## Tuesday November 12th

- Refreshed on Git Bash commands for Unix and for Programming Patterns by referring to w3schools
- Researched hosting websites on Rasberry PI

## Wednesday November 14th

- Referred to ChatGPT to review how we would implement our concept, I already had the idea of running it with python scripts (which Thao also suggested), however I had limited experience on the matter, so I used ChatGPT as a tool to better understand our options by using this prompt
  { Hey we want to host a small website on a rasberry pi, the point is we want to connect an O2 and temperature sensor (sensor type may change), and host a local website that displays the statistics from the sensor, what may be the parts needed, and what is the simplest implementation of this concept}.
- Researched Adafruit_DHT python library to parse sensor-specific data (suggested by ChatGPT), I referred to their GitHub Repository; this idea also supported multiple sensors which **we thought** would be necessary

## Saturday November 17th

- Checked the stock of our chosen store (ABRA Electronics) , and referred to some advice from specialists; we found that we needed a few things, but only needed a single sensor rather than multiple, the SENS-SCD41 Gas Sensor Module was the right choice for 50$, it has a CO2 Temperature/Humidity sensor, and a gas sensor, which is sufficient for our needs.
- Researched what we needed to use the sensor with the PI and found that a breadboard was necessary, as well as a soldering iron to attach the sensor.