Final Project Presentation

CS554: Data-Intensive Computing

Due: 9:00AM 04-27-2023

Overview

A major component of your grade will be based on your semester-long project, which you have been assigned. Your final presentation is a self-contained presentation that may include things you have already presented from your weekly progress reports. You should create your slides with tools such as Google Slides, Keynote, PowerPoint, or OverLeaf. Your presentation should be 20 minutes long plus a 5 min Q&A session. Your slides must be submitted via BB by the due date above.

Your final presentation should include the following information:

- Title slide including people involved (1 slide)
- Introduction, Background, and motivation (1 ~ 3 slides)
- Proposed solution (1 ~ 3 slides)
    - Clearly state the nature of the project (e.g. implementation of a real system, simulation, theoretical, empirical performance evaluation, survey, etc)
    - Be specific about what techniques you used, what existing software and systems you used, etc
    - Use diagrams to explain your proposed solution
    - Describe your implementation, such as programming languages used, lines of code, dependencies, source control, etc
- Evaluation (2 ~ 6 slides)
    - Be specific with the evaluation methodology, metrics measured, and variables you explored
    - Since all of your projects had some systems component to them, where you built some system, or at least you analyzed some existing system, I expect you to have a significant performance evaluation section, with empirical results!
    - I don't want to see lots of graphs/tables, without clear explanation on what the experiment was, why did you do it, what were the variables that you fixed and what were the variables that you varied, metrics used (make sure you defined them somewhere), and what did you learn from the experiments; in the end, I don't want raw data, I want interpreted and well thought out results
    - Every figure should be labeled, every axis should be labeled and have clearly defined units
- Related work (1 ~ 2 slide)
    - What others have done that is similar to what you are proposing
    - Be specific in what is different in your work from that which has been proposed previously
- Conclusion (1 ~ 2 slides)
    - What have you learned?
    - How have you evaluated that your project was a success?
    - What future work would you do, if you were to pursue this further?

Using the guidelines above, you are likely going to have a final presentation that will range between 7 slides to 17 slides long (with a few more slides for transition if needed). These are not hard limits, but guidelines. You should avoid having a presentation that is less than 7 slides, and one that is more than 20 slides.

You should submit your final presentation in both PDF format and source format an archive (e.g. ZIP, TAR) named CS554_Final-presentation_LastName-FirstName.{tar/zip} on BB before the deadline at 9:00AM 04-27-2023. You will present from the slides uploaded on BB.

Schedule of presentations is as follows, all to take place on Thursday 04/27 between 9:40am and 3:40pm (note the location changes between the three different sessions:

- Session #1: SB007
    - 9:40am: Jamison Kerney, Ian Dougherty (sharding)
    - 10:05am: Tanmay Anand (GIGI)
    - 10:30am: Marut Pandya (hashing algorithms)
    - 10:55pm: Atharva Dongare, Sonal Gaikwad, Sara Ataullah (hashing algorithms)
- Session #2: SB201
    - 11:25am: Jack Mohr (trading strategies)
    - 11:50am: Saumya Borwankar, Mohit Jadhav (time series prediction)
    - 12:15pm: Saksham Gulati, Adarsh Agrawal, Shrey Jaradi (finding diamonds in the rough through predictive analysis)
- Session #3: SB007
    - 2:00pm: Kishan Patel, Het Patel, Haren Amal (offline blockchain)
    - 2:25pm: Hendra Anggrianto Wijaya, Diego Escondrillas (TBD)
    - 2:50pm: Prajakta Kumbhar, Shlok Mohan Chaudhari, Vishal Gawade (profiling Chia plotting)
    - 3:15pm: Nikhil Goud, Shruti Shete (sharding)