

QPractice ..



-- Online Questions Practice Application

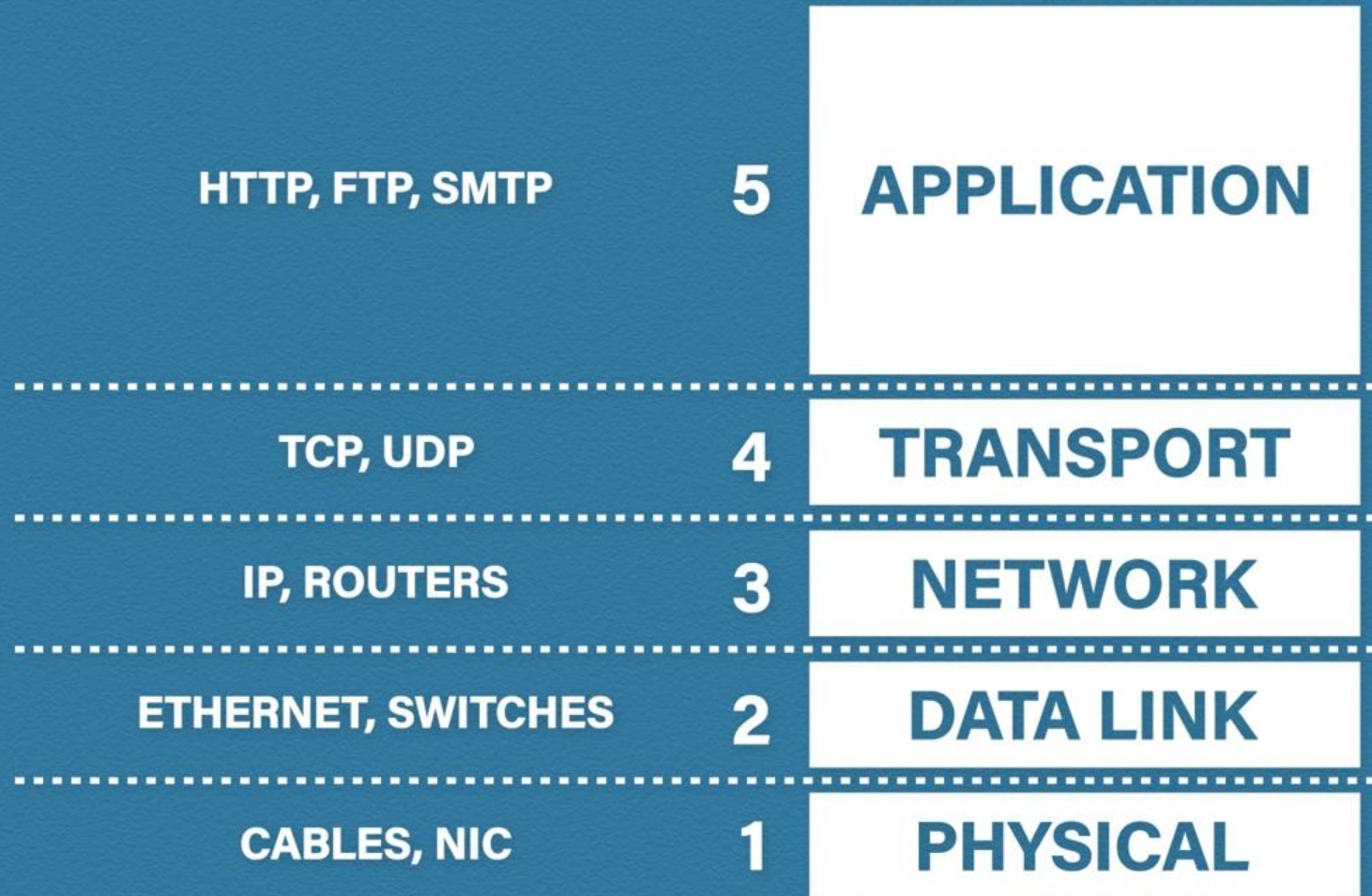


Objectives:

