CS 3210 – Computer Networks Lab
Jan – Apr 2014
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Programming Assignment 4 – UDP Based File Server
Due Date : March 24, 2014, 9 AM, on Moodle

Assigned on March 16,2014

1. Description

For the given assignment, implement a system in between the client and the server which passes the packets between the two entities. This system should take parameters **p** and **q**, which are essentially drop probabilities for either side. You have to experiment with a complete sweep of parameters (change p from 0 to 1 in steps of 0.1 and for each value of p, sweep q from 0 to 1 in steps of 0.1) and report your observations.

Note that the SW should take care of no packet loss i.e the final file should be complete and in-order.

2. What to Submit

The source code along with the make file in the same format as the previous assignment. Make sure that the executables are named "client" and "server" respectively.

We will be providing 3 files on which you will have to run your code. They will be a text file , a pdf and a mp3 file which has to be transferred over the network and then played on the client side.

Note : This is an INDIVIDUAL assignment. If you have any difficulty, please post it on the forum.