## Client Requirements

* Each of these information is representing flow information between a provided source and destination ip address
* Ask the ta if we want the information to be port specific or not
  + Packet specific information.
  + Backward flow information.
  + Forward flow information.
  + Protocol specific information.
  + Flag specific information.
* Packet specific information:
  + Minimum packet length
  + Maximum packet length
  + Mean packet length
  + Standard deviation packet length
  + Minimum Interarrival
  + Maximum interarrival
  + Average interarrival
  + Standard deviation interarrival.
* BackwardFlow & ForwardFlow information:
* how limited can we do this, ask the ta if its fine to omit information that is not in the second dataset.
  + Total number of packets
  + Maximum packet length
  + Minimum packet length
  + Mean packet length
  + Standard deviation of packet length
  + Mean value of interarrival times
  + Max value of interarrival time
  + Packet header length
* Protocol information:
  + Transport layer protocol number identification
  + L7Protocol
  + ProtocolName: holds the application name following the code number stored in L7Protocol
* Flag information: (complete)
* Do we need flags? The second dataset does not have flags.
  + Number of times the packets sent in the flow that had the FIN flag bit set as 1.
  + Number of times the packets sent in the flow that had the RST flag bit set as 1.
  + Number of times the packets sent in the flow that had the PSH flag bit set as 1.
  + Number of times the packets sent in the flow that had the ACK flag bit set as 1.
  + Number of times the packets sent in the flow that had the URG flag bit set as 1.
  + Number of times the packets sent in the flow that had the CWE flag bit set as 1.
  + Number of times the packets sent in the flow that had the ECE flag bit set as 1.