

## Term Project Report

Version 0.1

Due Date: Friday December 13<sup>th</sup>, 2019 @ 11:59 pm

### Objective

To summarize the results of your TCSS562 term project, each team should submit up to a four page project report summarizing your serverless application implementation and the ensuing performance, throughput, and cost evaluation for the design tradeoffs explored

Please use the provided IEEE template to format your project report.

The template can be found here:

[http://faculty.washington.edu/wlloyd/courses/tcss562/project/term\\_paper\\_template\\_f19.docx](http://faculty.washington.edu/wlloyd/courses/tcss562/project/term_paper_template_f19.docx)

The original IEEE template with additional formatting information can be found here:

[http://faculty.washington.edu/wlloyd/courses/tcss562/project/2014\\_ieee\\_template.doc](http://faculty.washington.edu/wlloyd/courses/tcss562/project/2014_ieee_template.doc)

The template provides a discussion of what to include for each section. Please read and study the template for suggestions on how to assemble your research paper. The major sections are:

- I. Introduction
  - A. Research Questions
    - i. Research Question #1 (RQ-1)
    - ii. Research Question #2 (RQ-2)
- II. Comparison Study
  - A. Design Tradeoffs
  - B. Application Implementation
  - C. Experimental Approach
- III. Experimental Results
  - A. Results of experiments for RQ-1
  - B. Results of experiments for RQ-2
  - C. Analysis and Discussion of Results
- IV. Conclusions
  - A. Summary
  - B. Future Work – if applicable
- V. References

In TCSS 562, we focused primarily on implementing a serverless application and running benchmarks to evaluate performance, throughput, and cost implications. The paper serves primarily to summarize the results of your work. Papers are not expected to be highly “polished” at this stage, however, they must provide a clear explanation of your project and include relevant results.

For example, if your data and experiments are complete and presented well with supporting tables and graphs, but the narrative in the paper still needs work, but the work shows promise, the group will likely receive a good grade.

Groups who have produced very high quality papers will be encouraged to pursue the project further after the class towards submitting a paper to the IEEE International Conference on Cloud and Big Data Computing (<http://cyber-science.org/2020/cbdcom/>). The instructor will work with students to craft a high quality presentation for the conference/workshop. The instructor will work to arrange travel support for students whose papers are accepted for publication to attend the conference.

## Questions

Please contact the instructor for questions and advice on how to approach writing the term paper. The approach to writing the term paper is a common approach which allows students to practice writing research papers. These skills are applicable to writing *any* research paper.

## Submission Deadline

Project term papers should be submitted in PDF format on Canvas no later than 11:59pm on Friday December 13<sup>th</sup>.

## Change History

Version	Date	Change
0.1	12/1/2019	Original Version