AIQWA

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# **Chapter 1**

# **Class Index**

## 1.1 Class List

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2 Class Index

## **Chapter 2**

## **Class Documentation**

#### 2.1 Color Struct Reference

#### **Public Attributes**

- · string nom
- int indice
- int red
- int green
- int blue

The documentation for this struct was generated from the following file:

/home/sylvain/Documents/Travail/ajc-akkodis/formation/LinuxEmbarque/Projet/devel/AlrQualityWAtch/mygraphics.

#### 2.2 CurveChartParams Struct Reference

#### **Public Attributes**

- string title
- string description
- vector < dataSet > \* dataSets
- int nbMeasures
- int colorIndex
- int titleHeight
- int marginLeft
- int marginBottom
- int legendWidth
- · float globalMax
- float globalMin

The documentation for this struct was generated from the following file:

/home/sylvain/Documents/Travail/ajc-akkodis/formation/LinuxEmbarque/Projet/devel/AlrQualityWAtch/mygraphics. ←
 h

#### 2.3 DataElement Struct Reference

#### **Public Attributes**

- · string label
- · float abscisse
- · float value

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 h

#### 2.4 dataSet Struct Reference

#### **Public Attributes**

- vector < DataElement > \* dataElements
- · int colorIndex
- · string legend

The documentation for this struct was generated from the following file:

### 2.5 myCurl Class Reference

```
# The myCurl class
#include <mycurl.h>
```

#### **Public Member Functions**

getLatitude

```
    myCurl ()
        myCurl
    const string & getApi_key () const
        getApi_key
    void setApi_key (const string &newApi_key)
        setApi_key
    const string & getLongitude () const
        getLongitude
    void setLongitude (const string &newLongitude)
        setLongitude
    const string & getLatitude () const
```

```
    void setLatitude (const string &newLatitude)
        setLatitude
    const string & getUrl () const
        getUrl
    void setUrl (const string &newUrl)
        setUrl
    size_t getResponseSize ()
        getResponseSize
    void getData (char **response)
        getData
    CURLcode exec (myOptions *options)
        exec
```

#### 2.5.1 Detailed Description

```
# The myCurl class

Manage API access

includes curl/curl.h library

Requires -lcurl
```

#### 2.5.2 Constructor & Destructor Documentation

```
myCurl::myCurl ( )
myCurl
constructor
```

2.5.2.1 myCurl()

#### 2.5.3 Member Function Documentation

#### 2.5.3.1 exec()

#### **Parameters**

```
myOption options
```

Returns

## 2.5.3.2 getApi\_key()

```
const string & myCurl::getApi_key ( ) const
getApi_key
```

Returns

#### 2.5.3.3 getData()

getData

**Parameters** 

```
char** response
```

#### 2.5.3.4 getLatitude()

```
const string & myCurl::getLatitude ( ) const
```

getLatitude

Returns

#### 2.5.3.5 getLongitude()

```
const string & myCurl::getLongitude ( ) const \label{eq:getLongitude} \mbox{getLongitude}
```

Returns

#### 2.5.3.6 getResponseSize()

```
size_t myCurl::getResponseSize ( )
getResponseSize
```

Returns

#### 2.5.3.7 getUrl()

```
const string & myCurl::getUrl ( ) const \label{eq:getUrl} \mbox{getUrl}
```

Returns

#### 2.5.3.8 setApi\_key()

newApi\_key

**Parameters** 

#### 2.5.3.9 setLatitude()

#### 2.5.3.10 setLongitude()

newLongitude

#### 2.5.3.11 setUrl()

**Parameters** 

newUrl

The documentation for this class was generated from the following files:

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  h
- /home/sylvain/Documents/Travail/ajc-akkodis/formation/LinuxEmbarque/Projet/devel/AlrQualityWAtch/mycurl. ← cpp

## 2.6 myGraphics Class Reference

## **Public Member Functions**

• myGraphics ()

```
    myGraphics
    void pieChart (json datas, myOptions *options)
    pieChart
    void curveChart (json datas, myOptions *options)
    curveChart
```

#### 2.6.1 Member Function Documentation

#### 2.6.1.1 curveChart()

#### curveChart

#### **Parameters**

datas	
options	

#### 2.6.1.2 pieChart()

#### pieChart

#### Parameters



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- /home/sylvain/Documents/Travail/ajc-akkodis/formation/LinuxEmbarque/Projet/devel/AlrQualityWAtch/mygraphics. ← cpp

## 2.7 myOptions Class Reference

#### **Public Member Functions**

```
• myOptions ()
     myOptions
• void readFromFile (string fileName)
     readFromFile
• string getFullUrl ()
     getFullUrl
• string getApiKeyHeader ()
     getApiKeyHeader
• string getFilesOwner ()
     getFilesOwner
• string getFullLogFileName ()
     getFullLogFileName
• string getFullDataFileName ()
     getFullDataFileName
• string getFullCurveChartFileName ()
     getFullCurveChartFileName
• string getFullHistoChartFileName ()
     getFullHistoChartFileName
• string getFullPieChartFileName ()
     getFullPieChartFileName
• bool isDisplay ()
     isDisplay
```

#### 2.7.1 Member Function Documentation

#### 2.7.1.1 getApiKeyHeader()

```
\begin{tabular}{ll} \tt string myOptions::getApiKeyHeader () \\ \\ \tt getApiKeyHeader \\ \end{tabular}
```

