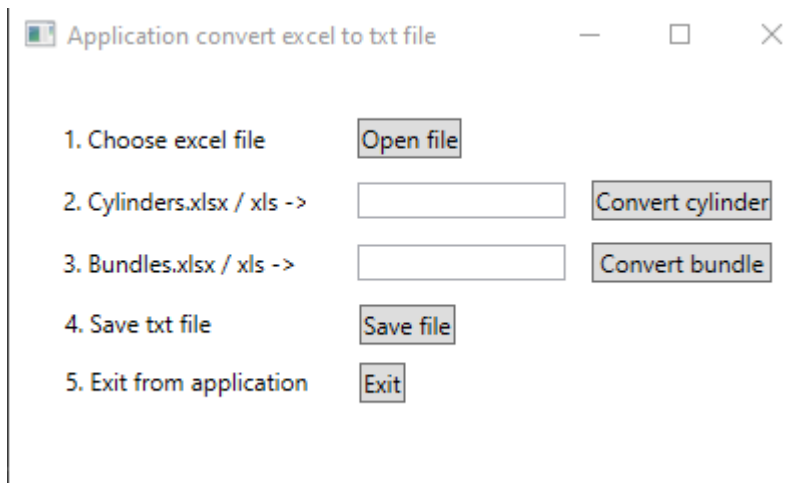ExcelToTxt desktop application:
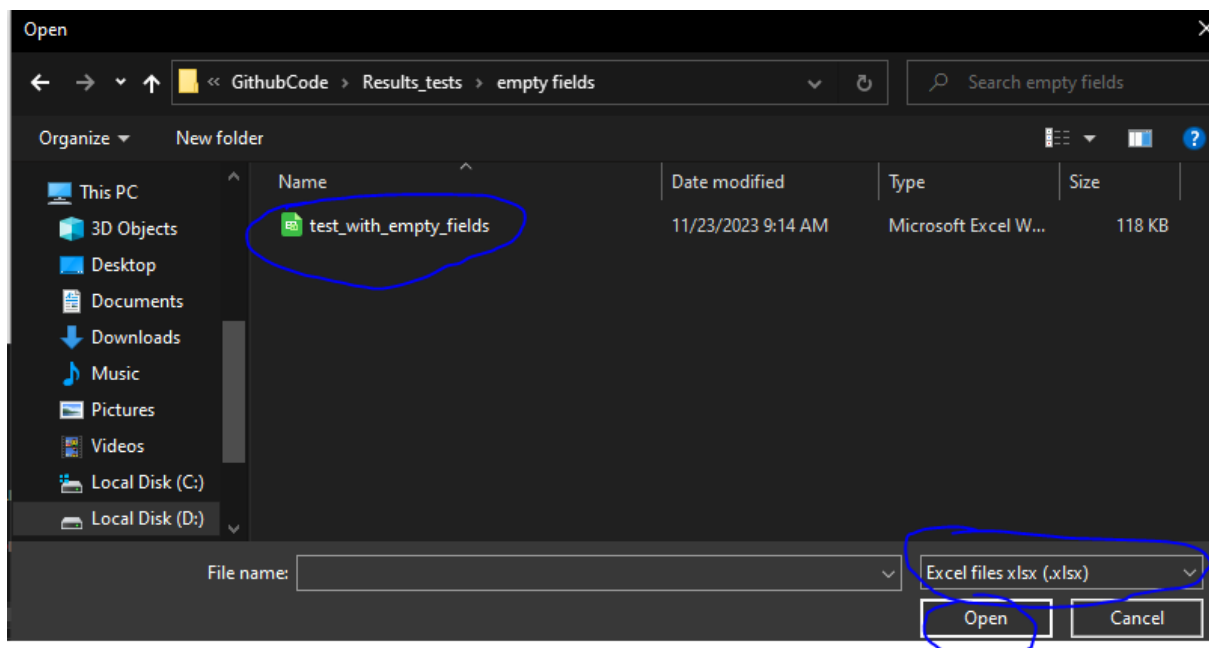
C#, WPF, NET 5.0 technologies were used.

