Esp32 Radio Controller

For this assignment we are using an Esp32 chip to act as our radio controller due to how cheap the cost is. With an esp32 we can have specific pinouts send voltage when let's say an action or command is assigned to that pinout. When flying a drone there are required movements such as left, right, up, down, clockwise, and counterclockwise. For each of these commands we will assign a button. We are doing this to understand how to be resourceful and save money. By using an Esp32 we get to understand it uses and how effective it is at its job.

To test our code, we first need a bread board and some led lights connected to the pins that we programmed. When pressing a button on our website the assigned pin should light up a led. For my code I used u for up moving the drone positive Z, d for down which would be negative Z, l for left positive Y, r for right negative Y, front is f positive X, b is backwards negative X. But that's not all a drone needs to add turning we have clockwise c positive X and Y and counterclockwise cc negative X and Y.