

Namespace CodaParser

Classes

[Helpers](#)

Class with helper methods.

[LinesParser](#)

Parse raw strings to a structured line.

[Parser](#)

Parse raw lines to statements.

Interfaces

[IParser<T>](#)

Interface for parsing list of string or a file to a specific type.

Class Helpers

Namespace: [CodaParser](#)

Assembly: CodaParser.dll

Class with helper methods.

```
public static class Helpers
```

Inheritance

[object](#) ← Helpers

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

FilterLinesOfTypes(IEnumerable<ILine>, IEnumerable<LineType>)

Get a list of all the lines that are of the requested [LineType](#) type.

```
public static IEnumerable<ILine> FilterLinesOfTypes(IEnumerable<ILine> lines,  
IEnumerable<LineType> types)
```

Parameters

lines [IEnumerable](#)<ILine>

The lines to filter.

types [IEnumerable](#)<LineType>

The types to filter out.

Returns

[IEnumerable](#)<ILine>

The filtered list of [ILine](#).

FormatDateString(string)

Convert a coda date to an iso format.

```
public static string FormatDateString(string dateCoda)
```

Parameters

dateCoda [string](#)

The date in format `ddMMyy`.

Returns

[string](#)

The date in the format `yyyy-MM-dd`.

GetFirstLineOfType<T>(IEnumerable<ILine>)

Gets the first line that matches the requested type.

```
public static T? GetFirstLineOfType<T>(IEnumerable<ILine> lines) where T : ILine
```

Parameters

lines [IEnumerable](#)<[ILine](#)>

The lines to filter.

Returns

T

The first line that matches the `T` or `null`

Type Parameters

T

The type to filter for.

GetTrimmedData(string, int)

Get a part of the input string starting from the requested position till the end and trim the spaces before returning the result.

```
public static string GetTrimmedData(string data, int startPosition)
```

Parameters

data [string](#)

The value to get the substring from.

startPosition [int](#)

The starting position for getting the substring.

Returns

[string](#)

The trimmed data from the input.

GetTrimmedData(string, int, int)

Get a part of the input string and trim the spaces before returning the result.

```
public static string GetTrimmedData(string data, int startPosition, int length)
```

Parameters

data [string](#)

The value to get the substring from.

startPosition [int](#)

The starting position for getting the substring.

length [int](#)

The number of characters to get from the data.

Returns

[string](#)

The trimmed requested part of the input.

TrimSpace(string)

Remove duplicate spaces from the start en end of the input string, leaving only an optional single space.

```
public static string TrimSpace(string value)
```

Parameters

value [string](#)

The data to process.

Returns

[string](#)

The value without duplicate spaces in the beginning and end.

ValidateStringDigitOnly(string, string)

Validate that the input string only contains digits, throwing an exception if it doesn't.

```
public static void ValidateStringDigitOnly(string value, string typeName)
```

Parameters

value [string](#)

The value to check.

typeName [string](#)

The type that needs this check, used in the exception.

ValidateStringLength(string, int, string)

Validate that the input string is exactly the requested length, throwing an exception if it doesn't.

```
public static void ValidateStringLength(string value, int expectedLength,  
string typeName)
```

Parameters

value [string](#)

The value to check.

expectedLength [int](#)

The expected length of the value.

typeName [string](#)

The type that needs this check, used in the exception.

ValidateStringMultipleLengths(string, IEnumerable<int>, string)

Validate that the input string is exactly one of the requested lengths, throwing an exception if it doesn't.

```
public static void ValidateStringMultipleLengths(string value, IEnumerable<int>  
expectedLengthArray, string typeName)
```

Parameters

value [string](#)

The value to check.

expectedLengthArray [IEnumerable<int>](#)

A list of excepted lengths of the value.

typeName [string](#)

The type that needs this check, used in the exception.

Interface IParser<T>

Namespace: [CodaParser](#)

Assembly: CodaParser.dll

Interface for parsing list of string or a file to a specific type.

```
public interface IParser<out T>
```

Type Parameters

T

The result type of the parsing.

Methods

Parse(IEnumerable<string>)

Parse a list of strings to their matching type.

```
IEnumerable<out T> Parse(IEnumerable<string> codaLines)
```

Parameters

codaLines [IEnumerable<string>](#)

The strings to parse.

Returns

[IEnumerable<T>](#)

The parsed result.

ParseFile(string)

Read the content of the requested file and parse the content to the matching type.

```
IEnumerable<out T> ParseFile(string codaFile)
```

Parameters

codaFile [string](#)

Location of the file to parse.

Returns

[IEnumerable](#)<T>

The parsed result.

Class LinesParser

Namespace: [CodaParser](#)

Assembly: CodaParser.dll

Parse raw strings to a structured line.

```
public class LinesParser : IParser<ILine>
```

Inheritance

[object](#) ← LinesParser

Implements

[IParser<ILine>](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

LinesParser()

Initializes a new instance of the [LinesParser](#) class.

```
public LinesParser()
```

Methods

Parse(IEnumerable<string>)

Parse a list of strings to their matching type.

```
public IEnumerable<ILine> Parse(IEnumerable<string> codaLines)
```

Parameters

codaLines [IEnumerable<string>](#)

The strings to parse.

Returns

[IEnumerable<ILine>](#)

The parsed result.

ParseFile(string)

Read the content of the requested file and parse the content to the matching type.

```
public IEnumerable<ILine> ParseFile(string codaFile)
```

Parameters

codaFile [string](#)

Location of the file to parse.

Returns

[IEnumerable<ILine>](#)

The parsed result.

Class Parser

Namespace: [CodaParser](#)

Assembly: CodaParser.dll

Parse raw lines to statements.

```
public class Parser : IParser<Statement>
```

Inheritance

[object](#) ← Parser

Implements

[IParser<Statement>](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

Parser()

Initializes a new instance of the [Parser](#) class.

```
public Parser()
```

Methods

GroupTransactionsPerStatement(IEnumerable<ILine>)

Group lines of the same transaction together.

```
public IEnumerable<IEnumerable<ILine>>  
GroupTransactionsPerStatement(IEnumerable<ILine> lines)
```

Parameters

`lines` [IEnumerable<ILine>](#)

The lines to group.

Returns

[IEnumerable<IEnumerable<ILine>>](#)

A list of multiple lines that belong together.

Parse(IEnumerable<string>)

Parse a list of strings to their matching type.

```
public IEnumerable<Statement> Parse(IEnumerable<string> codaLines)
```

Parameters

`codaLines` [IEnumerable<string>](#)

The strings to parse.

Returns

[IEnumerable<Statement>](#)

The parsed result.

ParseFile(string)

Read the content of the requested file and parse the content to the matching type.

```
public IEnumerable<Statement> ParseFile(string codaFile)
```

Parameters

`codaFile` [string](#)

Location of the file to parse.

Returns

[IEnumerable](#)<[Statement](#)>

The parsed result.

Namespace CodaParser.Exceptions

Classes

[InvalidValueException](#)

Exception indicating that there was an invalid value.

Class InvalidValueException

Namespace: [CodaParser.Exceptions](#)

Assembly: CodaParser.dll

Exception indicating that there was an invalid value.

```
public class InvalidValueException : Exception, ISerializable
```

Inheritance

[object](#) ← [Exception](#) ← InvalidValueException

Implements

[ISerializable](#)

Inherited Members

[Exception.GetBaseException\(\)](#) , [Exception.GetObjectData\(SerializationInfo, StreamingContext\)](#) ,
[Exception.GetType\(\)](#) , [Exception.ToString\(\)](#) , [Exception.Data](#) , [Exception.HelpLink](#) ,
[Exception.HResult](#) , [Exception.InnerException](#) , [Exception.Message](#) , [Exception.Source](#) ,
[Exception.StackTrace](#) , [Exception.TargetSite](#) , [Exception.SerializeObjectState](#) ,
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#)

Constructors

InvalidValueException(string, object, string)

Initializes a new instance of the [InvalidValueException](#) class.

```
public InvalidValueException(string type, object value, string errorMessage)
```

Parameters

type [string](#)

The class that throws the exception.

value [object](#)

The value that is invalid.

errorMessage [string](#) ↗

The message explaining why the value is invalid.

Namespace CodaParser.LineParsers

Classes

[EndSummaryLineParser](#)

The parser for the trailing record of a transaction.

[IdentificationLineParser](#)

The parser for the header record of the transaction.

