Thank you for your interest in AWE Digital Learning Solutions.

As part of our screening process we would like to ask you to attempt the following coding exercise. Please feel free to contact me with any questions you might have.

Attached is a small Pac-Man type game, it has a rather small game board, one monster (M), and one hero (P). To make it better please make the adjustments listed below to the game and send it back within one week.

- Add one or two monsters
- Increase the board size to 20 x 20
- Winning… right now all you can do is lose
- If you come across an issue, please fix it
- The original Pac-Man has tunnels that wrap around, please add one or two

If you have time, please clean the code up a bit, and if you are ambitious make the monsters smart, so they chase down our hero.

While doing this exercise please keep the following in mind. The code is purposely badly written, the game performs poorly on purpose, as you work through it please fix/refactor/change/improve anything you feel is necessary. Most important, remember, it's a game, it's supposed to be fun to both play and code.

If you don't have the time to do all, do as much as you can.

You can get a MS Visual Studio trial here: http://www.microsoft.com/en-us/download/details.aspx?id=12752
Or get C# Express here: http://www.microsoft.com/visualstudio/en-us/products/2010-editions/visual-csharp-express
Or get VB.NET here: http://www.microsoft.com/visualstudio/en-us/products/2010-editions/visual-basic-express