

CIS450/550 Project Deliverables

The last stage of the project consists of two deliverables: a final Project Demo (Dec. 13-14), and a submission of the final project code and writeup (Dec. 16). Details of these follow, along with the grading rubric that we will use.

1) Demo (Dec. 13-14)

- Each demo should take about **12 minutes**, with 3 minutes for questions, and has been assigned to a session with 4-5 other groups.
- Plan your demo carefully to **showcase all features of the project**, along with any extra credit implemented. Be sure to run through it several times ahead of time so that the presentation goes smoothly.
- **Bring 3 copies of your updated project description**, and give them to Prof. Davidson and the TAs before the presentation.
- Each member of the group should be involved in the presentation. Remember that this is a presentation not just to the TAs and professor, but to your fellow class members as well.
- Group members must be present not only for the demo but for the entire session.
- You may present your application using the computer in the room by entering the URL of your server/host on a web browser, or using one of your laptops.

2) Code (Dec. 16)

- Turn in your entire code library, in an archive, and include a brief Readme, explaining the different modules and the setup specifications.
- Instructions on how to turn it in will be posted to Piazza.

3) Writeup (Dec. 16): Your final project documentation serves the purpose of summarizing your project. It should be succinct but comprehensive. Keep it under seven pages, and be sure to include the following components:

- Abstract (the idea and motivation behind your application)
- Modules and architecture
- Data instance use (how you married your application with the data instance)
- Data cleaning and import mechanism
- Any algorithms, communication protocols etc. that you might have used.
- Use cases
- Optimization techniques employed (indexing, optimization)
- Technical specifications

- Special Features you would like to highlight
- Division of work between group members

4) Grading Guidelines: The following rubric will be used to grade your project.

- Basic (75%)
 - i. Data cleaning, importing and utilization
 - ii. Querying (quality and complexity)
 - iii. Schema + indexing + optimization
 - iv. Use of cloud platform
 - v. Use of NoSQL solution
 - vi. Result (success from inception to realization, lucidity in code organization)
- Special (25%)
 - i. Idea and Architecture: Conceptualization and structure. Novelty gets as many points as clarity.
 - ii. Demo: Your presentation skills, effort you put into the demo, and how it goes.
- Extra credit
 - i. Use of APIs
 - ii. Appealing concepts/features outside of the idea.