[InformationPart1LineParser](#)

The parser for the first information line part.

[InformationPart2LineParser](#)

The parser for the second type information line part.

[InformationPart3LineParser](#)

The parser for the third type information line part.

[InitialStateLineParser](#)

The parser for the first initial state of the balance.

[MessageLineParser](#)

The parser for the free communication lines.

[NewStateLineParser](#)

The parser for the final state of the balance.

[TransactionPart1LineParser](#)

The parser for the transaction movement information line part.

[TransactionPart2LineParser](#)

The parser for the second transaction movement information line part.

[TransactionPart3LineParser](#)

The parser for the third transaction movement information line part.

Interfaces

[ILineParser](#)

Interface for line parsers.

Class EndSummaryLineParser

Namespace: [CodaParser.LineParsers](#)

Assembly: CodaParser.dll

The parser for the trailing record of a transaction.

```
public class EndSummaryLineParser : ILineParser
```

Inheritance

[object](#) ← EndSummaryLineParser

Implements

[ILineParser](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

CanAcceptString(string)

Check if the parser take into account this type of line.

```
public bool CanAcceptString(string codaLine)
```

Parameters

codaLine [string](#)

The line to check if parsable.

Returns

[bool](#)

True if this parser can parse this line.

Parse(string)

Parse the given string into a more readable object.

```
public ILine Parse(string codaLine)
```

Parameters

codaLine [string](#)

The line to parse.

Returns

[ILine](#)

The parsed content of the line.

Interface ILineParser

Namespace: [CodaParser.LineParsers](#)

Assembly: CodaParser.dll

Interface for line parsers.

```
public interface ILineParser
```

Methods

CanAcceptString(string)

Check if the parser take into account this type of line.

```
bool CanAcceptString(string codaLine)
```

Parameters

codaLine [string](#)

The line to check if parsable.

Returns

[bool](#)

True if this parser can parse this line.

Parse(string)

Parse the given string into a more readable object.

```
ILine Parse(string codaLine)
```

Parameters

`codaLine string` ↴

The line to parse.

Returns

[ILine](#)

The parsed content of the line.

Class IdentificationLineParser

Namespace: [CodaParser.LineParsers](#)

Assembly: CodaParser.dll

The parser for the header record of the transaction.

```
public class IdentificationLineParser : ILineParser
```

Inheritance

[object](#) ← IdentificationLineParser

Implements

[ILineParser](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

CanAcceptString(string)

Check if the parser take into account this type of line.

```
public bool CanAcceptString(string codaLine)
```

Parameters

codaLine [string](#)

The line to check if parsable.

Returns

[bool](#)

True if this parser can parse this line.

Parse(string)

Parse the given string into a more readable object.

```
public ILine Parse(string codaLine)
```

Parameters

codaLine [string](#)

The line to parse.

Returns

[ILine](#)

The parsed content of the line.

Class InformationPart1LineParser

Namespace: [CodaParser.LineParsers](#)

Assembly: CodaParser.dll

The parser for the first information line part.

```
public class InformationPart1LineParser : ILineParser
```

Inheritance

[object](#) ← InformationPart1LineParser

Implements

[ILineParser](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

CanAcceptString(string)

Check if the parser take into account this type of line.

```
public bool CanAcceptString(string codaLine)
```

Parameters

codaLine [string](#)

The line to check if parsable.

Returns

[bool](#)

True if this parser can parse this line.

Parse(string)

Parse the given string into a more readable object.

```
public ILine Parse(string codaLine)
```

Parameters

codaLine [string](#)

The line to parse.

Returns

[ILine](#)

The parsed content of the line.

Class InformationPart2LineParser

Namespace: [CodaParser.LineParsers](#)

Assembly: CodaParser.dll

The parser for the second type information line part.

```
public class InformationPart2LineParser : ILineParser
```

Inheritance

[object](#) ← InformationPart2LineParser

Implements

[ILineParser](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

CanAcceptString(string)

Check if the parser take into account this type of line.

```
public bool CanAcceptString(string codaLine)
```

Parameters

codaLine [string](#)

The line to check if parsable.

Returns

[bool](#)

True if this parser can parse this line.

Parse(string)

Parse the given string into a more readable object.

```
public ILine Parse(string codaLine)
```

Parameters

codaLine [string](#)

The line to parse.

Returns

[ILine](#)

The parsed content of the line.

Class InformationPart3LineParser

Namespace: [CodaParser.LineParsers](#)

Assembly: CodaParser.dll

The parser for the third type information line part.

```
public class InformationPart3LineParser : ILineParser
```

Inheritance

[object](#) ← InformationPart3LineParser

Implements

[ILineParser](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

CanAcceptString(string)

Check if the parser take into account this type of line.

```
public bool CanAcceptString(string codaLine)
```

Parameters

codaLine [string](#)

The line to check if parsable.

Returns

[bool](#)

True if this parser can parse this line.

Parse(string)

Parse the given string into a more readable object.

```
public ILine Parse(string codaLine)
```

Parameters

codaLine [string](#)

The line to parse.

Returns

[ILine](#)

The parsed content of the line.

Class InitialStateLineParser

Namespace: [CodaParser.LineParsers](#)

Assembly: CodaParser.dll

The parser for the first initial state of the balance.

```
public class InitialStateLineParser : ILineParser
```

Inheritance

[object](#) ← InitialStateLineParser

Implements

[ILineParser](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

CanAcceptString(string)

Check if the parser take into account this type of line.

```
public bool CanAcceptString(string codaLine)
```

Parameters

codaLine [string](#)

The line to check if parsable.

Returns

[bool](#)

True if this parser can parse this line.

Parse(string)

Parse the given string into a more readable object.

```
public ILine Parse(string codaLine)
```

Parameters

codaLine [string](#)

The line to parse.

Returns

[ILine](#)

The parsed content of the line.

Class MessageLineParser

Namespace: [CodaParser.LineParsers](#)

Assembly: CodaParser.dll

The parser for the free communication lines.

```
public class MessageLineParser : ILineParser
```

Inheritance

[object](#) ← MessageLineParser

Implements

[ILineParser](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

CanAcceptString(string)

Check if the parser take into account this type of line.

```
public bool CanAcceptString(string codaLine)
```

Parameters

codaLine [string](#)

The line to check if parsable.

Returns

[bool](#)

True if this parser can parse this line.

Parse(string)

Parse the given string into a more readable object.

```
public ILine Parse(string codaLine)
```

Parameters

codaLine [string](#)

The line to parse.

Returns

[ILine](#)

The parsed content of the line.

Class NewStateLineParser

Namespace: [CodaParser.LineParsers](#)

Assembly: CodaParser.dll

The parser for the final state of the balance.

```
public class NewStateLineParser : ILineParser
```

Inheritance

[object](#) ← NewStateLineParser

Implements

[ILineParser](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

CanAcceptString(string)

Check if the parser take into account this type of line.

```
public bool CanAcceptString(string codaLine)
```

Parameters

codaLine [string](#)

The line to check if parsable.

Returns

[bool](#)

True if this parser can parse this line.

Parse(string)

Parse the given string into a more readable object.

```
public ILine Parse(string codaLine)
```

Parameters

codaLine [string](#)

The line to parse.

Returns

[ILine](#)

The parsed content of the line.

Class TransactionPart1LineParser

Namespace: [CodaParser.LineParsers](#)

Assembly: CodaParser.dll

The parser for the transaction movement information line part.

```
public class TransactionPart1LineParser : ILineParser
```

Inheritance

[object](#) ← TransactionPart1LineParser

Implements

[ILineParser](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

CanAcceptString(string)

Check if the parser take into account this type of line.

```
public bool CanAcceptString(string codaLine)
```

Parameters

codaLine [string](#)

The line to check if parsable.

Returns

[bool](#)

True if this parser can parse this line.

Parse(string)

Parse the given string into a more readable object.

```
public ILine Parse(string codaLine)
```

Parameters

codaLine [string](#)

The line to parse.

Returns

[ILine](#)

The parsed content of the line.

Class TransactionPart2LineParser

Namespace: [CodaParser.LineParsers](#)

Assembly: CodaParser.dll

The parser for the second transaction movement information line part.

```
public class TransactionPart2LineParser : ILineParser
```

Inheritance

[object](#) ← TransactionPart2LineParser

Implements

[ILineParser](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

CanAcceptString(string)

Check if the parser take into account this type of line.

```
public bool CanAcceptString(string codaLine)
```

Parameters

codaLine [string](#)

The line to check if parsable.

