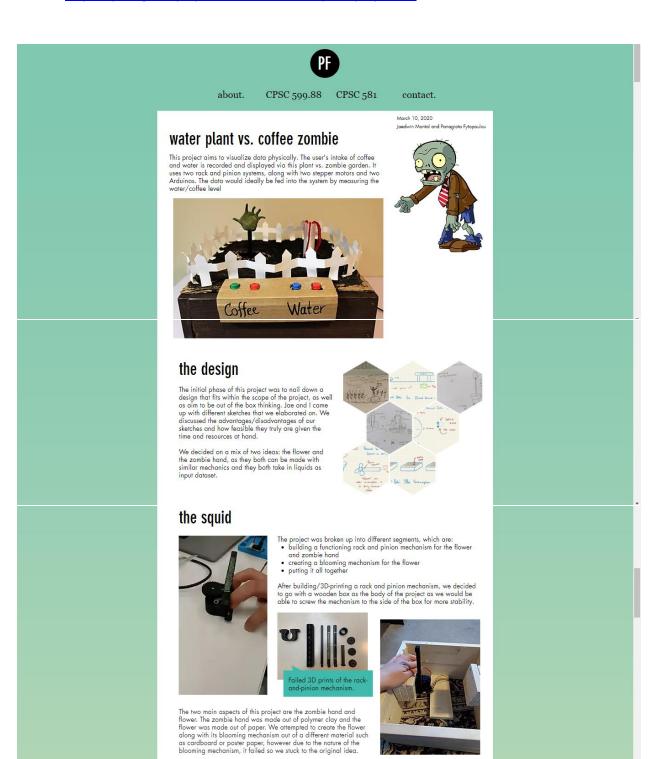
Assignment 3: Physical Output

Jaedwin Montal and Panagiota Fytopoulou

Link to portfolio site:

https://panagiotafytopoulo.wixsite.com/mysite/project-03













The original idea included a real-time data stream, however we wanted to focus on the output more than the input and decided to go with simple push-buttons as input method for this data visualization. The wooden box has 4 button-sized holes drilled in Intha were supposed to fit the buttons with their sodered wires in, making the complicated wiring invisible. This however failed and due to time restraints, we switched to mini-breadboards, hidden simply by cardboard.

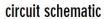


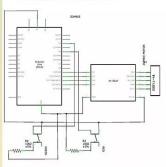


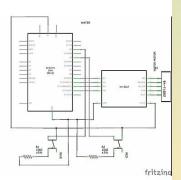


Putting it all together was easier than expected, because we had planned the project and all its details all parts fit like a glove.









the final product



- $https://www.pinclipart.com/pindetail/bhhxiT_ghoul-clipart-zombie-plants-vs-zombies-2-rally/ \\$
- https://www.youtube.com/watch?v=avrdDZD7qEQ
- $\ https://www.seedstudio.com/blog/2019/03/04/driving-a-28byj-48-stepper-motor-with-a-uln2003-driver-board-and-arduino/$
- $\ https://www.instructables.com/id/Ever-Blooming-Mechanical-Tulip/$