**Final Reflection Write-Up**

I faced multiple issues throughout the project creation and submission. Since, I had been doing the exercies, most of the doubts were solved back then only. Two major difficulties that I faced during the project have been highlighted in depth below:

1. In-consistency of Dates : The date on the ID was in the form of date, month abbreviated as 3 letters and year (eg. 13 Jun 1987) but, in the manifest, it was as date, month in number and year( eg. 13 06 1987). Since, the detection format should be kept same as in the Avkash sir’s example ID in the starter pack, I kept it as per the ID. Eventually, when I started coding, I faced another trouble. The prebuilt ID Recognizer model couldn’t detect the DOB properly. After a lot of thinking and debugging, I finally understood it was the format of the DOB i.e. 13 Jun 1987 which couldn’t be recognized properly by the cognitive service. I finally changed all the dates as per 13 06 1987 format and everything worked well. During DOBValidation, I was able to directly equate both values and determine their similarity/ dissimilarity. Otherwise, I had to change types and formats which would have been a tedious job!
2. Underfitting Custom Lighter Detection Model : With the given training dataset, it was difficult to achieve the expected precision and recall. So, I had to download a lot of photos of lighter in different lighting conditions and backgrounds to get a good precision score. This was challenging as I didn’t want the model to overfit on some aspects like the background colour or colour of the lighter. Every training iteration took a lot of time so the entire process was time consuming too. Eventually, I was able to get it to work, which was a relief. Test results even though aren’t very accurate but it is pretty much close to whats expected.