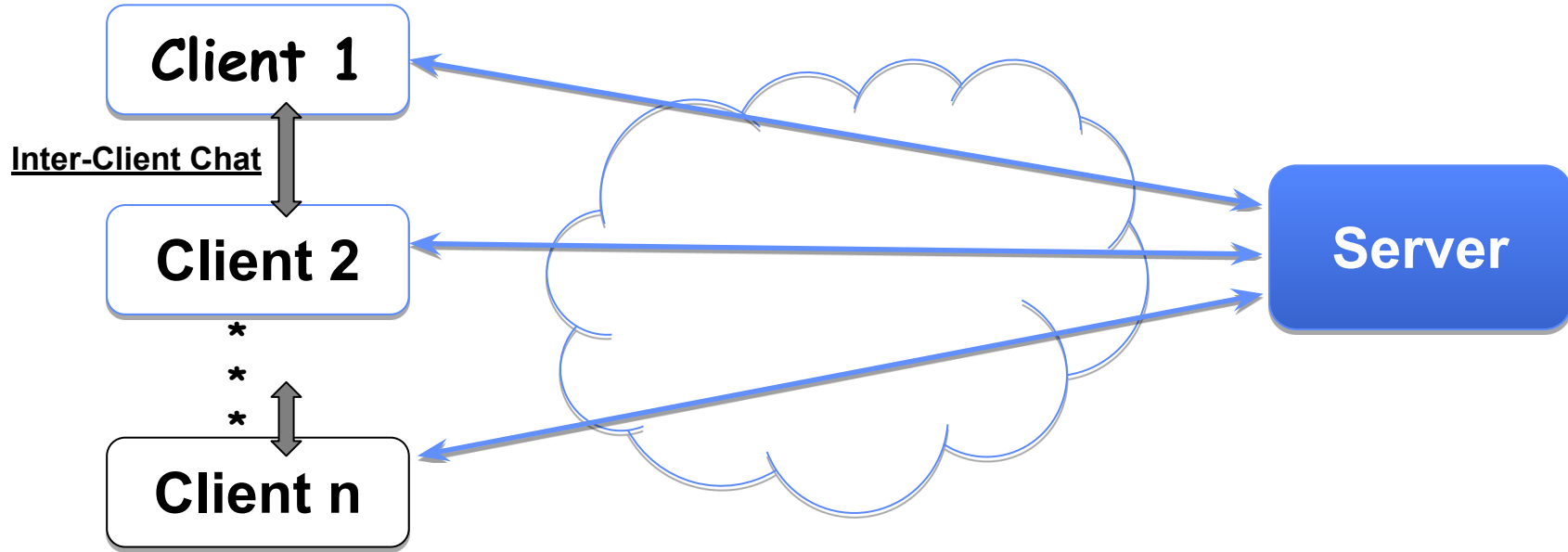
- **Creating an online questions practice application in which multiple users can attempt those questions anywhere at the same time.**
- **In this application only the administrator should have access to create/add questions.**
- **Others clients/users can attempt those questions individually or by pairing with other users.**
- **If a user decides to pair with other users, they should be able to chat and discuss the question with each other.**

