Description for Order API

This document provides a quick overview of my solution on the assessment I have been assigned of as a part of the recruitment process. Firstly, I would like to thank Fadi for giving me an opportunity to do all the previous online test and one of this coding tests. It required me brainstorming and utilizing some of my problem-solving skills to get these tests done.

As for the solution, I am no professional as of now, so I have basically used my self-studied knowledge, and previous internship ideas and learning for completing the solution. I have used Express and Node.js for the solution. Before I decided to use my personal favorite C#, but I thought it would be a bad idea to make it run, using all those IIS configurations on the system. Since, I also had some experience in Node and express during my internship at MVP Studio, and it was also listed as one of the favorable, so I decided to go with it. I used Visual Studio Code for creating and running the API. I tried to make it as simple as I can with comments on respective places to help understanding anyone who try to read my code. I have created just two Js file, one with main localhost port named ‘index.js’ and the other one to the route named ’orders’ that has been asked for the solution. The order.js also features a dummy data that has been used while development. All the Node modules has been deleted due to size of the folder, so the user must install all node modules before running the code.

I tried to address some of the error handling procedure in the API. Some examples are using any other data types than number while using the id to get a respective order. Similarly, the API can only be directed to ‘/orders’ any other routes will give an error message. While using the ‘type’ and ‘date’ variable, if there are no records matches the data will show that no data are matched. Finally, I honestly do not have any experience in Unit Testing, so I do not want to flex it and I haven’t used any of it in my code.

As per my understanding and approach to the test, I have accomplished the solution using my non-commercial experience. It is an interesting and unique assessment that I have done so far. It took me nearly 3 to 4 hours in coding and may be an hour for documentation and uploading which I had to break down due to my work and internship commitment. I really do not have to assume anything as it was direct for me creating an API which produce the following JSON as shown on the paper.

I know it does looks simple to you and most of the other developer out there, but that’s what my understating and knowledge have been so far. I have done best from my side on what I can do and didn’t compromise at all and utilize all my knowledge and understanding. At this time and point I can only flex what I have done in this assessment and show you my interest and eagerness to learn, have had many times during my study where I had only one semester or 3 months to learn a language and complete a project, whether to build a website using PHP, a simple gaming using my Python and some academic project on JAVA. I was able to complete and pass those assessment on my own.

Once again, thank you again for providing me the opportunity to do all those assessment and test, I have surely had an amazing learning opportunity from all of this and will also help me in my future endeavor.

Regards,

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