Phone Formatter Project

Author: Nigel Guven

**Description**

This file is an appendage to the code I wrote in the ‘Program.cs’ file

My code takes in a CSV fil, either through a command line argument or stating the file name as a variable

A try catch statement was necessary for various exception that I encountered

The algorithm itself consumes the file with a CSV reader line by line

For each user, an attached mobile number is then checked against a regular expression which finds only strings with numbers. This ignores already formatted numbers with +353 prefixed

A helper method then checks if the mobile number has either prefix ‘8X’ or ‘08X’, and formats accordingly

Following formatting for each user, they are all written to a new file in the same folder as the older version

**Assumptions**

* All phone numbers are correct to either Irish format or international format, incorrect strings would be set to empty string otherwise
* Phone numbers may be in the format 08X XXX XXXX, even though there are no examples in the test data provided, I remove any unnecessary white spaces.
* I followed guidelines regarding dependencies and the timeboxing, this was why I did not utilise complex data structures and classes for each user, as the task required only to format phone numbers.
* I presume that bringing a library to aid in parsing CSV such as CSVHelper is not allowed for this project so I only utilised C# System Classes such as StreamReader

**Requirements**

The program requires that the test files be located in a subdirectory of the class containing the code