Thoughts and instructions are in blue.

*At Catalyst, the process begins with a coding problem that I will be giving to you in this email. It is meant to assess your competency with .NET and other technologies we use every day, plus software engineering principles and design patterns. As such, it is a key component in our interviewing and hiring process. Please use this as a chance to show off your best work. After completing it, we will review your solution and consider you for the next step in the process.*

The above references the opportunity to “show off your best work”. I tried to stay within the boundaries of the tasks as defined. As a new person come into a pre-existing team & pre-existing product line, I feel that being open to learning the processes, standards, and reasons behind the current environment really matters vs. too many preconceptions.

*Best of luck! We look forward to your solution!*

*Coding Problem:*

*Our preference is that you do your development in GitHub, so that we can clone your solution directly from there. Please ensure that cloning the repository, then running it directly (without any additional setup steps) will start the app properly. We consider this a reflection of how you work. If the application does not run, we will not be able to grade it.*

As the solution requires a database, “running it directly (without any additional setup steps)” seems odd as there are connection details associated with the DB. In the App.config files, search for the following attribute: **source=[DB Server]** and update it accordingly.

The database exists in the repository as a .bak file which can be restored in SQL Server.

Generally, one only checks in the source to the repository. Consequently, a fully compiled solution does not go into the source control repository but the request above seems to imply that everything would be there. Once the repository is cloned, the solution should open fine in Visual Studio whereby, subsequent to ensuring all packages are present, it would compile & run.

*Please get your solution completed by end of day****September 3rd, 2019****. If you need more time, just let me know.*

**The People Search Application**

**Business Requirements**

* *The application accepts search input in a text box and then displays in a pleasing style a list of people where any part of their first or last name matches what was typed in the search box (displaying at least name, address, age, interests, and a picture).*
* *Solution should either seed data, provide a way to enter new users, or both*
* *Simulate search being slow and have the UI gracefully handle the delay*

**Technical Requirements**

* *A WPF application using the MVVM pattern (minimal code-behind)*
* *Use an ORM framework to talk to the database*
* *Unit Tests for appropriate parts of the application*