Cables and equipments management system
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Introduction
Cable management is essential to creating a visually pleasing and clean work environment. It also helps with the efficiency of building a new project. Managing cables or wires helps maintain basic functionality and protect the devices from clogged airflow due to messy and disorganized cables. Tangled wires or cables are generally frustrating and time-consuming to untangle. In a scenario like the MEC hutch, there is much long wire connecting from one end to the other end of the hutch. It would save a tremendous amount of time if we could track the status of the cable with a more convenient device.

Conclusions
By far, we have completed the front-end design for the application. We tested the functionality of our application with some randomly generated data, and it works well. The next step in the application development would be to update the search function with back-end factual databases and design a security system to give people different levels of accessibility. The ultimate goal for this project is to apply this app not just in the MEC hutch but also to all the different hutches in LCLS, maybe even for the accelerator itself. We believe that popularizing the use of this app will increase work efficiency and decrease stress at work.

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