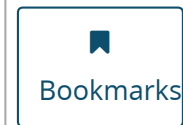




## HKUSTx: ELEC1200.3x A System View of Communications: From Signals to Packets (Part 3)



- ▶ Pre-course Materials
- ▶ Topic 1: Course Overview
- ▶ Topic 2: The Link Layer
- ▶ Topic 3: The Network Layer
- ▶ Topic 4: Routing
- ▶ Topic 5: The Transport Layer
- ▶ Topic 6: Reliable Transfer Protocols

## Topic 7: The Application Layer &gt; 7.1 Application Layer &gt; 7.1 Quiz



## 7.1 Quiz Question 1

(1.5/2 points)

For each of the following applications, indicate the term (client-server or peer-to-peer) that best describes the architecture it is using.

Email

client-server ▼



Skype

peer-to-peer ▼



BitTorrent

client-server ▼



Web browser

client-server ▼



## ▼ Topic 7: The Application Layer

### 7.1 Application Layer

Week 4 Quiz due Feb 15, 2016 at 15:30 UTC



### 7.2 Hypertext Transfer Protocol (HTTP)

Week 4 Quiz due Feb 15, 2016 at 15:30 UTC



### 7.3 Domain Name System (DNS)

Week 4 Quiz due Feb 15, 2016 at 15:30 UTC



### 7.4 Lab 4 - Application Layer

Lab due Feb 15, 2016 at 15:30 UTC



## ► Topic 8: Course Review

## ► MATLAB download and tutorials

*You have used 1 of 1 submissions*

### 7.1 Quiz Question 2

(1 point possible)

Which of the following is/are true for a client-server architecture:

☒ There is one system that always functions as a server. ✓

☐ Arbitrary end systems may connect directly to each other, with one serving as a client and the other as a server.

☒ It is scalable, in the sense that adding additional clients increases the service capability of the system.

☒ Clients may have dynamic IP addresses. ✓

☐ The server may have a dynamic IP address.



#### EXPLANATION

There is always only one fixed server (or possibly virtual server where many servers function as a single server but allow for scaling to handle larger loads). All services are provided by the server, so adding clients does not increase service capability, but

rather increases load on the server. The server should have a fixed IP address so that clients know where to reach it.

*You have used 2 of 2 submissions*

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