ITC 250/CPET 499 Web Systems
Homework Assignment #1

Assigned 2015/8/25
Due 2015/9/8 before 3 PM.

Guideline for the Homework #1

(a) Students ID as shown at the end of the review questions are assigned to study, answer and lead the class discussion for Q/As posted on the Blackboard Discussion Forum. Be sure to give such information as the source of your answer: such as on what page of textbook where you find your answer; web site search links, etc
(b) Go to Blackboard Discussion Forum to answer your assigned question. Each student is responsible for answering one question; other students are also required to visit and give your comments for other unassigned questions.
(c) Questions 15 and 16 are unassigned and will be used for those who wants to get extra credit for this homework

Chapter 1 Review Questions

1. What are the advantages of packet switching in comparison to circuit switching? (Student ID: aranja01)

2. What are the five essential elements of the early web that are still the core features of the modern web? (Student ID: hjeklkc01)

3. Describe relative advantages and disadvantages of web-based applications in comparison on traditional desktop applications. (Student ID: inhead01)

4. What is an Intranet? (Student ID: mezezr01)

5. What is a dynamic web page? How does it differ from a static web page? (Student ID: myerdj01)

6. What does Web 2.0 refer to? (Student ID: redwjl01)

7. Describe the four layers in the four-layer network model. (Student ID: szilar01)

8. What is the Internet Protocol (IP)? Why is it important for web developers? (Student ID: amphs01)

9. What is the client-server model of communications? How does it differ from peer-to-peer? (Student ID: mcdeaj01)

10. Discuss the relationship between server farms, data centers, and Internet exchange points. Be sure to provide a definition for each. (Student ID: necea01)

11. Describe the main steps in the domain name registration process. (Student ID: rairbm01)

12. What are the two main benefits of DNS? (Student ID: ranomj01)

13. How many levels can a domain name have? What are the generic top-level domains? (Student ID: stevnt01)

14. Describe the main steps in the domain name address resolution process.(Student ID: waidta01)

15. How many requests are involved in displaying a single web page?

16. How many distinct domains can be hosted at a single IP address?

17. What is the LAMP stack? What are some of its common variants? (Student ID: grogma01)