Final Project Report Guidelines

Overview
The Final Project Report will take the form of a web page that will be published on the course website. The report should be structured similarly to your lab reports, following the organization outlined below. Your web page should be clear, visually well-designed, and compliant with web standards.

Required Report Sections

1. Header
Include the following information at the top of your web page:
- Project title
- Date of submission
- Names and NetIDs of all team members

2. Introduction
Briefly describe the motivation and overall scope of your project.

3. Project Objective
Provide a concise summary (3–4 sentences) of your project's Summarize what you accomplished at a high level.

4. Project Video
Include the following placeholder video link on your website:
https://www.youtube.com/watch?v=et91Gea6CPk

Create a ~2-minute video demonstrating your project and upload it to the Cornell Box folder (https://cornell.box.com/s/0v0wdiky2z7gvs7un9reylqd05eb8mu3). The instructional team will then upload your video to the class YouTube channel and update your website to embed the final version.

5. Design and Testing
Describe the design process and development steps taken throughout your project. Include:
- Key design iterations and major milestones
- Challenges encountered and how you resolved them
- Testing procedures and results verifying functionality

6. Results
Evaluate your outcomes:
- Did your project perform as intended?
- Did you meet your original goals and specifications?

7. Conclusions

Summarize key takeaways:

- What worked well?
- What did not work as expected, and why?

8. Future Work

Discuss possible extensions or improvements if you had additional time or resources.

9. Parts list

Include a detailed bill of materials listing all components, quantities, and costs.

10. References

Provide citations for all materials and tools that supported your work, such as:

- Student project pages consulted
- Data sheets for components used
- Online references and documentation
- Academic papers or textbooks
- Source materials from class lectures or labs
- Ai Tools, version of AI used

11. Code Appendix

Include all source code in this section. Provide code listings directly on the page or include a link to an accessible repository. All project code must be accessible for review.

12. Team Contributions

Include a short description of each team member's contributions. Each team member should write their own section.

13. Figures, Drawings, and Supporting Media

Integrate relevant visuals throughout your report:

- Photos, sketches, diagrams, and graphs
- Early design ideas, prototypes, and failed experiments
- A team photo on the webpage

If in doubt, include the material — completeness is preferred.

Presentation and Readability

To ensure a professional and accessible report:

- Use code headers and comments in all code listings
- Include figure legends for all photos and plots
- Use readable font sizes and consistent formatting
- Proofread and spell-check
- Verify that all links function correctly

You may review examples of previous student projects at: http://skovira.ece.cornell.edu

Website Creation Guidelines

• Create standards-compliant HTML that passes W3C Validation (http://validator.w3.org/)

• The top-level file must be named index.html

• Do not use external hot links for images

• Observe copyright and attribution requirements

• Organize files:

  - /img folder for images

  - Separate folders for CSS and scripts

• Flash animations or videos are permitted, but the main report must not be in Flash

• Check case consistency in file extensions (e.g., .jpg vs .JPG)

Website Creation Tools

You may use the sample web templates provided on Canvas. Alternatively, use any webpage creation tools as long as you can export the HTML source files.

Submission Requirements

Deadline: The final report is due two days after your project demo.

Submission Steps:

1. Compress all website files into a single zip archive named Lab_group_name.zip

2. Submit the following to Canvas:

  - Zipped website files (.zip)

  - PDF printout of the entire website

  - PDF of all code (combined in one file)

3. Upload your ~2-minute project video to the designated Cornell Box folder.

Administrative Requirements

Two additional administrative submissions are required:

- Release Form

- Parts Inventory