

# CS 621

## Final Project Report

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Due: **Wednesday, May 17, 2023, 11:55 PM EDT** via [Gradescope](#). Late submissions without prior permission will be rejected.

### Overview

This is a group assignment. Each project group is to submit one report. The group will also present for **5 minutes** in class on **Thursday, May 11, 2023**.

For the presentation, there are two options. **Option 1:** You can present in person, in class, on Thursday, May 11, 2023. This is the preferred option. If you chose this option, your presentation will, naturally, precede the completion of your project, and thus it can describe your finished progress **and** your expected remaining effort. **Option 2:** Alternatively, you may elect to submit a 5-minute video of your presentation by Wednesday, May 17, 2023, 11:55 PM EDT. The expectations for the video option are higher, as your project will be completed and the presentation must describe all and only the completed work. Also, it is harder to make a high-quality video than to present in person, so, for these reasons, I highly recommend Option 1. But the choice is yours.

Every member of the group is expected to put in equal effort into the project. The entire group will share the same grade; however, if members identify others who have not contributed (or have contributed above and beyond), the grades can be varied accordingly.

The goal of the final report is to describe the work you completed as part of the class research project. It should be a complete, self-contained document.

The final report (both the write up and the presentation) has to include the following:

1. A statement of the problem you solved.
2. Motivation: Why is that problem important to solve?
3. Placement of your problem and solution in the context of related research (just as your literature review did).
4. A description of how you solved the problem.
5. Detailed evaluation of the solution, and the results.
6. Conclusions.

It is expected that your final report will use significant text from your literature review and project plan submissions. You should, of course, address the comments you got on that text.

### Deliverables

Each group should upload two files via [Gradescope](#):

- Submit a .pdf of a single write up, per group. You should aim for roughly 10 pages, but I impose neither a minimum nor a maximum: You should write enough to describe and motivate your problem, place your work in terms of related research, and detail your solution, evaluation, and results.

- If you chose **Option 1** above, submit a powerpoint, keynote, .pdf, or any other reasonable format of the presentation slides you used in your in your class presentation. If you chose **Option 2** above, submit a video of your 5-minute presentation. If gradescope gives you trouble uploading a large video file, you can use the UMass OneDrive or Google Drive and submit a link to the video.

Your report should not be written as a mystery novel. The sooner you describe your problem at a high level, and summarize your findings and your support for those findings, the better. You may include an *abstract* at the start of your report that accomplishes this job, or simply include this information in the first section.