Take-away Tech Test

The Task

Develop a web application that performs the following functions:

1. Capture a person's name and a number
2. Convert this number into words
3. Render this name and number (as words) as a web page.

 This is similar in functionality to that of a cheque writing program, for example:

```
Input: John Smith
"123.45"
Output: John Smith
"ONE HUNDRED AND TWENTY-THREE DOLLARS AND FORTY-FIVE CENTS"
```

About your solution

Please structure your solution so that it includes:

1. A web service
2. A front end application to consume the web service

When implementing the API use any techniques you wish to highlight your skills in building web services.

Please provide:

1. A solution that can be executed by simply opening the solution file, and running Debug - Start Debugging (or F5) from Visual Studio.
   Provide any documentation if additional steps to install or execute are required.
2. Well documented code.
3. Well documented Unit Test(s) that provide 100% unit test coverage of all services built. You can use any unit testing framework you feel comfortable. eg. nUnit, MSTest, xUnit.
4. Details of applications, frameworks etc. required to run your solution, Technical description and explanation of design and programming techniques utilized

We are looking for a solution that is:

- A working web application using the .NET technology stack
- A site that functions as expected
- An approach that is logical and easy to understand
- Code syntax that is readable
- an example of good programming practices & principals

Please note that:

You should not copy any code from the Internet and you should return your work to us once you are satisfied with the quality of your solution within 48 hours after receiving this exercise for evaluation.

Submitting your solution

Please complete the task as requested by reading the instructions carefully and return your work within 48 hours. The average candidate spends 1-3 hours on this problem.

Example: If you receive this task on a Friday, it must be returned back before Monday.

Please upload the test to, either:

- A public GitHub or bitbucket repository (and share the repository link with DT) – Preffered
- Cloud drive account (i.e. Google Drive, Microsoft OneDrive or Dropbox and share it with DT)

Should you have any questions or concerns regarding this exercise, please do not hesitate to contact the sender via email.