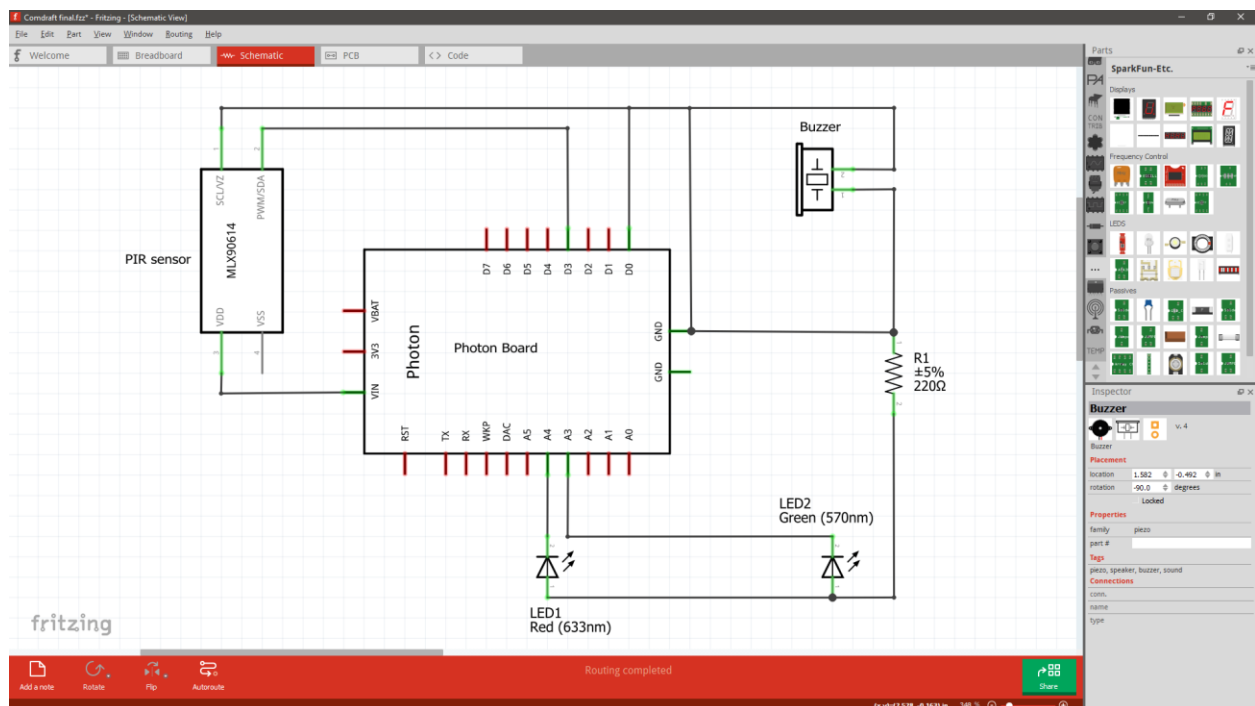


Mungcal, Nathaniel C.

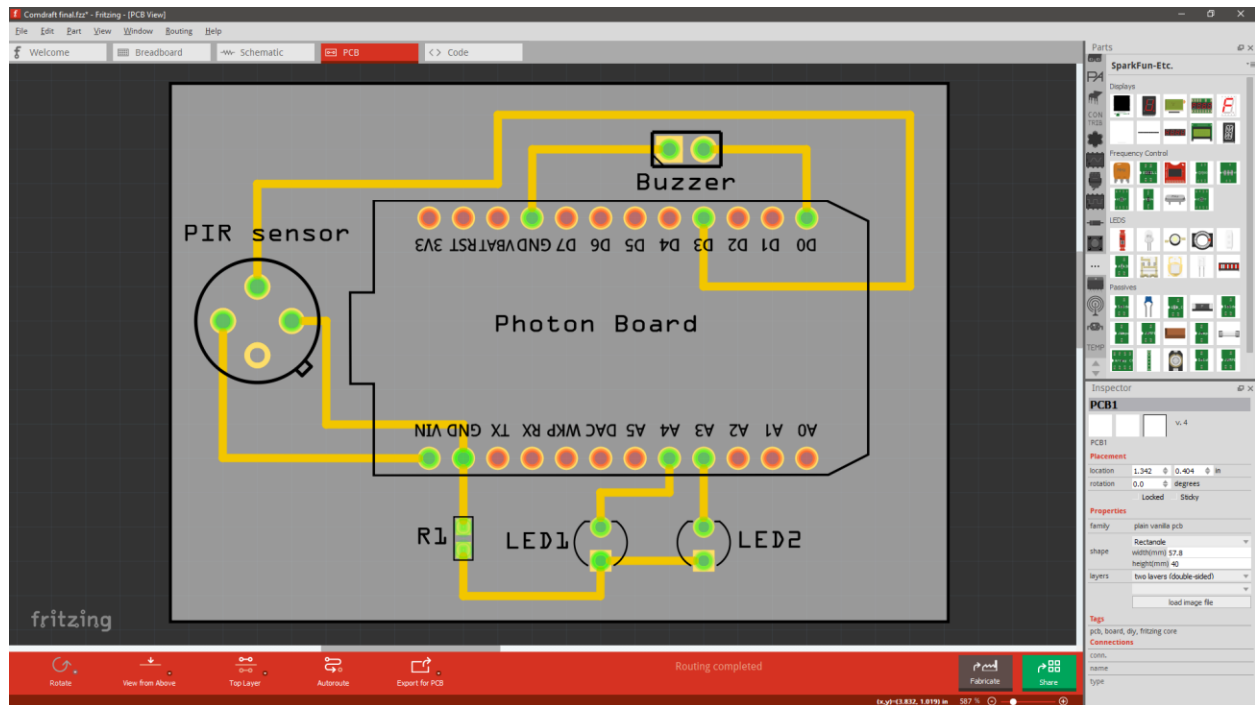
CPE -301

## Progress Report: Motion-Activated Alarm

The schematic diagram for the motion-activated alarm system was successfully completed. The design includes the PIR sensor, photon board, a buzzer for the alarm, and components such as a resistor and an LED. Connections of every wire and component were also accurately mapped. No problems were faced during the process of making the schematic diagram. The wiring of each part and components were pretty straightforward, making the schematic diagram quite simple.



On the other hand, The PCB layout for the motion-activated alarm system has been completed as well. The components were arranged to ensure efficient space was used and no space was wasted. Keep in mind that this isn't the final design of the PCB yet and it can still be improved. Special attention was also given to trace routing and power distribution, ensuring no interference or overlap. Furthermore, no issues were encountered during the making of the PCB and routing everything went smoothly.



## Next steps for the Final Report of the Project:

- Finalize the PCB design
- Look for or complete the code ( if needed ) for the Photon board
- Finish Project