**Presentation Notes: Client-Server Model**

1. What is a client?
   1. Where does it run?

**An app that runs on your phone or PC**

* 1. What does it do?

**The app provides the Interface**

* 1. List some examples of a client.

**The app does not control the data**

1. What is a server?
   1. Where does it run?

**Software that runs on hardware owned by   
the app company**

* 1. What does it do?

**It sends and receives data between multiple clients  
using internet connections**

* 1. List some examples of a server.

**They work together to give you the complete application.**

1. Explain why you need both a client and a server to complete an internet application?

**One is useless without the other part**

**Presentation Notes: Domain Names & IP Addresses**

1. What is a Domain Name?
   1. What is it used for?

**An ID for a service on the internet**

* 1. Is it for human or computer use?
  2. It is a human readable format
  3. Provide an example of a Domain Name.

**Clients do not have Domain Names**

1. What is a IP Address?
   1. What does IP stand for?

**The id number of a client or server device   
on the internet.**

* 1. What is it used for?

**It is used to route messages and data   
between computers**

* 1. Is it for human or computer use?

**Computer**

* 1. Provide an example of an IP Address.

IPv4 (1990 to Present)

4 numbers, 64 bits (2^64 combinations)

Issues: Limited Speed & Limited Number of Connections

1. Who can register a domain name?

**Domain names can be registered by companies and individuals**

1. Who controls domain names for countries (i.e. .CA, .UK, etc.)?

**CIRA (Canada)**

1. Who controls domain names like .COM, .ORG, etc.?

**com, org, etc. – Network Solutions (United States)**

1. Who owns and controls IP Addresses?

IP Addresses are "rented out" to Domain Names for a fee

With IPv4 there are a limited number of IP Addresses

1. If you own a Domain Name does that mean you also own an IP Address?

**Yes**

1. What services do *middleman* companies like GoDaddy.com provide?