Open-ended development project

Hello prospective Orion team member,

We would like to give you the opportunity to demonstrate your knowledge and skills on a small project. This project will show us how you think about software development and what technologies with which you are comfortable designing and building a solution. In short, we want to give you the opportunity to impress us and to be able to get to know you on a deeper level. Please respond within 2 full days of receiving this.

Project: Build a math web service that can add, subtract, multiply, and divide two integers and separately two decimals.

Requirements:

1. Share a link to the source code hosted in an Internet based source code hosting platform. We will provide an account name for the source code hosting platform to add to the project if the source code isn't public.
2. Optional: Share a link to the web service running in a cloud platform.

What is Orion looking for:

- We want to see what YOUR development process is.
- We want to see what you think makes someone a professional software developer
- We want to see what you consider great code.
- We want to see how you incorporate design patterns and programming principles
- We want to see how you validate your software
- We want to know what tools you use.

FAQ:

- Can I use any source code host? Yes.
- Can I use any cloud platform? Yes.
- Can I use any programming language? We primarily use C# and would prefer to see your level of knowledge of C#.
- Can I use any architecture? Yes, the web service can be implemented in any architecture.
- Do I need to write a UI? No, however a testing page may be helpful for demo purposes.

What happens when I am done:

- Send our HR recruiter:
  - A link to the source code
  - A link to the web service endpoint
  - A list of development tools you used on the project
- Let the HR recruiter know if the source code and arrange a way for us to view it.
- We will review your code.
- If we move forward with the interview process, please be prepared to walk us through some of the design or code and answer question for 20-30 minutes. You would share your screen and would use your development environment for the walk through.