A program that converts an Excel file into a text file.
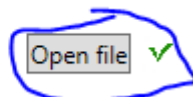
Application description:

1. Start window

2. First, select the "Open file" button and select the appropriate file in the Test_File_And_Correct_Files_Txt/empty fields/test_with_empty_fields.xlsx, Cylinders.txt, Bundles.txt directory. Possibility to choose xlsx or xls file format. Then select the "Open" button. A green sign will appear next to the "Open file" button if ok.

3. The excel file has 2 tabs

25	3160856	AR	--	V	PL	DALMINE	
26	3160856	AR	--	V	PL		1
27	3160856	AR	--	V	PL	DALMINE	1
28	3160856		-	V	PL	DALMINE	1
29	3160856	AR	--	V	PL	DALMINE	1
30	3160856	AR	--	V	PL		1
31	3160856	AR	--	V	PL	DALMINE	1
32	3160856	AR	--	V	PL	DALMINE	1
33	3160856	AR	--	V	PL	DALMINE	1
34	3160857	AR	--	V	PL	DALMINE	1
35	3160857	AR	--	V	PL	DALMINE	1
36	3160857	AR	--	V	PL		1
37	3160857	AR	--	V	PL	DALMINE	1

4. In the New cylinders tab, there is no value for GasType → 1 and Manufacturer → 3.

Manufacturer	Status	S_Owner	Numer of cylinders	
JB	V	PL	16	1
JB	V	PL	16	1
JB	V	PL	16	1
JB	V	PL	16	1
	V	PL	16	1
JB	V	PL	16	1
JB	V	PL	16	1
JB	V	PL	16	1
JB	V	PL	16	1
	V	PL	16	1
JB	V	PL	16	1
JB	V	PL		1
JB	V	PL	16	1
	V	PL	16	1
JB	V	PL	16	1

5. In the New bundles tab, there are no values for Manufacturer → 3, Cylinder → 1

1. Choose excel file   Open file ✓

2. Cylinders.xlsx / xls ->   cyli   Convert cylinder

6. Then choose:
   - "Convert cylinder" button
   - First, enter a name of at least 4 characters: cyli - cylinder, and select the "Convert cylinder" button.

1. Choose excel file   Open file ✓

2. Cylinders.xlsx / xls ->   cyl   Convert cylinder

✕

Wrong name cylinder (enter at least 4 chars: cyli - cylinder) or invalid excel file or you clicked button 'X', please again !!!

OK

7. If you provide a wrong value, an error message will appear or if there is no tab with this name in the Excel file.

WindowCodeCountry   —   □   ✕

Code Count   Code: 5, Country: ⌄   Submit

8. If it does not have a CodeCountry(Company) column, a window for selecting the country code of a given country appears. If you select the "Submit" button.

2. Cylinders.xlsx / xls ->   Convert cylinder ✓
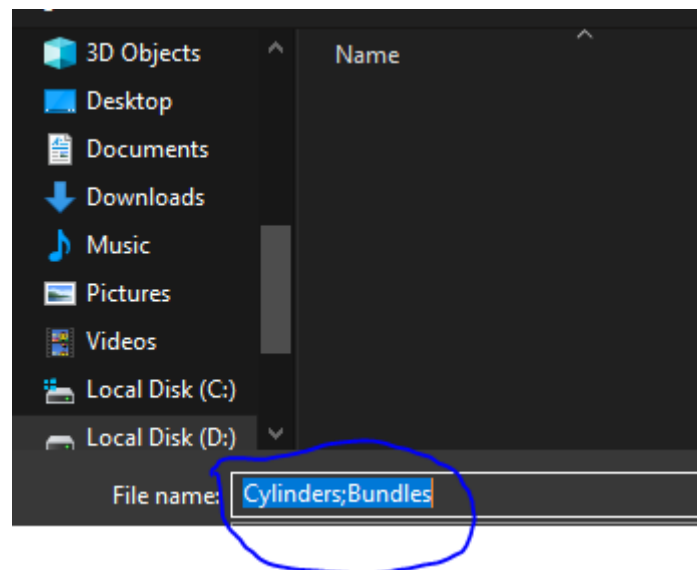
9. Pojawia się zielona ikona , że wszystko ok.

