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SERVER

CH

CLIENT

SERVER Socket

client Socket

3. Receive order request

1. Connect to server

2. Send order request

4. Delivery order

5. Receive order

In-order delivery

while True:

1. Deliver package to client

2. Receive delivery

3. Delay time (optional)

Guaranteed delivery



Tai Doan  
In-class activity

2)  $\begin{array}{r} 1111011011100111 \\ 0111010101010111 \\ \hline 10110110000011110 \\ \hline \text{Sum} \quad 011011000011111 \\ \text{Check sum} \quad 100100111100000 \end{array}$

b)  $\begin{array}{r} 0101010011100111 \\ 1111110101010000 \\ \hline 10101001000110111 \\ \hline \text{Sum} \quad 0101001000111000 \\ \text{Check sum} \quad 1010110111000111 \end{array}$

c)  $\begin{array}{r} 1111011011100111 \\ 0111010101010111 \\ \hline 1011011000001110 \\ \hline \text{Sum} \quad 011011000011110 \\ \text{Check sum} \quad 1001001111000001 \end{array}$  single bit flip

→ The checksum and the data is sent to the receiver, and if there is an error with the single bit flip, the receiver is able to detect the error by compare the check sum from the sender with its calculated checksum