Returns

[bool](#)

True if this parser can parse this line.

Parse(string)

Parse the given string into a more readable object.

```
public ILine Parse(string codaLine)
```

Parameters

codaLine [string](#)

The line to parse.

Returns

[ILine](#)

The parsed content of the line.

Class TransactionPart3LineParser

Namespace: [CodaParser.LineParsers](#)

Assembly: CodaParser.dll

The parser for the third transaction movement information line part.

```
public class TransactionPart3LineParser : ILineParser
```

Inheritance

[object](#) ← TransactionPart3LineParser

Implements

[ILineParser](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

CanAcceptString(string)

Check if the parser take into account this type of line.

```
public bool CanAcceptString(string codaLine)
```

Parameters

codaLine [string](#)

The line to check if parsable.

Returns

[bool](#)

True if this parser can parse this line.

Parse(string)

Parse the given string into a more readable object.

```
public ILine Parse(string codaLine)
```

Parameters

codaLine [string](#)

The line to parse.

Returns

[ILine](#)

The parsed content of the line.

Namespace CodaParser.Lines

Classes

[EndSummaryLine](#)

The details of the trailer record.

[IdentificationLine](#)

The contents of the header record.

[InformationPart1Line](#)

Information about a line.

[InformationPart2Line](#)

Continued information about a line.

[InformationPart3Line](#)

Last line with information about a line.

[InitialStateLine](#)

Initial state of the balance.

[MessageLine](#)

The free communication.

[NewStateLine](#)

The new state of the balance.

[TransactionPart1Line](#)

Information about the movement.

[TransactionPart2Line](#)

Continued information about the movement.

[TransactionPart3Line](#)

Continued information about the movement.

Interfaces

[IInformationOrTransactionLine](#)

Information about an information or a transaction line.

[ILine](#)

Information about a line in a coda format.

Enums

[LineType](#)

The type of a line.

Class EndSummaryLine

Namespace: [CodaParser.Lines](#)

Assembly: CodaParser.dll

The details of the trailer record.

```
public class EndSummaryLine : ILine
```

Inheritance

[object](#) ← EndSummaryLine

Implements

[ILine](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

EndSummaryLine(Amount, Amount)

Initializes a new instance of the [EndSummaryLine](#) class.

```
public EndSummaryLine(Amount debitAmount, Amount creditAmount)
```

Parameters

debitAmount [Amount](#)

The debit movement.

creditAmount [Amount](#)

The credit movement.

Properties

CreditAmount

Gets the credit movement.

```
public Amount CreditAmount { get; }
```

Property Value

[Amount](#)

DebetAmount

Gets the debit movement.

```
public Amount DebetAmount { get; }
```

Property Value

[Amount](#)

Methods

GetLineType()

Gets the type of the line.

```
public LineType GetLineType()
```

Returns

[LineType](#)

The type that this line represents.

Interface IInformationOrTransactionLine

Namespace: [CodaParser.Lines](#)

Assembly: CodaParser.dll

Information about an information or a transaction line.

```
public interface IInformationOrTransactionLine : ILine
```

Inherited Members

[ILine.GetLineType\(\)](#).

Properties

Message

Gets the message.

```
Message? Message { get; }
```

Property Value

[Message](#)

SequenceNumber

Gets the sequence number.

```
SequenceNumber SequenceNumber { get; }
```

Property Value

[SequenceNumber](#)

Interface ILine

Namespace: [CodaParser.Lines](#)

Assembly: CodaParser.dll

Information about a line in a coda format.

```
public interface ILine
```

Methods

GetLineType()

Gets the type of the line.

```
LineType GetLineType()
```

Returns

[LineType](#)

The type that this line represents.

Class IdentificationLine

Namespace: [CodaParser.Lines](#)

Assembly: CodaParser.dll

The contents of the header record.

```
public class IdentificationLine : ILine
```

Inheritance

[object](#) ← IdentificationLine

Implements

[ILine](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

IdentificationLine(Date, BankIdentificationNumber, bool,
ApplicationCode, FileReference, AccountName, Bic,
CompanyIdentificationNumber, ExternalApplicationCode,
TransactionReference, RelatedReference, VersionCode)

Initializes a new instance of the [IdentificationLine](#) class.

```
public IdentificationLine(Date creationDate, BankIdentificationNumber  
bankIdentificationNumber, bool isDuplicate, ApplicationCode applicationCode,  
FileReference fileReference, AccountName accountName, Bic accountBic,  
CompanyIdentificationNumber accountCompanyIdentificationNumber,  
ExternalApplicationCode externalApplicationCode, TransactionReference  
transactionReference, RelatedReference relatedReference, VersionCode versionCode)
```

Parameters

creationDate [Date](#)

The creation date.

bankIdentificationNumber [BankIdentificationNumber](#)

The bank identification number or zeros.

isDuplicate [bool](#)

Indication for duplicity.

applicationCode [ApplicationCode](#)

The application code

fileReference [FileReference](#)

File reference as determined by the bank or blank

accountName [AccountName](#)

Name addressee

accountBic [Bic](#)

Bic of the bank holding the account.

accountCompanyIdentificationNumber [CompanyIdentificationNumber](#)

Identification number of the Belgium-based account holder

externalApplicationCode [ExternalApplicationCode](#)

code "seperate application"

transactionReference [TransactionReference](#)

Transaction reference or blank.

relatedReference [RelatedReference](#)

Related reference or blank.

versionCode [VersionCode](#)

The version code.

Properties

AccountBic

Gets the bic of the bank holding the account.

```
public Bic AccountBic { get; }
```

Property Value

[Bic](#)

AccountCompanyIdentificationNumber

Gets the identification number of the Belgium-based account holder.

```
public CompanyIdentificationNumber AccountCompanyIdentificationNumber { get; }
```

Property Value

[CompanyIdentificationNumber](#)

AccountName

Gets the name addressee

```
public AccountName AccountName { get; }
```

Property Value

[AccountName](#)

ApplicationCode

Gets the application code

```
public ApplicationCode ApplicationCode { get; }
```

Property Value

[ApplicationCode](#)

BankIdentificationNumber

Gets the bank identification number or zeros.

```
public BankIdentificationNumber BankIdentificationNumber { get; }
```

Property Value

[BankIdentificationNumber](#)

CreationDate

Gets the creation date.

```
public Date CreationDate { get; }
```

Property Value

[Date](#)

ExternalApplicationCode

Gets the code "seperate application"

```
public ExternalApplicationCode ExternalApplicationCode { get; }
```

Property Value

[ExternalApplicationCode](#)

FileReference

Gets the file reference as determined by the bank or blank

```
public FileReference FileReference { get; }
```

Property Value

[FileReference](#)

IsDuplicate

Gets a value indicating whether there is duplicity.

```
public bool IsDuplicate { get; }
```

Property Value

[bool](#)

RelatedReference

Gets the related reference or blank.

```
public RelatedReference RelatedReference { get; }
```

Property Value

[RelatedReference](#)

TransactionReference

Gets the transaction reference or blank.

```
public TransactionReference TransactionReference { get; }
```

Property Value

[TransactionReference](#)

VersionCode

Gets the version code.

```
public VersionCode VersionCode { get; }
```

Property Value

[VersionCode](#)

Methods

GetLineType()

Gets the type of the line.

```
public LineType GetLineType()
```

Returns

[LineType](#)

The type that this line represents.

Class InformationPart1Line

Namespace: [CodaParser.Lines](#)

Assembly: CodaParser.dll

Information about a line.

```
public class InformationPart1Line : IInformationOrTransactionLine, ILine
```

Inheritance

[object](#) ← InformationPart1Line

Implements

[IInformationOrTransactionLine](#), [ILine](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

InformationPart1Line(SequenceNumber, SequenceNumberDetail,
BankReference, TransactionCode,
MessageOrStructuredMessage)

Initializes a new instance of the [InformationPart1Line](#) class.

```
public InformationPart1Line(SequenceNumber sequenceNumber, SequenceNumberDetail  
sequenceNumberDetail, BankReference bankReference, TransactionCode transactionCode,  
MessageOrStructuredMessage messageOrStructuredMessage)
```

Parameters

sequenceNumber [SequenceNumber](#)

The continuous sequence number

`sequenceNumberDetail` [SequenceNumberDetail](#)

The detail number.

