

“Lightning” Term Project Presentation

Version 0.1

Submission Date: Tuesday December 13, 11:59 am (as in just before NOON, lunchtime)

Objective

For Fall 2022, teams should prepare 3 slides for the presentation. Due to time limitations with 18 teams **we will not hold presentations**. Instead, the instructor will post an aggregate set of slides to allow the class to see some results of the projects. The Tuesday December 13th class session will be used as an office hours session to discuss how to improve experimentation, data analysis, and presentation for the term project papers.

Team presentations *should* consist of the following slides:

TITLE SLIDE. Include Team Number, Team Member Names, and a Brief Project Title

Slide 1. Describe the overall project completed in Fall 2022:

What is the use case (application)?

What are the case studies? (there may be more than 1 case study. what was compared?)

Provide major details regarding the implementation: languages, tools, technologies

Slide 2. Describe your testing approaches – use of sequential or parallel clients for testing, HW description (ec2 instance, laptop, etc.) What is unique about how you performed testing? How was SAAF employed?

Slide 3. Performance Comparison: provide initial results comparing alternative implementation

Use tables and/or graphs

Use metrics to quantify performance (runtime, latency, throughput), and cost

Slide 4. (optional) More Results

Slide 5. (optional) More Results

For the “TLQ” pipeline application, throughput describes the measured number of rows processed per second by your pipeline using different sized input files (e.g. 10, 100, 1000, 10000, 100000 rows, etc.) For the TLQ pipeline, investigations should consider which input datafile allowed the best throughput (i.e. small vs. large files)?

Given space constraints, do not use more than 5 slides.

Submission Deadline

Please submit slides using Canvas by Tuesday December 13th at 11:59 AM for inclusion in the aggregate class slide deck and for discussion and review in the class session Tuesday evening.

Please submit slides in pptx/ppt/pdf format, or provide a Google slides document link.

Results in the slides ***can be preliminary***. The final project report due December 17th should capture the final results and analysis.

Change History

Version	Date	Change
0.1	12/6/2022	Original Version