

Due to the ongoing pandemic, a safe way to measure and record somebody's temperature is needed. This design is intended to solve this issue by removing the need of having two users to record a temperature. Not only is this system intuitive, but it also displays the temperature on an OLED screen and alerts the user if they have a fever.

Before we even began working on the project we realized that communication would be an issue, so we decided what platform we wanted to use to communicate. Then as a team we developed a top-level block diagram and interface definitions. This allowed us to assign specific blocks to each member and specific requirements that each block must meet. We set soft due dates so we could meet at least once a day throughout the week and have some work to show. During these meetings we discussed current project goals and checked on individual block progress. If a revision was suggested as a team we would view the pros and cons of that suggestion and decide on whether or not it would benefit us.

A key lesson that we have learned is to take into consideration the wires that come from the device. Our first enclosure was too thin and because of that we had to make the enclosure thicker so the wires would not stick out. We also learned how important time management is when working on a project with a strict due date. Overcoming the difficulty of working online is by far the biggest lesson. It taught us how to communicate well with each other and to make our blocks as clear and precise as possible so it can be understood by other people.

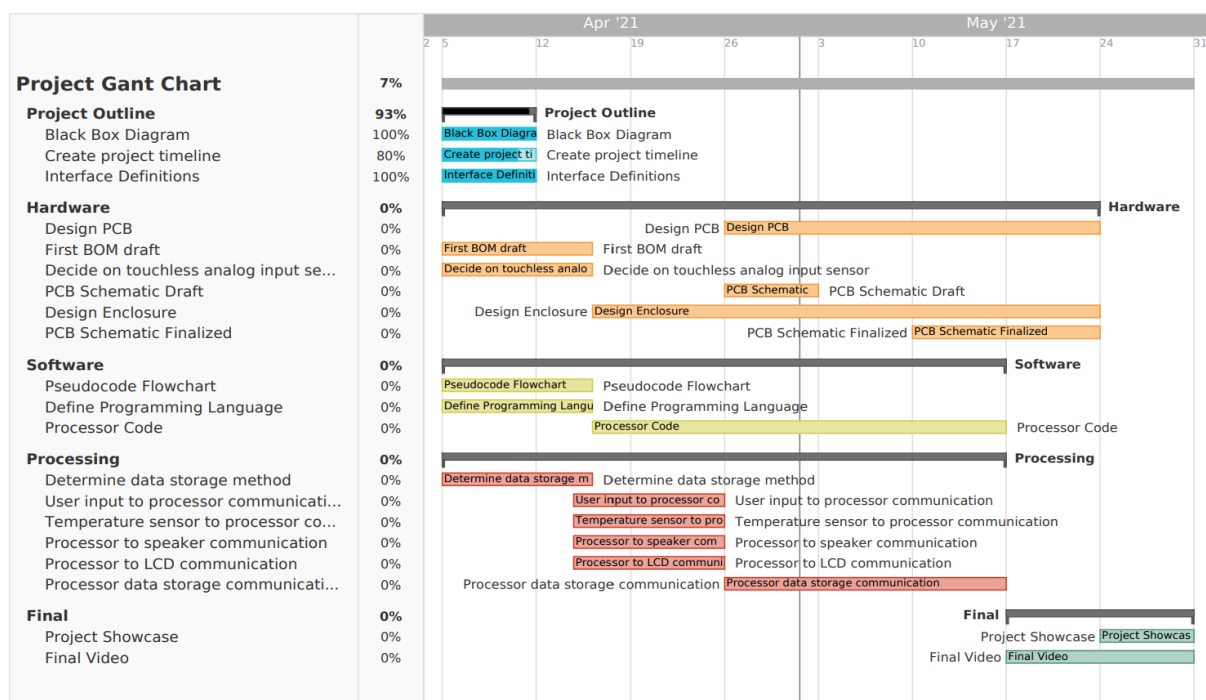


Figure 1: Project Timeline