`bankReference` [BankReference](#)

The reference number added by the bank.

`transactionCode` [TransactionCode](#)

The transaction code.

`messageOrStructuredMessage` [MessageOrStructuredMessage](#)

The communication in structured or unstructured format.

Properties

BankReference

Gets the reference number added by the bank.

```
public BankReference BankReference { get; }
```

Property Value

[BankReference](#)

MessageOrStructuredMessage

Gets the communication in structured or unstructured format.

```
public MessageOrStructuredMessage MessageOrStructuredMessage { get; }
```

Property Value

[MessageOrStructuredMessage](#)

SequenceNumber

Gets the sequence number.

```
public SequenceNumber SequenceNumber { get; }
```

Property Value

[SequenceNumber](#)

SequenceNumberDetail

Gets the detail number.

```
public SequenceNumberDetail SequenceNumberDetail { get; }
```

Property Value

[SequenceNumberDetail](#)

TransactionCode

Gets the transaction code.

```
public TransactionCode TransactionCode { get; }
```

Property Value

[TransactionCode](#)

Methods

GetLineType()

Gets the type of the line.

```
public LineType GetLineType()
```

Returns

[LineType](#)

The type that this line represents.

Class InformationPart2Line

Namespace: [CodaParser.Lines](#)

Assembly: CodaParser.dll

Continued information about a line.

```
public class InformationPart2Line : IInformationOrTransactionLine, ILine
```

Inheritance

[object](#) ← InformationPart2Line

Implements

[IInformationOrTransactionLine](#), [ILine](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

InformationPart2Line(SequenceNumber, SequenceNumberDetail, Message)

Initializes a new instance of the [InformationPart2Line](#) class.

```
public InformationPart2Line(SequenceNumber sequenceNumber, SequenceNumberDetail  
sequenceNumberDetail, Message message)
```

Parameters

sequenceNumber [SequenceNumber](#)

The continuous sequence number.

sequenceNumberDetail [SequenceNumberDetail](#)

The detail number.

message Message

The communication.

Properties

Message

Gets the message.

```
public Message? Message { get; }
```

Property Value

[Message](#)

SequenceNumber

Gets the sequence number.

```
public SequenceNumber SequenceNumber { get; }
```

Property Value

[SequenceNumber](#)

SequenceNumberDetail

Gets the detail number.

```
public SequenceNumberDetail SequenceNumberDetail { get; }
```

Property Value

[SequenceNumberDetail](#)

Methods

GetLineType()

Gets the type of the line.

```
public LineType GetLineType()
```

Returns

[LineType](#)

The type that this line represents.

Class InformationPart3Line

Namespace: [CodaParser.Lines](#)

Assembly: CodaParser.dll

Last line with information about a line.

```
public class InformationPart3Line : IInformationOrTransactionLine, ILine
```

Inheritance

[object](#) ← InformationPart3Line

Implements

[IInformationOrTransactionLine](#), [ILine](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

InformationPart3Line(SequenceNumber, SequenceNumberDetail, Message)

Initializes a new instance of the [InformationPart3Line](#) class.

```
public InformationPart3Line(SequenceNumber sequenceNumber, SequenceNumberDetail  
sequenceNumberDetail, Message message)
```

Parameters

sequenceNumber [SequenceNumber](#)

The continuous sequence number.

sequenceNumberDetail [SequenceNumberDetail](#)

The detail number.

message Message

The communication.

Properties

Message

Gets the message.

```
public Message? Message { get; }
```

Property Value

[Message](#)

SequenceNumber

Gets the sequence number.

```
public SequenceNumber SequenceNumber { get; }
```

Property Value

[SequenceNumber](#)

SequenceNumberDetail

Gets the detail number.

```
public SequenceNumberDetail SequenceNumberDetail { get; }
```

Property Value

[SequenceNumberDetail](#)

Methods

GetLineType()

Gets the type of the line.

```
public LineType GetLineType()
```

Returns

[LineType](#)

The type that this line represents.

Class InitialStateLine

Namespace: [CodaParser.Lines](#)

Assembly: CodaParser.dll

Initial state of the balance.

```
public class InitialStateLine : ILine
```

Inheritance

[object](#) ← InitialStateLine

Implements

[ILine](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

InitialStateLine(PaperStatementSequenceNumber,
StatementSequenceNumber, Account, Amount, Date)

Initializes a new instance of the [InitialStateLine](#) class.

```
public InitialStateLine(PaperStatementSequenceNumber paperStatementSequenceNumber,  
StatementSequenceNumber statementSequenceNumber, Account account, Amount balance,  
Date date)
```

Parameters

paperStatementSequenceNumber [PaperStatementSequenceNumber](#)

The sequence number statement of account on paper or Julian date or zeros.

statementSequenceNumber [StatementSequenceNumber](#)

The sequence number of the coded statement of account or zeros.

account [Account](#)

The account.

balance [Amount](#)

The old balance.

date [Date](#)

The date of the balance.

Properties

Account

Gets the account.

```
public Account Account { get; }
```

Property Value

[Account](#)

Balance

Gets the balance.

```
public Amount Balance { get; }
```

Property Value

[Amount](#)

Date

Gets the date.

```
public Date Date { get; }
```

Property Value

[Date](#)

PaperStatementSequenceNumber

Gets the sequence number statement of account on paper.

```
public PaperStatementSequenceNumber PaperStatementSequenceNumber { get; }
```

Property Value

[PaperStatementSequenceNumber](#)

StatementSequenceNumber

Gets the sequence number of the coded statement.

```
public StatementSequenceNumber StatementSequenceNumber { get; }
```

Property Value

[StatementSequenceNumber](#)

Methods

GetLineType()

Gets the type of the line.

```
public LineType GetLineType()
```

Returns

LineType

The type that this line represents.

Enum LineType

Namespace: [CodaParser.Lines](#)

Assembly: CodaParser.dll

The type of a line.

```
public enum LineType
```

Fields

EndSummary = 90

The trailer record (90).

Identification = 0

The header record (00).

InformationPart1 = 31

The first information record (31).

InformationPart2 = 32

The second information record (32).

InformationPart3 = 33

The third information record (33).

InitialState = 10

The old balance record (10).

Message = 40

The free communication record (40).

NewState = 80

The new balance record (80).

TransactionPart1 = 21

The first movement record (21).

TransactionPart2 = 22

The second movement record (22).

TransactionPart3 = 23

The thrid movement record (23).

Class MessageLine

Namespace: [CodaParser.Lines](#)

Assembly: CodaParser.dll

The free communication.

```
public class MessageLine : ILine
```

Inheritance

[object](#) ← MessageLine

Implements

[ILine](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

MessageLine(SequenceNumber, SequenceNumberDetail, Message)

Initializes a new instance of the [MessageLine](#) class.

```
public MessageLine(SequenceNumber sequenceNumber, SequenceNumberDetail  
sequenceNumberDetail, Message content)
```

Parameters

sequenceNumber [SequenceNumber](#)

The continuous sequence number.

sequenceNumberDetail [SequenceNumberDetail](#)

The detail number.

content Message

The text of the free communication.

Properties

Content

Gets the text of the free communication.

```
public Message Content { get; }
```

Property Value

[Message](#)

SequenceNumber

Gets the continuous sequence number.

```
public SequenceNumber SequenceNumber { get; }
```

Property Value

[SequenceNumber](#)

SequenceNumberDetail

Gets the detail number.

```
public SequenceNumberDetail SequenceNumberDetail { get; }
```

Property Value

[SequenceNumberDetail](#)

Methods

GetLineType()

Gets the type of the line.

```
public LineType GetLineType()
```

Returns

[LineType](#)

The type that this line represents.

Class NewStateLine

Namespace: [CodaParser.Lines](#)

Assembly: CodaParser.dll

The new state of the balance.

```
public class NewStateLine : ILine
```

Inheritance

[object](#) ← NewStateLine

Implements

[ILine](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

NewStateLine(StatementSequenceNumber, AccountFull, Amount, Date)

Initializes a new instance of the [NewStateLine](#) class.

```
public NewStateLine(StatementSequenceNumber statementSequenceNumber, AccountFull  
account, Amount balance, Date date)
```

Parameters

statementSequenceNumber [StatementSequenceNumber](#)

The sequence number statement of account on paper.

account [AccountFull](#)

The account.

balance Amount

The new balance.

date Date

The new balance date.

