## 18-345 Project 2 - Protocol Design

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Our UDP Header will consist of four four-byte integers.

First: ClientID number from the originating backend server.

Second: Sequence number, for tracking in our ARQ. This is linked to the ClientID and the

sender's IP address.

Third: A RequestID assigned by the backend server that uniquely identifies the

transaction of one file. Before one has been assigned, it is set to 0.

Fourth: UDP Packet type (mapped to integer values), one of:

REQUEST: A request from a frontend to a backend peer for a file

DATA: File sent to a requister

ACK: Acknowledgement of recieval for DATA packet

NACK: Acknowledgement of a packet we need but haven't received KILL: A message from a frontend informing a backend peer to stop

transmitting its file in case of disconnect



