

CSC7221: Project 1 (a)

Department of Computer Science and Engineering, CUHK

Due: Date on the final exam

This project is for students who feel that they are not very sophisticated in programming, or that they do not have a good background on simulation. Therefore, instead of doing programming, this will be a literature survey.

In short, you can choose to do a *survey paper* on the following TCP protocols. You have to find out their unique features, their strengths, shortcomings, applicability,...etc. In other words, you have quite a bit of Internet search, a lot of readings, a lot of understanding, and to provide sound justifications as to why one should (or should not) adapt a specific TCP protocol.

Some of the TCP variants are:

- TCP-Tahoe
- TCP-Reno
- TCP-New-Reno
- TCP-Vegas
- TCP-Illinois
- TCP-Westwood

In particular, you have to specify, under what type of networking scenarios, which TCP version you will choose to operate and provide the justification.