

Reading and Writing CSV Data



Jason Roberts

.NET Developer

@robertsjason | dontcodetired.com

Module Overview

An overview of the CsvHelper library

Reading CSV data dynamically

Trimming spaces

Allowing CSV comments

Ignoring blank lines

Configuring a custom delimiter

Configuring CSV file headers

Reading data into entity classes

Configuring custom class mapping

Creating custom type converters

Writing CSV files



An Overview of the CsvHelper Library

<https://github.com/JoshClose/CsvHelper>

<https://www.nuget.org/packages/CsvHelper>

80 million downloads

Read & write CSV data

Design goals:

- Fast
- Flexible
- Easy to use

Defaults:

- Conservative writing
- Liberal reading

Highly configurable



Module Summary

An overview of the CsvHelper library

`csvReader.GetRecords<dynamic>();`

CsvReader configuration:

- `CsvConfiguration.TrimOptions`
- `CsvConfiguration.AllowComments`
- `CsvConfiguration.IgnoreBlankLines`
- `CsvConfiguration.Delimiter`
- `CsvConfiguration.HasHeaderRecord`

`csvReader.GetRecords<Order>()`

`ClassMap<ProcessedOrder>`

`ITypeConverter`

`csvWriter.WriteRecords(records)`



Up Next:

Creating Automated Tests for File Access Code

