

Communication goal:

The dataset is providing information about how different antibiotics reacted on bacterial infection to act as "wonder drugs". My communication goal is to provide users direct answer of what antibiotic they should choose for each bacterial based on the minimum inhibitory concentration (MIC). Meanwhile, users will have knowledge of how each bacterial reacts to gram staining.

Design thinking:

Based on the first-round design, I still choose to use bar chart. The Y axis is still bacterial and X axis is MIC values for 3 antibiotics. Changes I made are as below:

- I wrote paragraph to tell users what bacterial are each antibiotic best at cope with in the first design, and this time, I colored the bar(s) for each bacterial of the most effective antibiotic according to the minimum MIC value.
- Originally, I colored bars to show the gram staining color, so I have to change that this time. I added a new variable based on Gram Staining value, that the name of bacterial will add a '-' mark behind if it's negative or add a '+' mark if it's positive.
- I broke the Y axis by put all positively reacted to gram staining bacterial above, and all the opposite bacterial below.