

CSV TO SIMPLE TEXT FORMAT

PRESENTATION

Application to transform CSV text into simple text format, through CLI or a browser. Through CLI, the application behavior was tested using NodeJS v16.15.0 API only.

CONTEXT

At the beginning, the application was created to allow simple conversion processes, from CSV into XML. But, after some tests, I conclude it can be used not only for conversions from CSV into XML, but from CSV to all desired simple text format (plain text) which is a set of repeatable categorized data.

THE PHILOSOPHY

Convert the repeatable CSV data, into a desired repeatable simple text format, like XML.

USING

Can be used through CLI and browser. Using through a browser is the easiest way. Using through the CLI requires NodeJS, and the required inputs are passed to the application through files. The required input data are:

1. CSV data (required - CLI and browser);
2. Desired repeatable template (required - CLI and browser);
3. Header text, which is a non-repeatable text that occurs before the repeatable ones (required - CLI);
4. Footer text, which is a non-repeatable text that occurs after the repeatable ones (required - CLI).

The webpage can be access through the following link:

<https://tpbm.github.io/CSV-to-Simple-Text-Format/>

HOW TO USE

Through Browser

Example 1

1

Header

<?xml version="1.0" encoding="UTF-8"?>
<AddPerson>

2

Repeatable

<Person name="{0}"></Person>

3

Footer

</AddPerson>

CSV Data

Antonio Miguel
Pedro Joao
Marcelo de Sousa
Carvalho Santos
Pedro Sousa

Convert

Output

<?xml version="1.0" encoding="UTF-8"?>
<AddPerson>
 <Person name="Antonio Miguel"></Person>
 <Person name="Pedro Joao"></Person>
 <Person name="Marcelo de Sousa"></Person>
 <Person name="Carvalho Santos"></Person>
 <Person name="Pedro Sousa"></Person>
</AddPerson>

4

1. Non repeatable text that occurs before the repeatable ones;
2. Desired repeatable template. Each place that must take a value from CSV, must be marked as {0}, {1}, {n} according to the number of columns on CSV data. In this example, only one column is being considered;
3. CSV data;
4. The output.

Example 2

1

Header

```
<?xml version="1.0" encoding="UTF-8"?>
<AddPerson>
```

2

Repeatable

```
<Person name="{0}">
  <Id type="{1}" value="{2}">
</Person>
```

3

Footer

```
</AddPerson>
```

4

CSV Data

```
Antonio Miguel,A,A00001
Pedro Joao,B,B0002
Marcelo de Sousa,C,C0001
Carvalho Santos,D,D0002
Pedro Sousa,E,E0001
```

Convert

Output

```
<?xml version="1.0" encoding="UTF-8"?>
<AddPerson>
  <Person name="Antonio Miguel">
    <Id type="A" value="A00001">
  </Person>
  <Person name="Pedro Joao">
    <Id type="B" value="B0002">
  </Person>
  <Person name="Marcelo de Sousa">
    <Id type="C" value="C0001">
  </Person>
  <Person name="Carvalho Santos">
    <Id type="D" value="D0002">
  </Person>
  <Person name="Pedro Sousa">
    <Id type="E" value="E0001">
  </Person>
</AddPerson>
```

1. Non repeatable text that occurs before the repeatable ones;
2. Desired repeatable template. Each place that must take a value from CSV, must be marked as {0}, {1}, {n} according to the number of columns on CSV data. In this example, two columns are being considered;
3. CSV data;
4. The output.

Through CLI

```
C:\Users\telmo.marinho\Desktop\NodeJS\CSV to Simple Text Format>..node-v16.15.0-win-x64\node.exe index_en.js

Welcome to 'CSV to Simple Text File' convertor :-D
For each file, always indicate the extension.
The location of the files is relative to the execution location.

Indicate the CSV file: input.txt
Indicate the final file: output.xml
Indicate the file with the header: header.txt
Indicate the file with the footer: footer.txt
Indicate the file with the template: repeatable.txt
File with the output created!
```

```
<?xml version="1.0" encoding="UTF-8"?>
- <AddPerson>
  <Person name="Antonio Miguel"/>
  <Person name="Pedro Joao"/>
  <Person name="Marcelo de Sousa"/>
  <Person name="Carvalho Santos"/>
  <Person name="Pedro Sousa"/>
</AddPerson>
```