

Client Server / Transport Layer Pt. 1

Due Apr 18 at 11:59pm**Points** 10**Questions** 10**Time Limit** None

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	2 minutes	10 out of 10

Score for this quiz: **10** out of 10

Submitted Apr 4 at 10:15pm

This attempt took 2 minutes.

Question 1

1 / 1 pts

Client-Server Relationship: The server is usually the initiator of communication.

☐ True☒ False**Correct!**

Question 2

1 / 1 pts

Servers must do this in order to associate a socket to a network interface and a port.

☐ Listen☐ Wrap

Correct!

- ☒ Bind
- ☐ Connect

Question 3**1 / 1 pts**

Ports under 1024 are considered "Reserved" ports and only privileged processes should access.

Correct!

- ☒ True
- ☐ False

Question 4**1 / 1 pts**

When attempting to bind a socket, why might the function return a -1?

Correct!

- ☒ There is already a socket bound to that location
- ☐ The socket was successfully bound to that location
- ☐ No answer text provided.

Question 5**1 / 1 pts**

USUALLY, we do not care about what port is being used for our application, as long as the IP address is explicitly defined.

Correct!☐ True☒ False**Question 6****1 / 1 pts**

UDP stands for User Demultiplexing Protocol.

☐ True☒ False**Correct!****Question 7****1 / 1 pts**

What would best describe UDP?

☐

A Connection-less Protocol, that is able to successfully implement flow control and reliability

☐

A Connection-Oriented Protocol, capable of handling multiple packets at a given time.

☐

A Connection-Oriented Protocol that does not provide reliability or flow-control.

☒

A Connection-less Protocol that does not provide reliability or flow control.


Correct!

Question 8**1 / 1 pts**

TCP is distinct from UDP in the sense that it provides an established connection, provides flow-control and reliability.

Correct!☒ True☐ False**Question 9****1 / 1 pts**

Match the correct flag description with it's respective flag.

Correct!**SYN**synchronization, used f **Correct!****ACK**acknowledge received **Correct!****FIN**Finish, used to tear dov 

Other Incorrect Match Options:

- Final, last message in the stream
- Action, do some action with the payload
- synchronization, used to set the clocks

Question 10**1 / 1 pts**

Correct!

What is the initial Sequence number for a client?

☒ Random☐ 0☐ Random + 1☐ 1

Quiz Score: **10** out of 10