Returns

#### 2.7.1.2 getFilesOwner()

```
string myOptions::getFilesOwner ( )
getFilesOwner
```

Returns

#### 2.7.1.3 getFullCurveChartFileName()

```
\label{thm:continuous} string \ \mbox{myOptions::getFullCurveChartFileName} \ \ (\ ) \mbox{getFullCurveChartFileName}
```

Returns

#### 2.7.1.4 getFullDataFileName()

```
string myOptions::getFullDataFileName ( )
getFullDataFileName
```

Returns

#### 2.7.1.5 getFullHistoChartFileName()

```
\label{thm:chart} {\tt string myOptions::getFullHistoChartFileName} \ (\ ) \\ {\tt getFullHistoChartFileName}
```

Returns

#### 2.7.1.6 getFullLogFileName()

```
\label{thm:continuous} {\tt string myOptions::getFullLogFileName} \end{substitute} \begin{substitute}(10,0) \put(0,0){\line(0,0){100}} \put(0,0){\line
```

Returns

#### 2.7.1.7 getFullPieChartFileName()

```
\label{thm:chart} {\tt string myOptions::getFullPieChartFileName} \end{substitute} \begin{substitute}(10,0) \put(0,0){\line(0,0){100}} \put(0,0){\line
```

Returns

#### 2.7.1.8 getFullUrl()

```
string myOptions::getFullUrl ( )
getFullUrl
```

Returns

#### 2.7.1.9 isDisplay()

```
bool myOptions::isDisplay ( )
isDisplay
```

Returns

#### 2.7.1.10 readFromFile()

readFromFile

#### **Parameters**

fileName

The documentation for this class was generated from the following files:

- /home/sylvain/Documents/Travail/ajc-akkodis/formation/LinuxEmbarque/Projet/devel/AlrQualityWAtch/myoptions.
- /home/sylvain/Documents/Travail/ajc-akkodis/formation/LinuxEmbarque/Projet/devel/AlrQualityWAtch/myoptions. ← cpp

### 2.8 myParsing Class Reference

#### **Public Member Functions**

```
• myParsing ()
```

myParsing

• const json & getMyJson () const

getMyJson

void setMyJson (const json &newMyJson)

setMyJson

myParsing \* fromChar (char \*str)

fromChar

• string toString ()

toString

• myParsing \* fromFile (string fileName)

fromFile

• int toFile (myOptions \*options)

toFile

void appendToDatas (myOptions \*options)

appendToDatas

void appendFileToDatas (string fileName)

appendFileToDatas

const json fromDatasFile (myOptions \*options)

fromDatasFile

#### 2.8.1 Member Function Documentation

#### 2.8.1.1 appendFileToDatas()

appendFileToDatas

Do					
Pа	ra	m	eı	re.	rs

fileName

#### 2.8.1.2 appendToDatas()

#### append To Datas

**Parameters** 

options

#### 2.8.1.3 fromChar()

fromChar

**Parameters** 

str

Returns

#### 2.8.1.4 fromDatasFile()

fromDatasFile

**Parameters** 

options

Returns

#### 2.8.1.5 fromFile()

fromFile

**Parameters** 

fileName

Returns

#### 2.8.1.6 getMyJson()

```
const json & myParsing::getMyJson ( ) const
getMyJson
```

Returns

#### 2.8.1.7 setMyJson()

setMyJson

**Parameters** 

newMyJson

#### 2.8.1.8 toFile()

Returns

#### 2.8.1.9 toString()

```
string myParsing::toString ( )
toString
```

Returns

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- /home/sylvain/Documents/Travail/ajc-akkodis/formation/LinuxEmbarque/Projet/devel/AlrQualityWAtch/myparsing. ← cpp

## 2.9 myRegex Class Reference

```
The myRegex class.

#include <myregex.h>
```

#### **Public Member Functions**

myRegex ()myRegex

#### **Static Public Member Functions**

• static updatedAt ambeeDataGetDateTime (string updatedAtField)

ambeeDataGetDateTime

• static string toFormatDDMMYY (string updatedAtField)

toFormatDDMMYY

• static string toFormatHHMM (string updatedAtField)

toFormatHHMM

• static string toFormatDDMMYYHHMM (string updatedAtField)

toFormatDDMMYYHHMM

### 2.9.1 Detailed Description

The myRegex class.

#### 2.9.2 Member Function Documentation

#### 2.9.2.1 ambeeDataGetDateTime()

ambeeDataGetDateTime

**Parameters** 

updatedAtField

Returns

#### 2.9.2.2 toFormatDDMMYY()

toFormatDDMMYY

Parameters

updatedAtField

Returns

#### 2.9.2.3 toFormatDDMMYYHHMM()

#### toFormatDDMMYYHHMM

**Parameters** 

updatedAtField

Returns

#### 2.9.2.4 toFormatHHMM()

#### toFormatHHMM

**Parameters** 

updatedAtField

Returns

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  h
- /home/sylvain/Documents/Travail/ajc-akkodis/formation/LinuxEmbarque/Projet/devel/AlrQualityWAtch/myregex.
   cpp

## 2.10 response Struct Reference

#### **Public Attributes**

char \* memory

• size\_t size

The documentation for this struct was generated from the following file:

/home/sylvain/Documents/Travail/ajc-akkodis/formation/LinuxEmbarque/Projet/devel/AlrQualityWAtch/mycurl.
h

## 2.11 updatedAt Struct Reference

#### **Public Attributes**

- int year
- int month
- int day
- int hour
- int minute
- · int second

The documentation for this struct was generated from the following file:

/home/sylvain/Documents/Travail/ajc-akkodis/formation/LinuxEmbarque/Projet/devel/AlrQualityWAtch/myregex.
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