

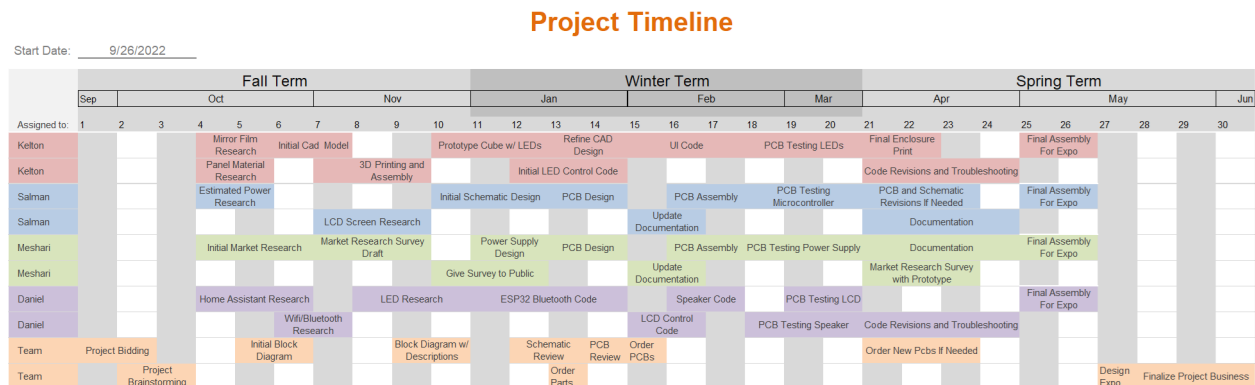
Design Problem:

The design problem we faced was to create a product that could be marketed to an end consumer. We needed to create a product that filled a need a customer had, and design it, so its price was affordable for the customer.

Team approach:

Our team started the project by brainstorming ideas for products we found interesting and thought had a customer base. Once we decided on a product we liked, we conducted market research to determine what features users wanted to see and how much they wanted to pay. With that initial information, we created prototypes of parts of the system to test if they'd meet our requirements. Then, using the data from the tests, we refined our design and created more permanent designs for the system. After we had our more permanent designs, we worked on writing code for the system and developing the UI. With our software and hardware finished, we focused the rest of our time on fine-tuning the UI to be more user-friendly and worked to fix any bugs in the code.

Project Timeline:



Key Lessons:

From this project we learned many valuable lessons. One major lesson we learned was to seek out and listen to user feedback because it can lead to major improvements in a systems design. We also learned that it is important to divide tasks evenly among group members to both allow everyone to contribute and makes the development process shorter. Finally, we learned that prototyping early means you can discover flaws in a systems design before they become major issues down the road.