

6.1800 Project Part 2: Presentation

Due: During May 6 - May 8, scheduled with your TA. Presentations will be scheduled with both your and your TA's availability in mind (in particular, we cannot accommodate having every team go on May 8!). Your TA will reach out beforehand to schedule.

Length: 10-15 minutes

Since submitting Part 1 of the project, it's likely that your system has changed (or will change) in response to feedback from your TA. Additionally, you should have started thinking about how to evaluate your design. The project presentation is where you will present your final design along with its evaluation, and discuss how it performs in certain use cases. It is also an opportunity to practice your oral communication skills.

Content of the Presentation

Your presentation should begin with a summary of your subsystem, but you do **not** need to explain the problem you're solving (your audience is the 6.1800 staff, and we are all, at this point, very familiar with the problem you're solving). Your summary should answer the following questions

- What did you prioritize in your design, and why?
- What group(s) of people did you have in mind as you designed your system? How did that shape your decisions?
- What are your key design decisions, and how do they support your priorities?
- How does your subsystem handle the basic functionality for transferring and storing videos? How does it handle edge cases?
- What types of failures does your design support, and how?
- How did you consider privacy when it comes to storing videos?

You should also include an evaluation of your system that answers the following questions:

- What is the communication overhead of your system? What does your system gain from any additional communication that you added? That additional communication might be administrative overhead, it might be duplication of certain messages, etc.
- How long do various operations take on average? In the worst case? These operations could include the latency of getting a piece of data to a particular place, the amount of time it takes to locate a piece of data on local storage, etc.
- What parts of your system limit scale, and what are those limits? E.g., could your system handle the addition of more users? Of more data?
- What (groups of) people are positively impacted by your design? What (groups of) people are negatively impacted by your design?

At some point in your presentation, you should note how it performs under certain use cases:

- One use case that illustrates the limit of your design

- One use case that highlights a priority that you believe separates your design from obvious solutions.

Additional Guidelines

- Presentations should be 10-15 minutes (absolutely no more than 15 minutes; your TA will cut you off after 15). Each group member should speak for roughly the same amount of time.
- Your presentation will **not** involve slides, but you will have access to a chalkboard or whiteboard to use. Your WRAP instructor will give you guidance on the format of the presentations in Tutorial 10.
- You will give your presentation to the TA who gave you feedback on your report. **We encourage you to schedule a team rehearsal with your WRAP instructor beforehand.** Such a rehearsal is not required, but well-rehearsed presentations are often the most successful.
- Your TA will reserve five minutes at the end of your timeslot to ask clarifying questions if they have any.

Grading

Your TA will give you a letter grade. The grade will be based on how well you have answered the questions highlighted in this assignment, as well as whether your design meets the requirements of the spec.