**1-page documentation of approach**

Just like for the java project we did initially, I rapidly understood that an A\* search was the ideal strategy for locating a viable route connecting the two city pairs that might also include their optimality. I began by utilising a C++ reader to import the CSV file database and store them in an array. This is due to the fact that it keeps the lines in tiny buffer arrays, making it simpler to call when required. I continued on to the A\* search algorithm after that. I was unable to complete it, so I sought assistance from another github project, to which I sent an email to the user requesting permission.

Though it was quite different because in their case, it was developing an app to find the best path a user could reach a client in cities the concept was particularly useful and so with some modifications, I was able to get it running.

After that, I optimised the haversine formula and then I made all outputs write into a separate file.