

### **System Implementation Reflection**

Following on from the UML design process for a driverless car system, this assignment required me to write the programme for a driverless car, utilising object oriented programming skills within Python. The assignment demanded that three different functions be programmed, which I decided would be the ability to adjust the speed if a speed sign was detected, the ability to adjust the speed if a hazard was detected and the ability to input, recall and save destinations with a GPS.

As with the system design assignment, prior to beginning this module I had very little knowledge of object oriented programming and all of my knowledge had been acquired during my study. I had completed simple Python tasks prior to this, but found the jump to object oriented programming to be a difficult challenge.

Upon reflection after completing the assignment, it is clear to me that I need to continue to develop my skills within object oriented programming further. I struggled with the assignment, in particular the syntax and working out exactly how to get the programme to work. I also struggled to apply adequate testing to the programme, which resulted in the submission being untested. I was able to run the programme without any errors, but struggled to obtain outputs. A positive I can take away from this is that the assignment helped me fully embed my knowledge of classes and functions, which I will aim to develop further.

If I were to complete this assignment again, I would ensure that I applied adequate testing to ensure it fully works, and would seek assistance with this if unable to do so. I would also do further reading and study, looking at similar blocks of code to see what I can identify within them that mine may be missing.

