Service-oriented Architecture INT 3505 1

Homework 1: Socket programming

1. Team member

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2. How to run

Run the server first,

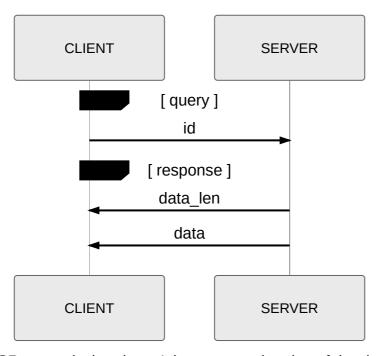
python3 server.py

then the client

python3 client.py

Enter the ID to get the information.

3. Description



As TCP transmission doesn't have EoT, the size of the data must be known beforehand.

First, the client sends the id (MAX_ID_LEN=64 bytes max) to the server.

Then the server replies with the length of the data (itself MAX_HEAD_LEN=4 bytes max), simulating a LEN header.

Finally, after obtaining the data size to read, the client receives data from the server, in MAX_BUF=4096 -byte chunk.

4. Screenshot

