types of variables

Types of scalars

Integer & hexadecimal literals

String literals

Variable names

Statement syntax

Comment syntax

Statement blocks

Operator precedence

Arithmetic operators

String operators

Assignment operators

Relational operators

Boolean operators

Common string functions

Standard input & output streams

If statements

Looping statements

Function declarations

Passing arguments to functions

Returning values from functions

Regular expressions & Pattern matching

What is CGI

Executing a CGI

GET & POST methods

Reading form input

What is meant by "stateless"?

What are cookies?