Properties

Account

Gets the account.

```
public AccountFull Account { get; }
```

Property Value

[AccountFull](#)

Balance

Gets the balance.

```
public Amount Balance { get; }
```

Property Value

[Amount](#)

Date

Gets the date.

```
public Date Date { get; }
```

Property Value

StatementSequenceNumber

Gets the sequence number statement of account on paper.

```
public StatementSequenceNumber StatementSequenceNumber { get; }
```

Property Value

[StatementSequenceNumber](#)

Methods

GetLineType()

Gets the type of the line.

```
public LineType GetLineType()
```

Returns

[LineType](#)

The type that this line represents.

Class TransactionPart1Line

Namespace: [CodaParser.Lines](#)

Assembly: CodaParser.dll

Information about the movement.

```
public class TransactionPart1Line : IInformationOrTransactionLine, ILine
```

Inheritance

[object](#) ← TransactionPart1Line

Implements

[IInformationOrTransactionLine](#), [ILine](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

TransactionPart1Line(SequenceNumber, SequenceNumberDetail,
BankReference, Amount, Date, TransactionCode,
MessageOrStructuredMessage, Date,
StatementSequenceNumber, GlobalizationCode)

Initializes a new instance of the [TransactionPart1Line](#) class.

```
public TransactionPart1Line(SequenceNumber sequenceNumber, SequenceNumberDetail  
sequenceNumberDetail, BankReference bankReference, Amount amount, Date valutaDate,  
TransactionCode transactionCode, MessageOrStructuredMessage  
messageOrStructuredMessage, Date transactionDate, StatementSequenceNumber  
statementSequenceNumber, GlobalizationCode globalizationCode)
```

Parameters

sequenceNumber [SequenceNumber](#)

The continuous sequence number.

sequenceNumberDetail [SequenceNumberDetail](#)

The detail number.

bankReference [BankReference](#)

The reference number of the bank.

amount [Amount](#)

The amount.

valutaDate [Date](#)

The value date.

transactionCode [TransactionCode](#)

The transaction code.

messageOrStructuredMessage [MessageOrStructuredMessage](#)

The communication, structured or unstructured.

transactionDate [Date](#)

The entry date.

statementSequenceNumber [StatementSequenceNumber](#)

The sequence number statement of account on paper.

globalizationCode [GlobalizationCode](#)

The globalization code.

Properties

Amount

Gets the amount.

```
public Amount Amount { get; }
```

Property Value

[Amount](#)

BankReference

Gets the reference number of the bank.

```
public BankReference BankReference { get; }
```

Property Value

[BankReference](#)

GlobalizationCode

Gets the globalization code.

```
public GlobalizationCode GlobalizationCode { get; }
```

Property Value

[GlobalizationCode](#)

MessageOrStructuredMessage

Gets the communication, structured or unstructured.

```
public MessageOrStructuredMessage MessageOrStructuredMessage { get; }
```

Property Value

[MessageOrStructuredMessage](#)

SequenceNumber

Gets the sequence number.

```
public SequenceNumber SequenceNumber { get; }
```

Property Value

[SequenceNumber](#)

SequenceNumberDetail

Gets the detail number.

```
public SequenceNumberDetail SequenceNumberDetail { get; }
```

Property Value

[SequenceNumberDetail](#)

StatementSequenceNumber

Gets the sequence number statement of account on paper.

```
public StatementSequenceNumber StatementSequenceNumber { get; }
```

Property Value

[StatementSequenceNumber](#)

TransactionCode

Gets the transaction code.

```
public TransactionCode TransactionCode { get; }
```

Property Value

[TransactionCode](#)

TransactionDate

Gets the entry date.

```
public Date TransactionDate { get; }
```

Property Value

[Date](#)

ValutaDate

Gets the value date.

```
public Date ValutaDate { get; }
```

Property Value

[Date](#)

Methods

GetLineType()

Gets the type of the line.

```
public LineType GetLineType()
```

Returns

[LineType](#)

The type that this line represents.

Class TransactionPart2Line

Namespace: [CodaParser.Lines](#)

Assembly: CodaParser.dll

Continued information about the movement.

```
public class TransactionPart2Line : IInformationOrTransactionLine, ILine
```

Inheritance

[object](#) ← TransactionPart2Line

Implements

[IInformationOrTransactionLine](#), [ILine](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

TransactionPart2Line(SequenceNumber, SequenceNumberDetail,
Message, ClientReference, Bic, TransactionCodeType,
IsoReasonReturnCode, CategoryPurpose, Purpose)

Initializes a new instance of the [TransactionPart2Line](#) class.

```
public TransactionPart2Line(SequenceNumber sequenceNumber, SequenceNumberDetail  
sequenceNumberDetail, Message message, ClientReference clientReference, Bic  
otherAccountBic, TransactionCodeType transactionType, IsoReasonReturnCode  
isoReasonReturnCode, CategoryPurpose categoryPurpose, Purpose purpose)
```

Parameters

sequenceNumber [SequenceNumber](#)

The continuous sequence number.

sequenceNumberDetail [SequenceNumberDetail](#)

The detail number.

message [Message](#)

The communication.

clientReference [ClientReference](#)

The customer reference.

otherAccountBic [Bic](#)

The bic of the counterparty's bank.

transactionType [TransactionCodeType](#)

The type of the transaction.

isoReasonReturnCode [IsoReasonReturnCode](#)

The reason return code in iso format.

categoryPurpose [CategoryPurpose](#)

The category of the purpose.

purpose [Purpose](#)

The purpose.

Properties

CategoryPurpose

Gets the category of the purpose.

```
public CategoryPurpose CategoryPurpose { get; }
```

Property Value

[CategoryPurpose](#)

ClientReference

Gets the customer reference.

```
public ClientReference ClientReference { get; }
```

Property Value

[ClientReference](#)

IsoReasonReturnCode

Gets the reason return code in iso format.

```
public IsoReasonReturnCode IsoReasonReturnCode { get; }
```

Property Value

[IsoReasonReturnCode](#)

Message

Gets the message.

```
public Message? Message { get; }
```

Property Value

[Message](#)

OtherAccountBic

Gets the bic of the counterparty's bank.

```
public Bic OtherAccountBic { get; }
```

Property Value

[Bic](#)

Purpose

Gets the purpose.

```
public Purpose Purpose { get; }
```

Property Value

[Purpose](#)

SequenceNumber

Gets the sequence number.

```
public SequenceNumber SequenceNumber { get; }
```

Property Value

[SequenceNumber](#)

SequenceNumberDetail

Gets the detail number.

```
public SequenceNumberDetail SequenceNumberDetail { get; }
```

Property Value

[SequenceNumberDetail](#)

TransactionType

Gets the type of the transaction.

```
public TransactionCodeType TransactionType { get; }
```

Property Value

[TransactionCodeType](#)

Methods

GetLineType()

Gets the type of the line.

```
public LineType GetLineType()
```

Returns

[LineType](#)

The type that this line represents.

Class TransactionPart3Line

Namespace: [CodaParser.Lines](#)

Assembly: CodaParser.dll

Continued information about the movement.

```
public class TransactionPart3Line : IInformationOrTransactionLine, ILine
```

Inheritance

[object](#) ← TransactionPart3Line

Implements

[IInformationOrTransactionLine](#), [ILine](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

TransactionPart3Line(SequenceNumber, SequenceNumberDetail, AccountFull, AccountName, Message)

Initializes a new instance of the [TransactionPart3Line](#) class.

```
public TransactionPart3Line(SequenceNumber sequenceNumber, SequenceNumberDetail  
sequenceNumberDetail, AccountFull otherAccountNumberAndCurrency, AccountName  
otherAccountName, Message message)
```

Parameters

sequenceNumber [SequenceNumber](#)

The continuous sequence number.

sequenceNumberDetail [SequenceNumberDetail](#)

The detail number.

otherAccountNumberAndCurrency [AccountFull](#)

The counterparty's account number and currency code.

otherAccountName [AccountName](#)

The counterparty's name.

message [Message](#)

The communication.

