Online Programmer Assignment

The assignment aims to access the coding skills as an online programmer and understand how you will write code that will scale easily and have the least race conditions. You will find more details about do's and don'ts and things to remember while doing the assignment.

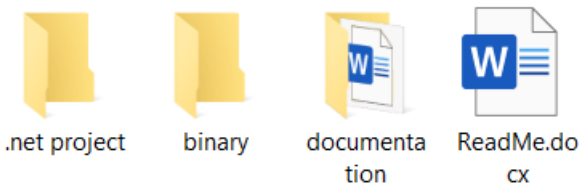
Do's

1. We expect the quality of the code to be production ready.
2. You don't have to comment on every piece of code, but the code should be readable with the current use of function, classes, and variable names.
3. You can write a comment in a place where you found multiple ways to implement the same logic, and you chose a specific way.
4. You should write a complete installation guide to avoid any confusion. This should include the version number of .net core with your packages.
5. Do basic testing and mention what is not working and what is working in the document.
6. You can use any IDE of your choice.
7. You are free to make any assumptions or ask questions if something is not clear.
8. You should use .net core and MongoDB's latest version to program this assignment.

Don'ts

1. Try to avoid any hacks or workaround.
2. Try to avoid overcomplicated solutions.
3. Try to avoid bad coding practices like mega functions and classes.

Folder Structure of the assignment



When you receive the assignment, it should look like the above picture

1. Binary Folder: You should commit the binary build.
2. Documentation: You should commit the Installation guide—technical documentation in this folder.
3. .net project: This should contain the .net project, try avoiding committing the debug and temp folders.

Documentations

1. Installation Guide: A guide to explain detailed installation instructions.
2. Technical Documentation :
    a. This should include explanations of the technical decision you chose while working on the project and why you made them.
    b. This should also include any kind of performance optimization technique you used and what did you optimize.