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Intermediate Computer Programming

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Reflective Paper on C++ Lab

To be very honest, this project was a huge challenge for me. To begin with, I was unable to complete the project in Java and as such, I had to go back and try and complete the project before transferring my knowledge to C++. However, due to this project, I was able to learn some new concepts in both Java and CPP. In this paper, I reflect on all that I have learnt

First of all, I decided to use the Breadth First Search method since I deduced that it would be faster than using the DFS method. Also in the previous project, I made use of the Haversine formula to calculate the distance between the two cities. However, in this project, I did not make use of it. To correctly utilize and implement BFS in CPP, I consulted online resources which enable me to expand upon my knowledge of the BFS from Java and utilize it in C++. A major challenge that I encountered however was the absence of hash maps in C++ which I had utilized in the Java project. As such, I had to learn how to perform the tasks that I wanted without the use of hash maps

Another challenge that I had was the difference in syntax between Java and C++(no matter how slight). There were times when it was an annoyance but with time I was able to overcome all these challenges.

At the end of it all, I overcame all the challenges. I also found out in my research all that c++ is capable of(particularly game development) and I genuinely see a future for myself in that field with C++