Properties

Message

Gets the message.

```
public Message? Message { get; }
```

Property Value

[Message](#)

OtherAccountName

Gets the counterparty's name.

```
public AccountName OtherAccountName { get; }
```

Property Value

[AccountName](#)

OtherAccountNumberAndCurrency

Gets the counterparty's account number and currency code.

```
public AccountFull OtherAccountNumberAndCurrency { get; }
```

Property Value

[AccountFull](#)

SequenceNumber

Gets the sequence number.

```
public SequenceNumber SequenceNumber { get; }
```

Property Value

[SequenceNumber](#)

SequenceNumberDetail

The detail number.

```
public SequenceNumberDetail SequenceNumberDetail { get; }
```

Property Value

[SequenceNumberDetail](#)

Methods

GetLineType()

Gets the type of the line.

```
public LineType GetLineType()
```

Returns

LineType

The type that this line represents.

Namespace CodaParser.StatementParsers

Classes

[AccountOtherPartyParser](#)

Parser for the account of the other party.

[AccountParser](#)

Parser for the account.

[MessageParser](#)

Parser for the message.

[StatementParser](#)

Parser of a single statement.

[TransactionParser](#)

Parser of a transaction.

Class AccountOtherPartyParser

Namespace: [CodaParser.StatementParsers](#)

Assembly: CodaParser.dll

Parser for the account of the other party.

```
public class AccountOtherPartyParser
```

Inheritance

[object](#) ← AccountOtherPartyParser

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

Parse(IEnumerable<ILine>)

Parse the relevant lines to a [AccountOtherParty](#).

```
public AccountOtherParty Parse(IEnumerable<ILine> lines)
```

Parameters

lines [IEnumerable](#)<ILine>

The lines with the information.

Returns

[AccountOtherParty](#)

The account of the other party.

Class AccountParser

Namespace: [CodaParser.StatementParsers](#)

Assembly: CodaParser.dll

Parser for the account.

```
public class AccountParser
```

Inheritance

[object](#) ← AccountParser

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

Parse(IEnumerable<ILine>)

Parse the relevant lines in an [Account](#).

```
public Account Parse(IEnumerable<ILine> lines)
```

Parameters

lines [IEnumerable](#)<ILine>

The lines to parse.

Returns

[Account](#)

The account of the customer.

Class MessageParser

Namespace: [CodaParser.StatementParsers](#)

Assembly: CodaParser.dll

Parser for the message.

```
public class MessageParser
```

Inheritance

[object](#) ← MessageParser

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

Parse(IEnumerable<MessageLine>)

Parse the relevant message lines into a single message.

```
public string Parse(IEnumerable<MessageLine> lines)
```

Parameters

lines [IEnumerable](#)<MessageLine>

The lines to parse.

Returns

[string](#)

The message.

Class StatementParser

Namespace: [CodaParser.StatementParsers](#)

Assembly: CodaParser.dll

Parser of a single statement.

```
public class StatementParser
```

Inheritance

[object](#) ← StatementParser

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

Parse(IEnumerable<ILine>)

Parse the lines into a [Statement](#).

```
public Statement Parse(IEnumerable<ILine> lines)
```

Parameters

lines [IEnumerable](#)<ILine>

The lines to parse.

Returns

[Statement](#)

A single [Statement](#).

Class TransactionParser

Namespace: [CodaParser.StatementParsers](#)

Assembly: CodaParser.dll

Parser of a transaction.

```
public class TransactionParser
```

Inheritance

[object](#) ← TransactionParser

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

Parse(IEnumerable<ILine>)

Parse the relevant lines into a [Transaction](#).

```
public Transaction Parse(IEnumerable<ILine> lines)
```

Parameters

lines [IEnumerable](#)<ILine>

The lines to parse.

Returns

[Transaction](#)

A single [Transaction](#).

Namespace CodaParser.Statements

Classes

[Account](#)

Information about an account.

[AccountOtherParty](#)

Information about the account of the other party.

[Statement](#)

A statement for a change in the balance..

[Transaction](#)

Information about a single transaction.

Class Account

Namespace: [CodaParser.Statements](#)

Assembly: CodaParser.dll

Information about an account.

```
public class Account
```

Inheritance

[object](#) ← Account

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

Account(string, string, string, string, string, string)

Initializes a new instance of the [Account](#) class.

```
public Account(string name, string bic, string companyIdentificationNumber, string  
number, string currencyCode, string countryCode)
```

Parameters

name [string](#)

The name addressee.

bic [string](#)

The bic of the bank holding the account.

companyIdentificationNumber [string](#)

The identification number of the Belgium-based account holder

number [string](#)

The number of the account.

currencyCode [string](#)

The currency code.

countryCode [string](#)

The country code.

Properties

Bic

Gets the bic of the bank holding the account

```
public string Bic { get; }
```

Property Value

[string](#)

CompanyIdentificationNumber

Gets the identification number of the Belgium-based account holder

```
public string CompanyIdentificationNumber { get; }
```

Property Value

[string](#)

CountryCode

Gets the country code.

```
public string CountryCode { get; }
```

Property Value

[string](#)

CurrencyCode

Gets the currency code.

```
public string CurrencyCode { get; }
```

Property Value

[string](#)

Name

Gets the name addressee

```
public string Name { get; }
```

Property Value

[string](#)

Number

Gets the number of the account.

```
public string Number { get; }
```

Property Value

[string](#)

Class AccountOtherParty

Namespace: [CodaParser.Statements](#)

Assembly: CodaParser.dll

Information about the account of the other party.

```
public class AccountOtherParty
```

Inheritance

[object](#) ← AccountOtherParty

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

AccountOtherParty(string, string, string, string)

Initializes a new instance of the [AccountOtherParty](#) class.

```
public AccountOtherParty(string name, string bic, string number,  
string currencyCode)
```

Parameters

`name` [string](#)

The counterparty's name.

`bic` [string](#)

The counterparty's bic.

`number` [string](#)

The counterparty's account number.

`currencyCode` [string](#)

The counterparty's currency code.

Properties

Bic

Gets the counterparty's bic.

```
public string Bic { get; }
```

Property Value

[string](#)

CurrencyCode

Gets the counterparty's currency code.

```
public string CurrencyCode { get; }
```

Property Value

[string](#)

Name

Gets the counterparty's name.

```
public string Name { get; }
```

Property Value

[string](#)

Number

Gets the counterparty's account number.

```
public string Number { get; }
```

Property Value

[string](#)

Class Statement

Namespace: [CodaParser.Statements](#)

Assembly: CodaParser.dll

A statement for a change in the balance..

```
public class Statement
```

Inheritance

[object](#) ← Statement

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

Statement(DateTime, Account, decimal, decimal, string,
IEnumerable<Transaction>)

Initializes a new [Statement](#) class.

```
public Statement(DateTime date, Account account, decimal initialBalance, decimal  
newBalance, string informationalMessage, IEnumerable<Transaction> transactions)
```

Parameters

date [DateTime](#)

The execution date.

account [Account](#)

The changed account.

initialBalance [decimal](#)

The initial balance.

newBalance [decimal](#)

The new balance.

informationalMessage [string](#)

An informational message.

transactions [IEnumerable](#)<[Transaction](#)>

The executed transactions.

Properties

Account

Gets the changed account.

```
public Account Account { get; }
```

Property Value

[Account](#)

Date

Gets the execution date.

```
public DateTime Date { get; }
```

Property Value

[DateTime](#)

InformationalMessage

Gets the informational message.

```
public string InformationalMessage { get; }
```

Property Value

[string](#)

InitialBalance

Gets the initial balance.

```
public decimal InitialBalance { get; }
```

Property Value

[decimal](#)

NewBalance

Gets the new balance.

```
public decimal NewBalance { get; }
```

Property Value

[decimal](#)

Transactions

Gets the executed transactions.

```
public IReadOnlyList<Transaction> Transactions { get; }
```

Property Value

[IReadOnlyList](#)<[Transaction](#)>

Class Transaction

Namespace: [CodaParser.Statements](#)

Assembly: CodaParser.dll

Information about a single transaction.

```
public class Transaction
```

Inheritance

[object](#) ← Transaction

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

Transaction(AccountOtherParty, int, int, DateTime, DateTime, decimal, string, string?, SepaDirectDebit?)