1. Choose excel file   Open file ✓

2. Cylinders.xlsx / xls ->   Convert cylinder ✓
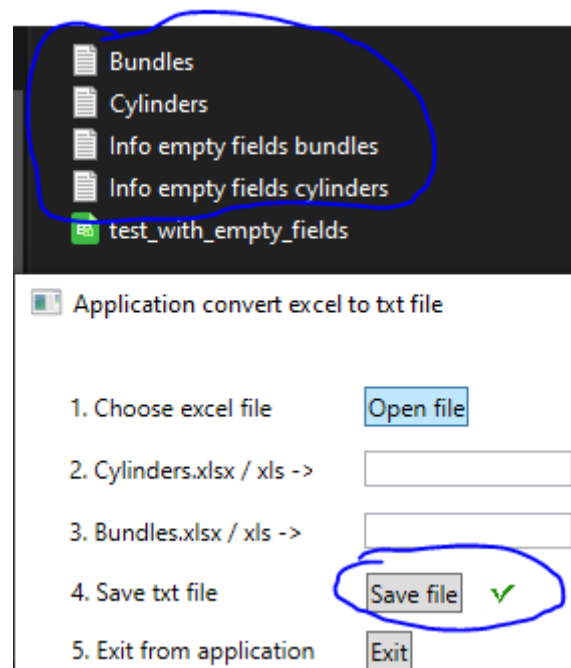
3. Bundles.xlsx / xls ->   Convert bundle ✓

4. Save txt file   Save file

10. Then we convert the second Bundles file in the same way as the Cylinders file. Now there are 2 files ready to be written to file.txt.

11. Save txt file button, then by default two names will appear in File name: Cylinders;Bundles,

if we want such two names, press the save button. If we want other names, we can e.g. FirstName;SecondName → there must be a ';' separator. If we leave : Cylinders alone, the second name will be the default Bundles.

12. The application created up to 4 txt files from the Excel file. When everything went ok, it's a green sign.

```
5;3160855;AR;V;PL;DAL;12887278;01.03.2021;2021.03.01;300;450;ST;50.0;69.3;69.3;3;W80;ALPL
5;3160855;AR;V;PL;DAL;12887442;01.03.2021;2021.03.01;300;450;ST;50.0;67.6;67.6;3;W80;ALPL
5;3160855;AR;V;PL;DAL;12888077;01.03.2021;2021.03.01;300;450;ST;50.0;68.1;68.1;3;W80;ALPL
5;3160855;AR;V;PL;DAL;12888072;01.03.2021;2021.03.01;300;450;ST;50.0;65.7;65.7;3;W80;ALPL
5;3160855;AR;V;PL;DAL;12888071;01.03.2021;2021.03.01;300;450;ST;50.0;68.5;68.5;3;W80;ALPL
```
13. Cylinder.txt , pierwsza wartość → 5, to jest nazwa CodeCountry(Company): POLAND.

```
5;21/T056;3160855;AR;JB;V;PL;16;12887278;01.03.2021;2021.03.01;4;300;450;800.0;1700.0;ALPL
5;21/T057;3160856;AR;JB;V;PL;16;12894088;01.03.2021;2021.03.01;4;300;450;800.0;1700.0;ALPL
5;21/T058;3160857;AR;JB;V;PL;16;12894094;01.03.2021;2021.03.01;4;300;450;800.0;1700.0;ALPL
5;21/T059;3160858;AR;JB;V;PL;16;12893862;01.03.2021;2021.03.01;4;300;450;800.0;1700.0;ALPL
```
14. Bundles.txt, first value → 5, this is the name CodeCountry(Company): POLAND.

```
NumerOfCylinders -> 1 no values
Manufacturer -> 3 no values
```
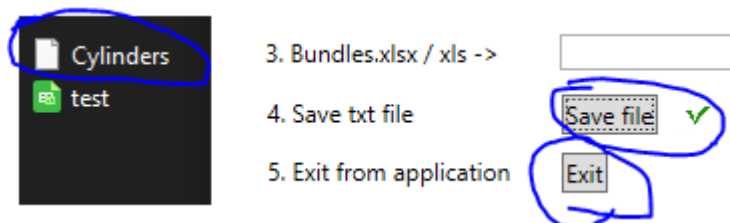15. Info file empty fields

