## **Duration**

Candidates will have 5 days to complete and return the test. We understand many candidates work full time and will need to work on this outside their work day.

## **Test Instructions for Senior Developers**

1. Run the attached SQL script to create the database and sample data.
   1. File: Interview\_C-sharp\_Technical\_Challenge\_PreWork.sql
2. Create a web site with a single page that does the following
   1. Loads all records from the table Folks in the local SQL Server database FamousFolks.
   2. Display the First & Last names and birth place of all records on the page, sorted by last name.
   3. Add support for pagination
   4. Design this with the possibility of the bio text becoming quite large.
   5. When the user clicks on a row in the list the Bio text is displayed to the right of the list
3. Oh, and also…
   1. Add another table for field-of-expertise (e.g. Explorer vs. Politician vs. Scientist, etc.)
   2. Use a foreign key to link the tables
   3. We want the option to filter by field-of-expertise.
4. Document your design, including any relevant UML diagrams.
5. Keep in mind:
   1. We want to see your use of ASP.NET MVC 5 or higher and SQL
   2. You can use jQuery or Angular for client side code.
   3. We want to see your use of design patterns, including separation of concerns and layered design.
   4. If you have questions before you start the test, please contact your Recruiter and we will setup a phone call to clarify the instructions.

## **Results**

1. When complete, zip up the entire Visual Studio solution PLUS a SQL script for creating + initializing the database. Email it to your Recruiter.
2. If you had to download additional components, please include the files or DLLs needed to build the solution in the zip file.
3. Assuming your test is satisfactory, the client will contact you for next steps in the interview process. If you are invited onsite for an interview, be prepared to discuss your approach to the test. You may be asked how you would approach a modification to the test.