CSC9006 Real-Time Systems (Spring 2021) Critique 1

** Submission deadline: 9PM, March 25th, 2021. **

To conduct research work in the field of computer science and engineering, it is very important to learn how to read a research paper effectively, i.e., to read it with a critical eye. The three critique assignments in this course are designed for you to gain some experience in such critical reading. Critique 1 (this one) will account for 5% of your final score; Critique 2, 10%; Critique 3, 15%.

Preparation: Read the following paper for advices on how to read a research paper:

> Keshav, S. (2007). How to read a paper. ACM SIGCOMM Computer Communication Review, 37(3), 83-84.

You can search for it using Google Scholar.

Assignment: Read the following paper and answer three questions:

> T. Harrison, D. Levine, and D.C. Schmidt, *The Design and Performance of a Real-time CORBA Event Service*, ACM Conference on Object-Oriented Programming, Systems, Languages, and Applications, October 1997.

Again, you may get the paper via Google Scholar.

- Q1: What are benefits of the use of ORBs? Use your own words to describe one of them.

- Q2: What are the weakness of the conventional avionics architectures? Use your own words to describe one of them.

- Q3: What are advantages of the real-time event service? Use your own words to describe one of them.

Things to submit to Moodle: Write your answers for the above questions into one single plain text file. Name it as `critique1.txt` and submit it to Moodle.

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