

## Term Project Report

Version 0.1

Due Date: Friday December 14<sup>th</sup>, 2018 @ 11:59 pm

### Objective

To summarize the results of your TCSS562 term project, each team should submit a two to four page project report summarizing your cloud native application implementation and the ensuing performance, throughput, and cost evaluation of the design tradeoffs explored. Papers should be no less than two complete pages, and generally not longer than four pages. For papers longer than five pages, only the first 5 pages will be evaluated for grading.

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\\_f18.docx](http://faculty.washington.edu/wlloyd/courses/tcss562/project/term_paper_template_f18.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)

If for some reason the template can not be used, submitting a paper using the same outline/sections as those described in the template is allowed.

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 cloud-native 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 an upcoming academic conference or workshop. The instructor will work to ensure students whose papers are accepted for publication receive travel support to attend the conference/workshop if the submission is accepted. The instructor will work with students to craft a high quality presentation for the conference/workshop.

## **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 14<sup>th</sup>.

## **Change History**

Version	Date	Change
0.1	11/28/2018	Original Version