




(20 pts) Approx. 2 days

The final part of our project is communication. Just as the engineering design process ends with communication, so will our last unit of the semester. It's important to communicate your work with others because it helps share ideas, it helps you get feedback on your work, and it helps us hold each other accountable for doing good work and being done on time! Here, we'll communicate our work using a written reflection, a picture, and by sharing with classmates.

1. **Project Reflection:** With your project/program complete (or near enough to completion that you can talk about it) it's time to think about the process. Take some time to write a full-page reflection in your notebook on what you did to complete your individual mini-project. As you write your reflection, answer the questions below:
 - a. What was your original idea?
 - b. How did that idea change as you worked through the project?
 - c. What was easy about your project? What was difficult or frustrating?
 - d. How might other programmers use the same ideas in their own work?
 - e. The next time you sit down to make your own program, how will you be able to do it better?
 - f. What do you know now that you wish you had known at the start of the project? Why would that be useful to have known earlier?
2. **Picture & Flow Chart:** Now you need to draw a picture.
 - a. **For your programming project:** Draw a diagram that shows how you put the program together. This could be a re-drawing of your class structure that lists in more detail the methods you chose to use, or it could be a more abstract representation of how the program works in your brain. Maybe you think about the program as a flow chart (if this, then that), in which case you could create that flow chart! Either way, you need some graphical way to share what you did with others (including your future self).
3. **Communicate:** The last Monday of our semester will be spent sharing project work as a class. You'll get a little bit of time to tell us about what you learned or what you made, and to give us all advice on doing the same. This will take a full class period all together, so be sure to plan that into your GANTT chart right from the beginning!

Part 3: Tasks	8 points	7-5 points	4-0 points
 Project Reflection	+ You wrote a full page reflecting on your programming process + You answered all the reflection questions posed above	- Your reflection is less than a full page - You did not answer all the reflection questions	- Your reflection is missing - Your reflection is off-topic
 Picture & Flow Chart	+ You drew a picture of your final project that represents the function of that project in some way + Your diagram is easy to understand and is complete	- Your diagram/flow chart is missing important parts - Your diagram/flow chart is difficult to understand	- Your diagram/flow chart is missing
	4 points	3 points	2-1-0 points
 Communicate Your Work	+ You share your work with the class during our Engineering Roundtable	- You share some of your work - You only share with a few people	- You do not share your work with the class