

ME403: Assignment 4
“Design Brainstorming”
Guide to Responding

1. Come up with at least 25 design solutions through brainstorming. Document them all within your notebook, including any sketches or other pieces of information related to your ideas.

Note that at this point, nothing is wrong or should be dismissed. Do not worry about the feasibility of your ideas; instead, work on developing as many alternative ideas as possible. There are no wrong answers, and you should try to come up with as many ideas as you possibly can.

However, it should be noted that despite this initial assignment of brainstorming, the techniques and application of brainstorming should be something that you are continuously engaging in throughout the design project. You will focus this brainstorming into a more applicable smaller direction as you refine a design, but you should always be exploring new concepts and ideas.

2. Explore the brainstorming ideas you have developed and work toward compiling the various ideas into a top five of potentially viable solutions.

Use your design specifications to help achieve this, paying attention to how various ideas can potentially meet your various metrics, particularly the more important ones. Consider how multiple brainstorming ideas may be able to work together into a new, valuable concept.