File Input

Write a program that asks a user to input a file name and then reads the file and produces output. The file has the following format.

|  |
| --- |
| Kim 8 10 6 4 Ivan 9 2 7 8 Sue 7 8 9 10 Kevin 4 6 5 7 |

The output should be each name followed by the average score. For example:

Kim: 7.00  
Ivan: 6.00  
Sue: 8.50  
Kevin: 5.55

The code must follow these guidelines:

* **Good style:** Use proper indentation and good naming conventions.
* **Usability:** Always prompt the user for input so they know what to do and provide meaningful output messages.
* **Input Validation:** The program should not accept invalid input, prompt the user to reenter an input that is invalid.
* **Documentation:** Add a comments that document what each part of your code does. Testing: Don't submit your solution until you have tested it. The code must compile, execute and produce the correct output for any input.

Submit only the .cpp file containing the code.