

## Architectural Design Decisions

### Design Decisions

- Frontend Design
  - For the Frontend, we wanted to keep it simple and efficient. This is why we chose to use two aesthetically-pleasing light switches, one to control the light manually and one to change the light's mode.
- Hardware Design
  - For the Hardware, we kept it simple and used only a single LED diode as our “lightbulb” and used a photoresistor to measure the lux in the room.

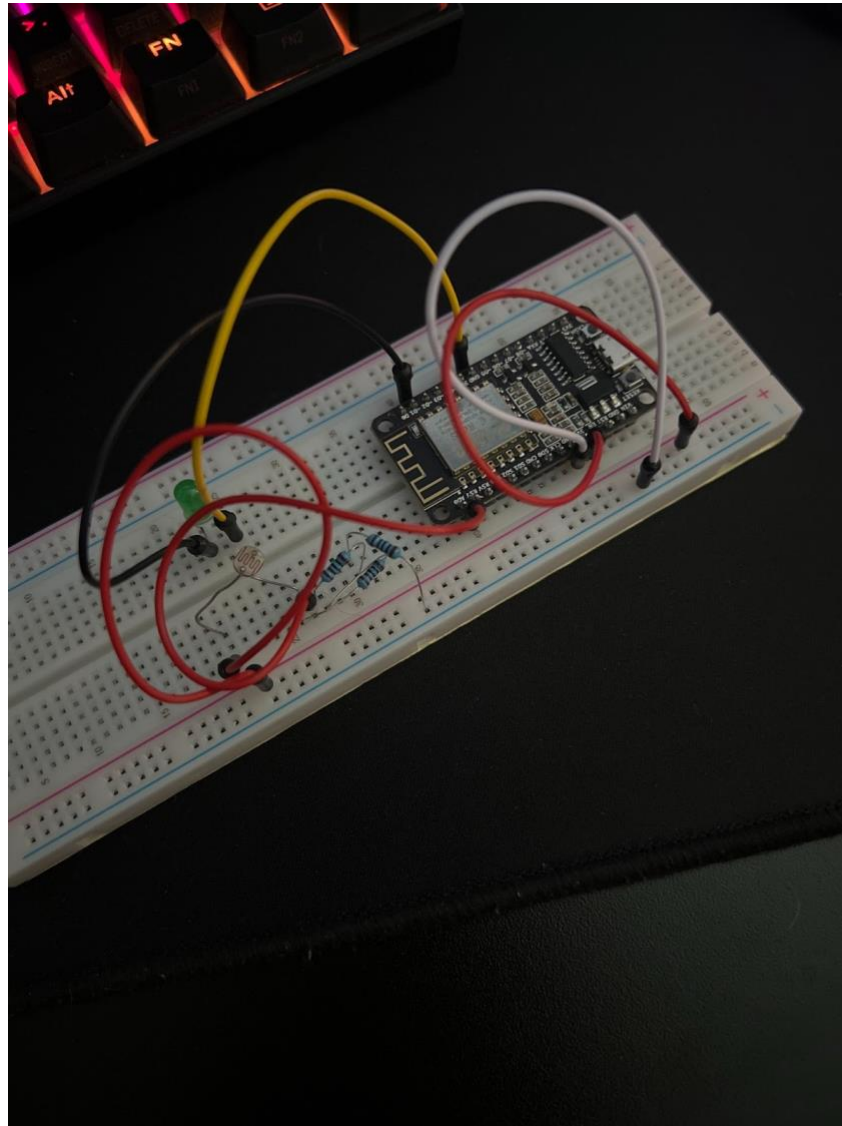


Figure 1: Arduino with LED diode and photoresistor



Figure 2: Online web app functionality switches hosted by Heroku