*Following the IEEE format….*

CS 4504 PROJECT REPORT – PART1

Fall 2024

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ABSTRACT

This report explores the design, implementation, methodologies, and techniques employed in the …. (200-250 words)

Introduction

A summary of each of the following sections of the entire report…Last paragraph introduces the rest of the report – a sentence per section that follows.

Design Architecture

A good diagram or conceptual model of your system…. (e.g., what I gave in the specs). Each node/component of the mode must be labeled, showing the links and describing the flow of data/logic or interdependencies among the nodes/components. [1]

The diagram/model must be captioned and titled, and discussed: E.g.,

A

Fig.1: This is the block diagram for

Fig 1 depicts a system of two node: A and B. A passes data to B and B consumes it…..

Implementation Approaches:

Describe each major components or module of your code for the simulator, including snippets of code to show how you implemented it – not the full listing of the code module.

Simulation Method

Discuss how you set up the simulation, the experimental design itself. Thus, how many types of data files did you test? What were the sizes of the types? How many runs of the data file (for each type) did you run?

For example, for Text file – you used 4 test files of 1KB, 4KB, 10KB and 30KB

For Audio files – you used 8 test files of …. (similarly)

For Video files – you used 5 test files of …. (similarly)

Plus: For each type of test file data you did run, include a couple of screenshots, showing how the output/results looked like during the simulation runs. (Just a few samples, not all.)

Data Analysis

Here you discuss, *for each of the 4 Text data files used, present the data collected in a single table and plot/graph the data in the table*. The table must have a caption (e.g., Table I: Text-File Runs). The matching graph/plot must also have a caption/title and discussed. - Your observations.

For Audio files – same

For Video files – same

Conclusion:

References

[1] "Distributed Systems: Principles and Paradigms" by Andrew S. Tanenbaum and Maarten van Steen.

[2] "Introduction to Algorithms" by Thomas H. Cormen, Charles E. Leiserson, Ronald L. Rivest, and Clifford Stein.

[3] ……