CSC 435 Computer Networks, Spring 2019
Instructor: Dr. Natarajan Meghanathan
Quiz 2: Multicast-based Vote Casting and Counting Application

Due by: Feb. 27th, 4 PM   **Max. 100 points**

Develop a multicast-based election vote casting application as follows: There are two candidates A and B contesting an election. There are five electorates (processes) and each electorate can cast their vote only once and for only one of the two candidates (A or B). The vote cast by an electorate is a character 'A' or 'B', sent as a **multicast** message to all the other electorates. The winner is the candidate who gets the maximum number of votes. After casting the vote and also receiving the vote messages from all the other electorates, each electorate should be able to independently determine the winner and display it.

> For each process: include a screenshot of the vote sent by it and the votes received from the other processes as well as display the winner of the election.

Where to run the programs: You could run on your personal computer, using the localhost option.

What to Submit:
(1) **A video file** (either one of these formats: .mp4, .wmv, .avi) that is generated by desktop recording your explanation of the working of your program and the logic/approach you took to implement. You should display the program on the desktop and walkover the different sections of your code as well as explain the execution flow of the program. You should also record demonstrating the working of your program, as specified in the question.

Note that the contents of the desktop/program captured through your video should be clearly readable.

Submit the video through Google Drive (using your JSU email address) and send the link via email to natarajan.meghanathan@jsums.edu
You could try using one of the **desktop recording software** (or anything of your choice):
CamStudio: http://sourceforge.net/projects/camstudio/files/legacy/
Debut: http://www.nchsoftware.com/capture/index.html

(2) A **report** featuring the code and the screenshots as specified.

Submission:
(1) Video file shared (to: natarajan.meghanathan@jsums.edu) via Google Drive
(2) Hardcopy of the report, submit in class