Initializes a new instance of the [Transaction](#) class.

```
public Transaction(AccountOtherParty account, int statementSequence, int  
transactionSequence, DateTime transactionDate, DateTime valutaDate, decimal amount,  
string message, string? structuredMessage, SepaDirectDebit? sepaDirectDebit)
```

Parameters

account [AccountOtherParty](#)

The account of the other party.

statementSequence [int](#)

The sequence id of the statement.

transactionSequence [int](#)

The sequence id of the transaction.

transactionDate [DateTime](#)

The date where the transaction is executed.

valutaDate [DateTime](#)

The date where the valuta is changed.

amount [decimal](#)

The amount that has been transferred.

message [string](#)

A message that is included in the transaction.

structuredMessage [string](#)

A structured message.

sepaDirectDebit [SepaDirectDebit](#)

The sepa direct debit information.

Properties

Account

Gets the account of the other party.

```
public AccountOtherParty Account { get; }
```

Property Value

[AccountOtherParty](#)

Amount

Gets the transferred amount.

```
public decimal Amount { get; }
```

Property Value

[decimal](#)

Message

Gets the included message.

```
public string Message { get; }
```

Property Value

[string](#)

SepaDirectDebit

Gets the sepa direct debit information.

```
public SepaDirectDebit? SepaDirectDebit { get; }
```

Property Value

[SepaDirectDebit](#)

StatementSequence

Gets the sequence id of the statement.

```
public int StatementSequence { get; }
```

Property Value

[int](#)

StructuredMessage

Gets the structured message.

```
public string? StructuredMessage { get; }
```

Property Value

[string](#)

TransactionDate

Gets the date where the transaction is executed.

```
public DateTime TransactionDate { get; }
```

Property Value

[DateTime](#)

TransactionSequence

Gets the sequence id of the transaction.

```
public int TransactionSequence { get; }
```

Property Value

[int](#)

ValutaDate

Gets the date when the valuta is changed.

```
public DateTime ValutaDate { get; }
```

Property Value

[Date](#)[Time](#)

Namespace CodaParser.Values

Classes

[Account](#)

Raw information of an account.

[AccountDescription](#)

The description of an account.

[AccountFull](#)

[AccountName](#)

[AccountNumber](#)

[AccountNumberType](#)

[Amount](#)

[ApplicationCode](#)

[BankIdentificationNumber](#)

[BankReference](#)

[Bic](#)

[CategoryPurpose](#)

[ClientReference](#)

[CompanyIdentificationNumber](#)

[Country](#)

[Currency](#)

[Date](#)

[ExternalApplicationCode](#)

[FileReference](#)

[GlobalizationCode](#)

[IsoReasonReturnCode](#)

[Message](#)

[MessageOrStructuredMessage](#)

[PaperStatementSequenceNumber](#)

[Purpose](#)

[RelatedReference](#)

[SepaDirectDebit](#)

[SequenceNumber](#)

[SequenceNumberDetail](#)

[StatementSequenceNumber](#)

[StructuredMessage](#)

[TransactionCode](#)

[TransactionCodeCategory](#)

[TransactionCodeFamily](#)

[TransactionCodeOperation](#)

[TransactionCodeType](#)

[TransactionReference](#)

[VersionCode](#)

Class Account

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

Raw information of an account.

```
public class Account
```

Inheritance

[object](#) ← Account

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

Account(string, string, string)

Initializes a new instance of the [Account](#) class.

```
public Account(string accountNumberTypeString, string accountInfo,  
string accountNameInfo)
```

Parameters

accountNumberTypeString [string](#)

The type of the account.

accountInfo [string](#)

The raw information of the account.

accountNameInfo [string](#)

The raw information about the name.

Properties

Country

Gets the country.

```
public Country Country { get; }
```

Property Value

[Country](#)

Currency

Gets the currency.

```
public Currency Currency { get; }
```

Property Value

[Currency](#)

Description

Gets the account description.

```
public AccountDescription Description { get; }
```

Property Value

[AccountDescription](#)

Name

Gets the name of the account holder.

```
public AccountName Name { get; }
```

Property Value

[AccountName](#)

Number

Gets the number of the account.

```
public AccountNumber Number { get; }
```

Property Value

[AccountNumber](#)

NumberType

Gets the type of the account number.

```
public AccountNumberType NumberType { get; }
```

Property Value

[AccountNumberType](#)

Class AccountDescription

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

The description of an account.

```
public class AccountDescription
```

Inheritance

[object](#) ← AccountDescription

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

AccountDescription(string)

Initializes a new instance of the [AccountDescription](#) class.

```
public AccountDescription(string value)
```

Parameters

value [string](#)

The description of the account.

Properties

Value

Gets the description of the account.

```
public string Value { get; }
```

Property Value

[string](#) ↗

Class AccountFull

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class AccountFull
```

Inheritance

[object](#) ← AccountFull

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

AccountFull(string)

```
public AccountFull(string value)
```

Parameters

value [string](#)

Properties

Value

```
public string Value { get; }
```

Property Value

[string](#)

Class AccountName

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class AccountName
```

Inheritance

[object](#) ← AccountName

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

AccountName(string)

```
public AccountName(string value)
```

Parameters

value [string](#)

Properties

Value

```
public string Value { get; }
```

Property Value

[string](#)

Class AccountNumber

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class AccountNumber
```

Inheritance

[object](#) ← AccountNumber

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

AccountNumber(string, bool)

```
public AccountNumber(string value, bool isIbanNumber)
```

Parameters

value [string](#)

isIbanNumber [bool](#)

Properties

IsIbanNumber

```
public bool IsIbanNumber { get; }
```

Property Value

[bool](#)

Value

```
public string Value { get; }
```

Property Value

[string](#) ↗

Class AccountNumberType

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class AccountNumberType
```

Inheritance

[object](#) ← AccountNumberType

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

AccountNumberType(string)

```
public AccountNumberType(string value)
```

Parameters

value [string](#)

Properties

Value

```
public string Value { get; }
```

Property Value

[string](#)

Class Amount

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class Amount
```

Inheritance

[object](#) ← Amount

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

Amount(string, bool)

```
public Amount(string amountAsString, bool includesSign = false)
```

Parameters

amountAsString [string](#)

includesSign [bool](#)

Properties

Value

```
public decimal Value { get; }
```

Property Value

[decimal](#)

Class ApplicationCode

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class ApplicationCode
```

Inheritance

[object](#) ← ApplicationCode

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

ApplicationCode(string)

```
public ApplicationCode(string value)
```

Parameters

value [string](#)

Properties

Value

```
public string Value { get; }
```

Property Value

[string](#)

Class BankIdentificationNumber

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class BankIdentificationNumber
```

Inheritance

[object](#) ← BankIdentificationNumber

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

BankIdentificationNumber(string)

```
public BankIdentificationNumber(string value)
```

Parameters

value [string](#)

Properties

Value

```
public string Value { get; }
```

Property Value

[string](#)

Class BankReference

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class BankReference
```

Inheritance

[object](#) ← BankReference

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

BankReference(string)

```
public BankReference(string value)
```

Parameters

value [string](#)

Properties

Value

```
public string Value { get; }
```

Property Value

[string](#)

Class Bic

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class Bic
```

Inheritance

[object](#) ← Bic

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

Bic(string)

```
public Bic(string value)
```

Parameters

value [string](#)

Properties

Value

```
public string Value { get; }
```

Property Value

[string](#)

Class CategoryPurpose

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class CategoryPurpose
```

Inheritance

[object](#) ← CategoryPurpose

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

CategoryPurpose(string)

```
public CategoryPurpose(string value)
```

Parameters

value [string](#)

Properties

Value

```
public string Value { get; }
```

Property Value

[string](#)

Class ClientReference

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class ClientReference
```

Inheritance

[object](#) ← ClientReference

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

ClientReference(string)

```
public ClientReference(string value)
```

Parameters

value [string](#)

Properties

Value

```
public string Value { get; }
```

Property Value

[string](#)

Class CompanyIdentificationNumber

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class CompanyIdentificationNumber
```

Inheritance

[object](#) ← CompanyIdentificationNumber

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

CompanyIdentificationNumber(string)

```
public CompanyIdentificationNumber(string value)
```

Parameters

value [string](#)

Properties

Value

```
public string Value { get; }
```

Property Value

[string](#)

Class Country

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class Country
```

Inheritance

[object](#) ← Country

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

Country(string)

```
public Country(string countryCode)
```

Parameters

countryCode [string](#)

Properties

CountryCode

```
public string CountryCode { get; }
```

Property Value

[string](#)

Class Currency

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class Currency
```

Inheritance

[object](#) ← Currency

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

Currency(string)

```
public Currency(string currencyCode)
```

Parameters

currencyCode [string](#)

