Hello Frank

Due to a number of issues, this is all that I’ve been able to complete for Assignment 2.

Earlier in the semester, I got a new job, and relocated from Offaly to Cork. Taking on a much more demanding role, coupled with the disruption of relocating etc. set me behind by a few weeks. As of week 10, I was still only on week 3 in terms of lectures for CS&N, and therefore had to do a lot of intense work to get up to speed with the content of the course. Over the course of time between week 10 and the exam, I immersed myself in the content, to develop a very good understanding of what initially looked very abstract to me, and thus achieved a (predicted) result of ~86% (I should have got even higher, as I accidentally selected the incorrect option for 2 of the 5 questions that I have predicted to have gotten wrong), which meant that I was very much set up for success for the IoT Assignment (Assignment 2).

However, the Smart Plugs that I had ordered off Amazon (I was obliged to buy online at the time due to restrictions), took 6 weeks to arrive, and then on the week before Christmas (the week of the exam), I was told by Amazon that they had gone missing, so I had to buy a smart plug last minute in Woodies. This Smart Plug (BG) proved to be very difficult to work with, and it did not seem to have a public API that I could work with, so I had to communicate with it via IFTTT. As I was then at home in Clare for the Christmas, and the WiFi in my apt. in Cork is currently gone (due to upgrades taking place there by my landlord), I was obliged to work with an extremely slow WiFi for the assignment over the holidays. I had initially hoped to work at my friend’s house in Limerick to exploit his fast internet, but restrictions prevented this. I have spent days now going absolutely nowhere as a result. It could take several hours to connect to my rpi some days, and sometimes I can go several days in a row with no access to the Smart Plug. There have even been days where the internet disappeared completely (both home ISP, and Mobile tethering), which is why I was able to complete my Mongodb assignment (no internet was really needed for this) and I was able to put so much effort into data analysis on excel (which is of no real benefit to demonstrating my knowledge of Computer Networks). The biggest problem encountered was maintaining connection with my rpi, the connection barely ever lasting more than 5 minutes before freezing completely, forcing a reboot. While the connection was maintained, the delayed response to any keypad input, made it fairly difficult to work with.

At this stage, I am throwing in the towel, as I need to get back to addressing other aspects of my life before I get back to work, and I am now exhausted from this and very wary of getting off to a very difficult, resentful start to Semester 3. I am going to hand in what I have done up to now, which is essentially a start on every aspect of what I wanted to do, but nothing really followed through with unfortunately. I will also include a short video, and a very flimsy attempt to grade my work. I think that given the rubric laid out before me, I am entitled to a mark within the Base Grade but I will outline the absolute best case scenarios whereby I could hypothetically reach the Good Grade.

Regards

Cathal