TCP/IP Model

A model designed to standardise computer networking



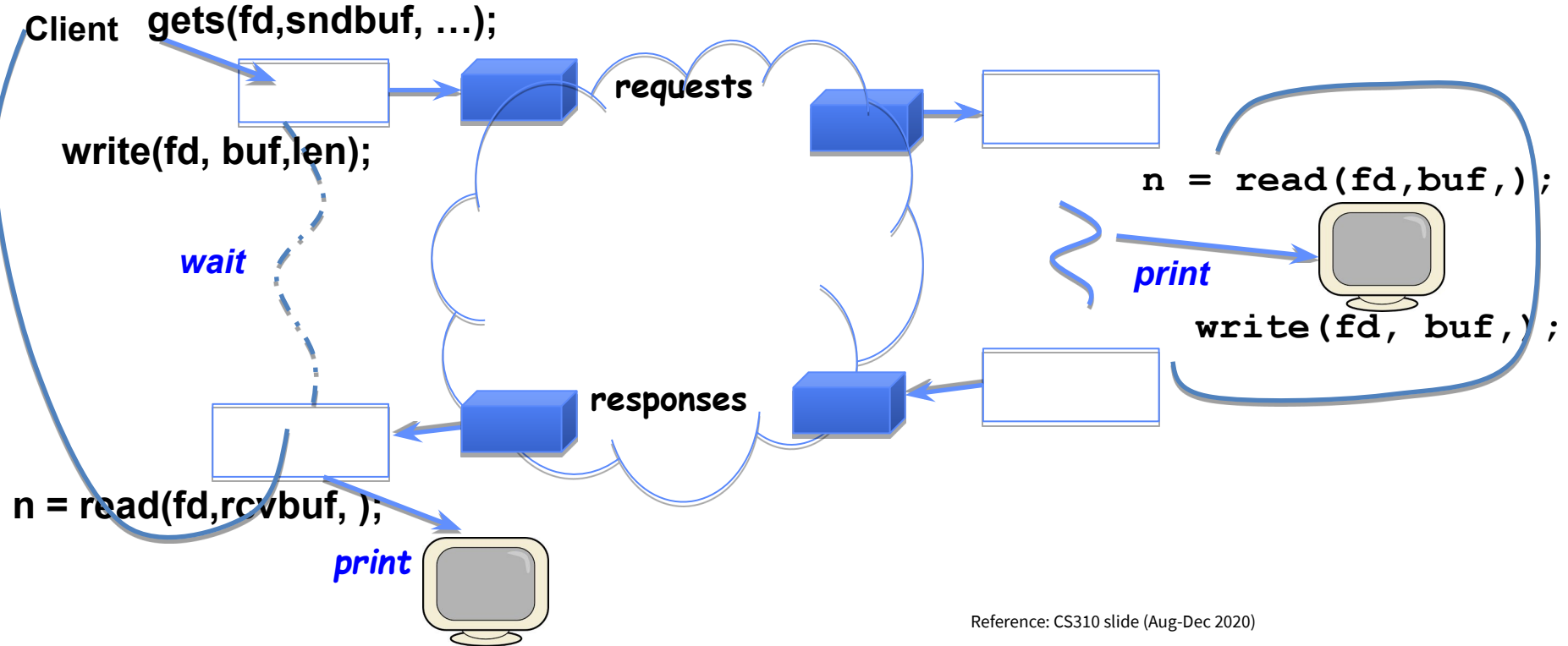
Client-Server Models



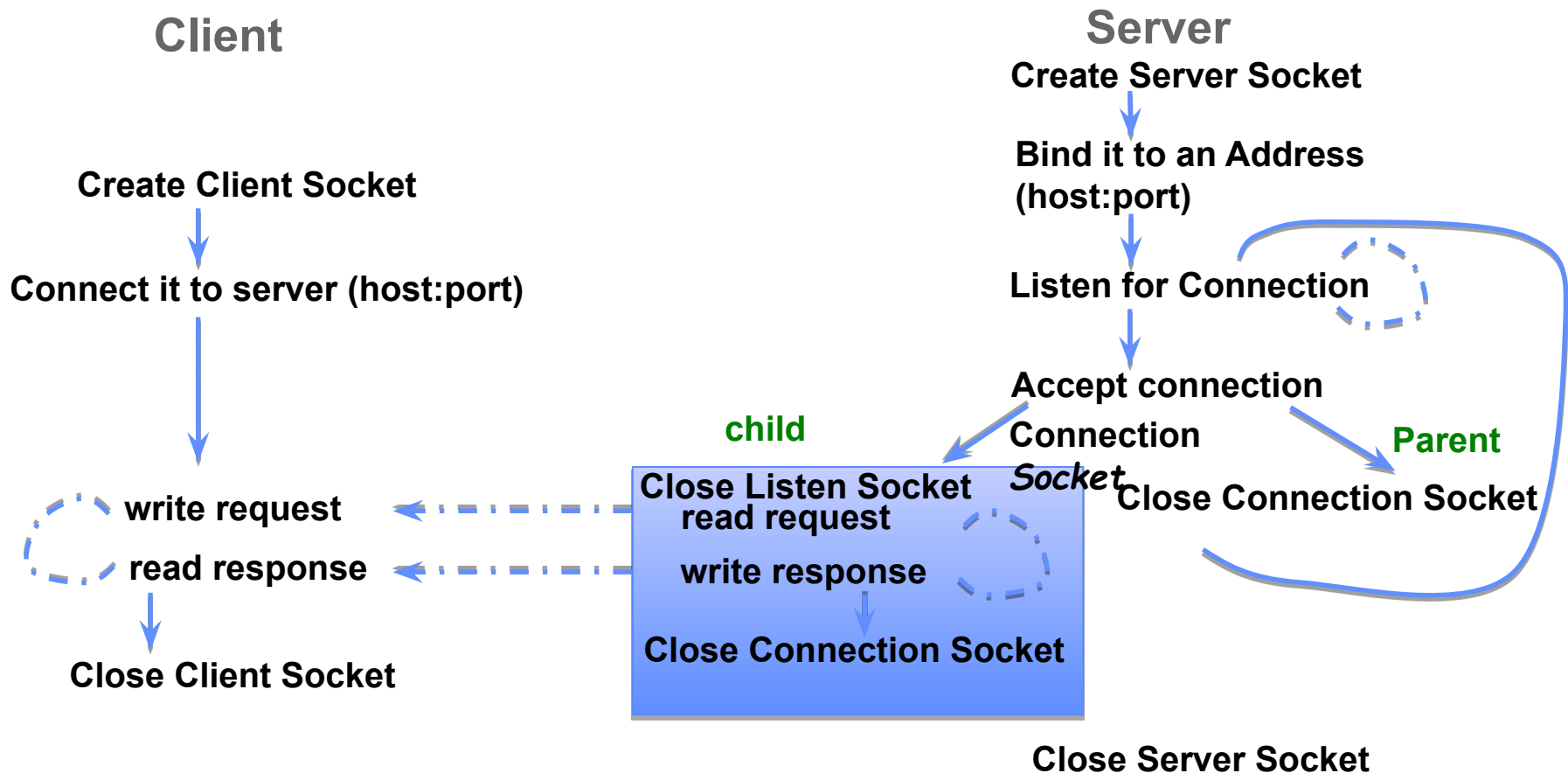
Basic Idea .

