Now we need to evaluate your prototypes! The sky's the limit, but we want to ensure that the data you plan to collect will be valid, and informative for your final design.

The goals for this assignment are to:
- Test your prototypes
- Analyze the data collected
- Use the results to better understand how to improve your design

Part 1: Data Collection / Study
To begin with, you will collect data from your peers (and any other users you can get to participate). This does not have to exactly follow what you proposed in the last assignment, but you should be sure to highlight any changes. Make sure to describe how many people you included in your study (including enough detail to understand the general setup without referring to your previous assignment), any relevant demographics, and what you measured.

Include: A brief description of the experimental setup, the measures collected, and your data.

Part 2: Data Analysis
Now let's see what's in the data. Each team will need a different set of statistical tests to understand what is in their data. Describe what methods you used, why they were justified in this setting, and the results given your real data. Be sure to report statistical differences clearly and with all relevant information (e.g., p values, degrees of freedom, etc.). Look up the APA format for reporting statistics for your statistical tests if clarification is needed.

Include: A description of your methods and resulting outcomes.
Part 3: Lessons / Takeaways

Now let’s see what all your data means in practice. For this section, write a few paragraphs about how your data may influence your system design, what you found surprising, what worked as expected, and what you were not able to answer from the study you design (and how you could modify the design of the study if you got to do it again).

Include: A writeup of what your data implies for the design of your system (and systems like it).

>> Next Up (Part E): System Design/Implementation

After getting feedback and iterating on your design, you will be asked to write up a description of what your final system design was, what/how you built (or are building) your MVP, and what changed as a result of your prototyping and initial evaluation.

Grading

This written report is limited to a maximum of 1500 words (~3 pages), but will be graded on your ability to clearly address the goals of the project.

This assignment will be evaluated based on the three core parts:

- Testing (20%)
- Data Analysis (40%)
- Takeaways (40%)

Clarity and detail are the primary measures of quality for all three of these parts.