ME 170 Lab 1
Learning Objectives

After this lab you should be able to...

1. Understand the impact of human centered design
2. Implement the human centered design process to address your partner’s needs
3. Summarize mindsets for successful design
Introduction to Human Centered Design
That was a false-start

- How’d did that feel?
- That was a typical problem-solving approach, taking on a given problem, working using your own opinions and experience to guide you, and with a solution in mind to be designed.”
- Let’s try something else—a human-centered design thinking approach
Reflection

- What did you make?
- Who has a partner that created something you really liked?
- Who sees something they’re curious on learning a little more about?
- What was the process like?
Steps of the Process

INSPIRATION
In this phase, you’ll learn how to better understand people. You’ll observe their lives, hear their hopes and desires, and get smart on your challenge.

IDEATION
Here you’ll make sense of everything that you’ve heard, generate tons of ideas, identify opportunities for design, and test and refine your solutions.

IMPLEMENTATION
Now is your chance to bring your solution to life. You’ll figure out how to get your idea to market and how to maximize its impact in the world.
Design Mindsets

1. Empathy
2. Creative confidence
3. Think to build and build to think
4. Learn from failure
5. Embrace ambiguity
6. Optimism
7. Iterate, iterate, iterate
The Project

For the project pick a room in a living space to identify unmet needs

E.g. bathrooms, kitchen, living room, bedroom
Project Requirements

How much it’s worth

What’s due?
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Interviews

- Talk to at least 6 people in your area
- At least one interview has to be an in-context interview
  - E.g. in a cafe, in a restaurant
- Use assignment worksheet to guide how to take notes during interviews + tips for talking to people