

File I/O and Exception Handling - Task 5

Program to develop an application that reads from and writes to files :

```
using System;
using System.IO;

class Program
{
    static void Main()
    {
        string inputPath = "input.txt";
        string outputPath = "output.txt";

        try
        {
            int lineCount = File.ReadAllLines(inputPath).Length;
            string content = File.ReadAllText(inputPath);

            string[] words = content.Split(new[] { ' ', '\n', '\r', '\t' },
StringSplitOptions.RemoveEmptyEntries);
            int wordCount = words.Length;

            File.WriteAllText(outputPath, $"Line Count: {lineCount}");
            File.AppendAllText(outputPath, $"Word Count: {wordCount}");

            Console.WriteLine("Done! Check output.txt");
        }
        catch (FileNotFoundException)
        {
            Console.WriteLine("File not found.");
        }
        catch (IOException ex)
        {
            Console.WriteLine($"IO Error: {ex.Message}");
        }
    }
}
```

Output :

Terminal output:

```
ger \x86_64\vsdbg.exe --interpreter=vscode
Done! Check output.txt
PS C:\k\Presidio\C#\Task5\files>
```

input.txt:

```
Program.cs  output.txt  input.txt  files.csproj
files > bin > Debug > net9.0 > input.txt
1 Hello world.
2 This is a test file.
3 It has three lines.
```

output.txt:

```
Program.cs  output.txt  input.txt  files.csproj
files > bin > Debug > net9.0 > output.txt
1 Line Count: 3
2 Word Count: 11
```