# Test 1

Thanks for taking the time for the technical test! Details are below.

Email back as soon as you read this to acknowledge receipt.

Please start immediately, and send me your completed test as soon as you are done.

If you are not finished within 2 hours, please send what you have done up to that point.

Please do not upload your results to Github or any public domains.

**Test:**

Using Ruby/Java/Python, generate an N x N grid, where N can be any number, and randomly populate the grid with letters (A-Z).

Using the provided dictionary file find all:

* Horizontal words from left to right in your grid
* Horizontal words from right to left in your grid
* Vertical words from top to bottom in your grid
* Vertical words from bottom to top in your grid
* Diagonal words from left to right in your grid
* Diagonal words from right to left in your grid

If possible, provide unit tests. The purpose of the test is to write clear object-oriented code. Please use all best practices that you deem relevant. Comment your code where appropriate.