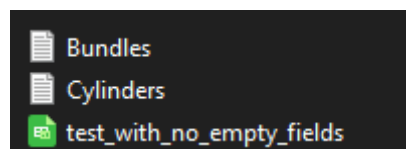bundles.txt → shows what values are missing in the file

```
GasType -> 1 no values
Manufacturer -> 3 no values
```
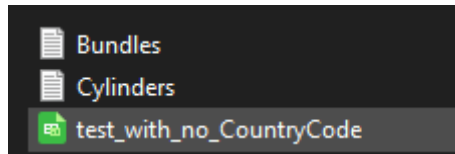
16. Info file empty fields cylinders.txt → shows what values are missing in the file

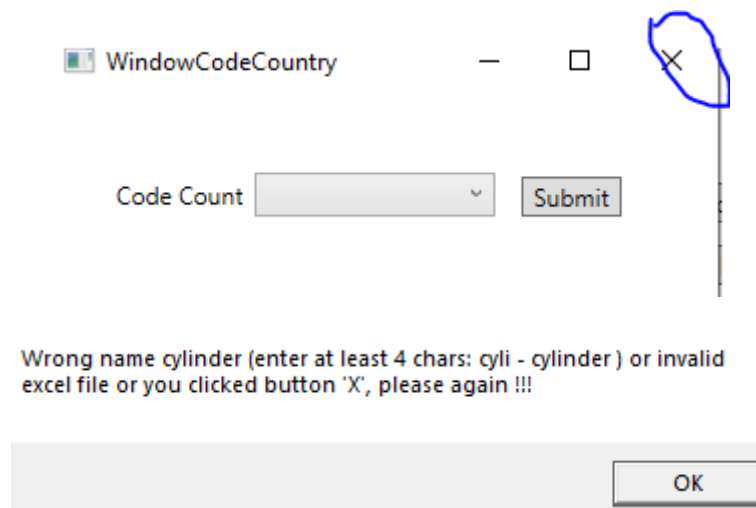17. Selecting the "Exit" button exits the application.

18. If there is no missing value in the excel file, the program will create 2 txt files: Bundles.txt and Cylinders.txt. The sample files are located in the Test_File_And_Correct_Files_Txt/no empty fields directory.
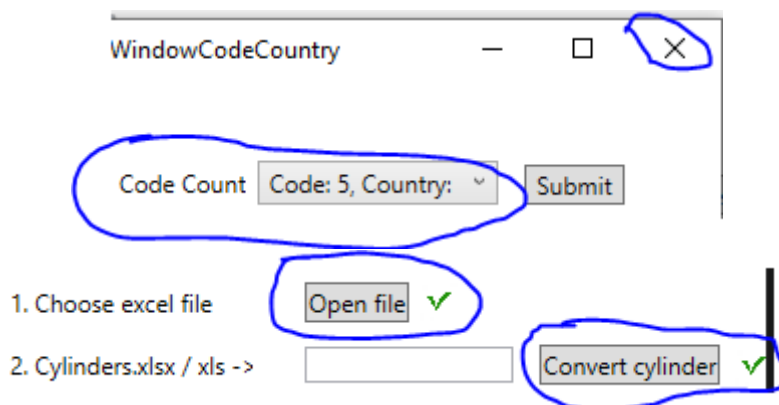
19. If the CodeCountry(Company) column has a value in the Excel file, the application will not ask for the CodeCountry number. The sample files are located in the Test_File_And_Correct_Files_Txt/noCountryCode directory.

If you want, you can create:

1. 2 files : Cylinder i Bundle

2. 1 file: Cylinder

3. 1 file: Bundle

20. When selecting the 'X' button and not selecting Code Count, an error message will appear and the selected Excel file will not be converted.

21. When selecting the 'X' button and selecting Code Count, the selected Excel file will be converted.

22. To be able to obtain a given txt file correctly:

- select a given excel file

- convert at least one Cylinder/Bundle file

- save file