Client

Server




Server With Protection and Parallelism



To Summarize ..

3 Modes to use the QPractice ..

```
Welcome 114312 to QPractice..  
  
Select Mode:  Press I for Solo practicing..  
              Press G for practicing in Groups..  
              Press A for Administrator Mode
```



Solo Mode ..

```
I
OK Pick a Topic from the following:
1. Cricket
2. Hockey
3. Boxing
4. Baseball
5. Football
6. Chess
7. Kabaddi
8. Icehockey
9. Volleyball
10. Long Jump
11. Swimming
12. Shooting
13. Gymnastics
14. Badminton
15. Tennis
16. Table Tennis
17. Squash

1
This is a sample question.
no answer
Correct. The explanation is given below:
First go to admin mode and input your questions :-)
```

- Choose Question
- Answer them
- Get the correct answer(if wrong) and explanation.
- Multiple users can attempt the question at a same time.

Admin Mode ..

- Choose Admin mode
- Provide/Add the question in required format.
- If question is added, “Successfully inputed Question” message is received.

```
Select Mode: Press I for Solo practicing..
```

```
Press G for practicing in Groups..
```

```
Press A for Administrator Mode
```

```
A
```

```
Enter the question in the Assignment format:
```

```
Question_Topic;Question_Type(0 for MCQ, 1 for Fill in the blanks);Question_test;Question_Answer;Question_Explanation
```

```
Cricket;1;What is cricket;Sports;Cricket is a sport
```

```
Sucessfully Inputed Question
```

Group Mode ..

- Find active users.

```
G
Active users are:
106570 114312 120876 177731
Specify the userId with whom you want to collaborate:
114312
Collaboration Established.
```

- Accept the request in other client machine

```
Request to collaborate from 121000
Press 'Y' to affirm, 'N' to reject.
Y
```

Group Mode ..

- After connection request is accepted, discuss with each other by sending message in format. (Client 1 in first image and Client 2 in second image)

```
Collaboration establising..  
Please wait for it to begin.To send a message: @userId:msg  
@117471:hi ankit here  
█
```

```
from @117471:  
hi ankit here
```

-- >Discuss and solve the questions.

Future Challenges.

- Adding Graphical Interface.
- Marking system to judge the performance.
- Live competitions.
- Buzzer Competitions.
- Leadership board.

Thank You !

