

You or a Friend's Problem



Project overview



To make a tool using Arduinos to solve a problem!
My problem: Forgetting to move my stuff from the wash to the drier!

Project goals

01

Have a visual reminder that I need
to move my items from the wash!

02

Make sure that it is not in a place
where I will forget to activate it
after turning on the wash.

03

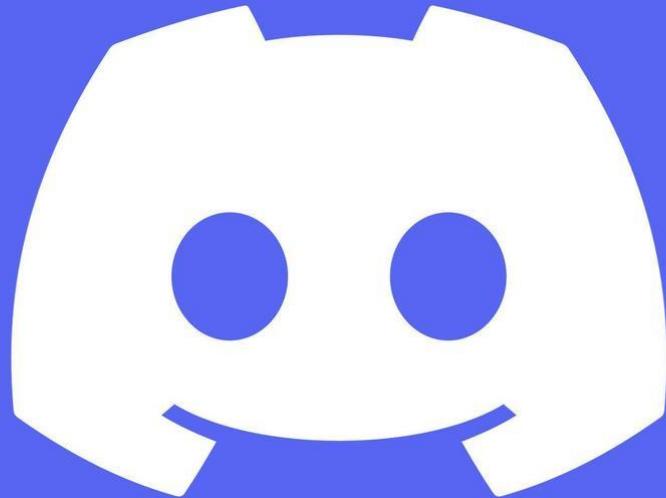
Alert me in a way that makes sure
I don't forget.

The solution:

01

Discord

I have done a Discord webhook project in the past, but by having the Arduino in the laundry room, and using Discord webhooks to alert me, I can be alerted from anywhere!



Important lessons from similar projects

01

Use a timer (similar to our Digital Hourglass assignment) to trigger events, such as a piezo and/or a Discord ping.

02

Continuously alert at intervals to make sure it is not missed.

03

Make it toggleable, have a way to simply deactivate the timer, since I am not always washing clothes! Potentially even a way to display/edit the timer as well.

The plan:

A button + LED



LED on ⇒ Timer is going
LED off ⇒ Timer is not going

Click button once to start timer, click again to stop timer.

Python Script



Using Serial Communication and a Python script to receive timer information from the Arduino and send Discord pings repeatedly at intervals if the timer has finished.

Potentiometer +
LCD



Potentially above and beyond:

Making a potentiometer for adjusting the timer, and LCD for displaying the adjusted time / current time.

Thank you!

