LAMP Stack

System and Web Development Workshop

On Test 2

Time and Place

- Test 2 will take place during the Lab on Week 13, right after Labor Day Holiday.
  - Section 1 Fri 9 May, 8-9:50 am
  - Section 2 Tue 6 May, 10-11:50 am
  - Venue: T8-303 (regular lab classroom) and T8-306

Rules

- Closed book test; no notes or electronic devices allowed.
- Bring a pen (or two); we will provide scratch papers.

On Test 2

Coverage

- Test 2 focuses on material covered after Test 1 to the class right before Test 2.
  - I.e., range from 6b_JS_Objects to Linux
  - Including material from the lecture, lab, sample codes, class exercises and assignments from the range in the previous line
  - Reference material will not be covered unless the specific material are used in the list in the previous line

On Project

- Information on the project will be released on the day Assignment 3 is due.
  - See iSpace on that day.
- We will randomly group 3 pairs together to form a team of 6 people.

Summary the This Course, so far

Front-end: Web Pages

• HTML, CSS and JavaScript

Back-end: LAMP stack

• **L**inux   operating system (OS)

• **A**pache   web server

• **M**ySQL   database

• **P**HP   programming language

• These 4 things stacked together form the most common way to deliver web applications.

• All are free and open source!

LAMP Stack

- **L**inux OS
  - Arguably the most stable OS, especially if running the system 24/7 (24 hours a day, 7 days a week).
  - We will study Linux next.

- **A**pache server
  - For client – server applications; the client uses a browser to access info from the server.

- **M**ySQL database and **P**HP programming language
  - We've studied these for the past few weeks.

XAMPP

- Most of us don't have our own Linux machine running 24/7.
- So instead of LAMP stack, we use XAMPP in this class (and in your database management class next semester).
- XAMPP can run in many platforms such as Windows and Mac.

- **X**   Cross platform (X means cross)
- **A**pache
- **M**ySQL
- **P**HP
- **P**erl   for scripting

XAMPP

- In XAMPP, we replace Linux with a cross platform OS.

- Linux can run UNIX scripts, but cross platform OS can't.

- So we add Perl to run Unix (like) scripts.

Next Topic: Linux