Properties

CurrencyCode

```
public string CurrencyCode { get; }
```

Property Value

[string](#)

Class Date

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class Date
```

Inheritance

[object](#) ← Date

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

Date(string)

```
public Date(string dateString)
```

Parameters

dateString [string](#)

Properties

Value

```
public DateTime Value { get; }
```

Property Value

[DateTime](#)

Class ExternalApplicationCode

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class ExternalApplicationCode
```

Inheritance

[object](#) ← ExternalApplicationCode

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

ExternalApplicationCode(string)

```
public ExternalApplicationCode(string value)
```

Parameters

value [string](#)

Properties

Value

```
public string Value { get; }
```

Property Value

[string](#)

Class FileReference

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class FileReference
```

Inheritance

[object](#) ← FileReference

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

FileReference(string)

```
public FileReference(string value)
```

Parameters

value [string](#)

Properties

Value

```
public string Value { get; }
```

Property Value

[string](#)

Class GlobalizationCode

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class GlobalizationCode
```

Inheritance

[object](#) ← GlobalizationCode

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

GlobalizationCode(string)

```
public GlobalizationCode(string value)
```

Parameters

value [string](#)

Properties

Value

```
public int Value { get; }
```

Property Value

[int](#)

Class IsoReasonReturnCode

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class IsoReasonReturnCode
```

Inheritance

[object](#) ← IsoReasonReturnCode

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

IsoReasonReturnCode(string)

```
public IsoReasonReturnCode(string value)
```

Parameters

value [string](#)

Properties

Value

```
public string Value { get; }
```

Property Value

[string](#)

Class Message

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class Message
```

Inheritance

[object](#) ← Message

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

Message(string)

```
public Message(string value)
```

Parameters

value [string](#)

Properties

Value

```
public string Value { get; }
```

Property Value

[string](#)

Class MessageOrStructuredMessage

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class MessageOrStructuredMessage
```

Inheritance

[object](#) ← MessageOrStructuredMessage

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

MessageOrStructuredMessage(string, TransactionCode)

```
public MessageOrStructuredMessage(string value, TransactionCode transactionCode)
```

Parameters

value [string](#)

transactionCode [TransactionCode](#)

Properties

Message

```
public Message? Message { get; }
```

Property Value

[Message](#)

StructuredMessage

```
public StructuredMessage? StructuredMessage { get; }
```

Property Value

[StructuredMessage](#)

Class PaperStatementSequenceNumber

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class PaperStatementSequenceNumber
```

Inheritance

[object](#) ← PaperStatementSequenceNumber

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

PaperStatementSequenceNumber(string)

```
public PaperStatementSequenceNumber(string paperStatementSequenceNumber)
```

Parameters

paperStatementSequenceNumber [string](#)

Fields

Value

```
public int Value
```

Field Value

[int](#)

Class Purpose

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class Purpose
```

Inheritance

[object](#) ← Purpose

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

Purpose(string)

```
public Purpose(string value)
```

Parameters

value [string](#)

Properties

Value

```
public string Value { get; }
```

Property Value

[string](#)

Class RelatedReference

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class RelatedReference
```

Inheritance

[object](#) ← RelatedReference

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

RelatedReference(string)

```
public RelatedReference(string value)
```

Parameters

value [string](#)

Properties

Value

```
public string Value { get; }
```

Property Value

[string](#)

Class SepaDirectDebit

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class SepaDirectDebit
```

Inheritance

[object](#) ← SepaDirectDebit

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

SepaDirectDebit(string)

```
public SepaDirectDebit(string value)
```

Parameters

value [string](#)

Properties

CreditorIdentificationCode

```
public string CreditorIdentificationCode { get; }
```

Property Value

[string](#)

MandateReference

```
public string MandateReference { get; }
```

Property Value

[string](#) ↗

PaidReason

```
public int PaidReason { get; }
```

Property Value

[int](#) ↗

Scheme

```
public int Scheme { get; }
```

Property Value

[int](#) ↗

SettlementDate

```
public Date SettlementDate { get; }
```

Property Value

[Date](#)

Type

```
public int Type { get; }
```

Property Value

[int ↗](#)

Class SequenceNumber

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class SequenceNumber
```

Inheritance

[object](#) ← SequenceNumber

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

SequenceNumber(string)

```
public SequenceNumber(string sequenceNumber)
```

Parameters

sequenceNumber [string](#)

Properties

Value

```
public int Value { get; }
```

Property Value

[int](#)

Class SequenceNumberDetail

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class SequenceNumberDetail
```

Inheritance

[object](#) ← SequenceNumberDetail

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

SequenceNumberDetail(string)

```
public SequenceNumberDetail(string sequenceNumberDetail)
```

Parameters

sequenceNumberDetail [string](#)

Properties

Value

```
public int Value { get; }
```

Property Value

[int](#)

Class StatementSequenceNumber

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class StatementSequenceNumber
```

Inheritance

[object](#) ← StatementSequenceNumber

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

StatementSequenceNumber(string)

```
public StatementSequenceNumber(string value)
```

Parameters

value [string](#)

Properties

Value

```
public int Value { get; }
```

Property Value

[int](#)

Class StructuredMessage

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class StructuredMessage
```

Inheritance

[object](#) ← StructuredMessage

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

StructuredMessage(string, TransactionCode)

```
public StructuredMessage(string value, TransactionCode transactionCode)
```

Parameters

value [string](#)

transactionCode [TransactionCode](#)

Properties

SepaDirectDebit

```
public SepaDirectDebit? SepaDirectDebit { get; }
```

Property Value

[SepaDirectDebit](#)

StructuredMessageFull

```
public string StructuredMessageFull { get; }
```

Property Value

[string](#) ↗

StructuredMessageType

```
public string StructuredMessageType { get; }
```

Property Value

[string](#) ↗

Value

```
public string Value { get; }
```

Property Value

[string](#) ↗

Class TransactionCode

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class TransactionCode
```

Inheritance

[object](#) ← TransactionCode

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

TransactionCode(string)

```
public TransactionCode(string value)
```

Parameters

value [string](#)

Properties

Category

```
public TransactionCodeCategory Category { get; }
```

Property Value

[TransactionCodeCategory](#)

Family

```
public TransactionCodeFamily Family { get; }
```

Property Value

[TransactionCodeFamily](#)

Operation

```
public TransactionCodeOperation Operation { get; }
```

Property Value

[TransactionCodeOperation](#)

Type

```
public TransactionCodeType Type { get; }
```

Property Value

[TransactionCodeType](#)

Class TransactionCodeCategory

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class TransactionCodeCategory
```

Inheritance

[object](#) ← TransactionCodeCategory

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

TransactionCodeCategory(string)

```
public TransactionCodeCategory(string value)
```

Parameters

value [string](#)

Properties

Value

```
public string Value { get; }
```

Property Value

[string](#)

Class TransactionCodeFamily

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class TransactionCodeFamily
```

Inheritance

[object](#) ← TransactionCodeFamily

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

TransactionCodeFamily(string)

```
public TransactionCodeFamily(string value)
```

Parameters

value [string](#)

Fields

Value

```
public string Value
```

Field Value

[string](#)

Class TransactionCodeOperation

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class TransactionCodeOperation
```

Inheritance

[object](#) ← TransactionCodeOperation

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

TransactionCodeOperation(string)

```
public TransactionCodeOperation(string value)
```

Parameters

value [string](#)

Properties

Value

```
public string Value { get; }
```

Property Value

[string](#)

Class TransactionCodeType

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class TransactionCodeType
```

Inheritance

[object](#) ← TransactionCodeType

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

TransactionCodeType(string)

```
public TransactionCodeType(string value)
```

Parameters

value [string](#)

Properties

Value

```
public string Value { get; }
```

Property Value

[string](#)

Class TransactionReference

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class TransactionReference
```

Inheritance

[object](#) ← TransactionReference

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

TransactionReference(string)

```
public TransactionReference(string value)
```

Parameters

value [string](#)

Fields

Value

```
public string Value
```

Field Value

[string](#)

Class VersionCode

Namespace: [CodaParser.Values](#)

Assembly: CodaParser.dll

```
public class VersionCode
```

Inheritance

[object](#) ← VersionCode

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Constructors

VersionCode(string)

```
public VersionCode(string value)
```

Parameters

value [string](#)

Properties

Value

```
public string Value { get; }
```

Property Value

[string](#)