

Milestone #3: System and Evaluation Design

CS325 - Fall 2021

Presentation Deadline: November 22, 2021 11:59 PM EDT.

Report Deadline: November 29, 2021 11:59 PM EDT.

Platform: One member of each team needs to submit this report on Gradescope. **Make sure you add all group members during submission.**

File Format: LaTeX PDF with CHI double-column conference format (the same format at the first 2 milestones). If you are using Overleaf, click the following link, and then click Open as Template

(<https://www.overleaf.com/latex/templates/acm-conference-proceedings-master-template/pnrfvrrdbfwt>). Select the **simple-sigconf.tex** file from the sidebar. Use this file to write your deliverables report.

Page Format: Maximum 6 pages. **Your goal for this deliverable is to clearly describe the final prototype you have implemented and how you will evaluate your design.** You do not have to fill up all 6 pages with content - if you manage that using fewer pages, it's perfectly fine.

Structure:

1. **[15 points] Final Prototype (About 2.5 pages):** Develop the final prototype for the 3 tasks you have chosen in your previous deliverables. Your prototype should be functional with all desired features and interactions implemented.

Document your final prototype using photographs or screenshots. These images should document the primary components and show how the prototype supports your task examples. Include annotations and labels as appropriate to ensure that the demonstration is easy to understand. You will likely need to take multiple images and combine them into a collage. **Make sure that your final collage is legible for us to read, understand, and grade.**

With your collage, address each of the following questions:

- What is the problem you are trying to solve? (Problem statement)
 - What are the three primary features you implemented to solve this problem?
 - How does your final solution differ from your proposal in milestone 1?
 - What challenges did you face while designing and developing your solution?
 - How did you address these challenges?
2. **[15 points] Evaluation Design (About 2.5 pages):** One way to assess the effectiveness of your solution to solve the chosen problem is to evaluate your prototype. In this course, you have been introduced to several user evaluation techniques (e.g. User Studies, Heuristic Evaluation, Cognitive Walkthroughs). In this part of the

assignment, you must decide how you will evaluate your project (**do this carefully - you will be expected to conduct this evaluation for the final report!**). Your goal with the evaluation is to fairly assess the merits of your solution. We do not expect you to have created a perfect project in just one semester, but we do expect that you will be able to fairly discuss the successes and failures of your project with respect to the problem you are solving.

You are free to pick whichever kind of evaluation you would like. However, your description should be detailed enough that another person in the class could conduct your evaluation for you. **Be sure to address the following questions:**

- What method are you going to use to evaluate your prototype?
 - What will you measure? How will you measure it?
 - How many people will be involved in the evaluation?
 - How are you recruiting these people?
 - What methods are you going to use to analyze the data?
3. **[10 points] Participation (about 1 page):** Write down the names of your group members and clearly mention each group member's contribution to the milestone in detail. **The descriptions of the contributions should be detailed enough for us to evaluate and grade accordingly.**

This component should be written individually by all group members.