RunSession 1.0.0

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Chapter 1

Namespace Index

1	.1	Packages

Here are the packages with brief descriptions (if available):	
calendar	ç

2 Namespace Index

Chapter 2

Hierarchical Index

2.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

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calendar.AddWindowView	
alendar.Principal	16
alendar.RunEventFilter	
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alendar.SessionReadWriter	
alendar.Stats	
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Hierarchical Index

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Class Index

3.1 Class List

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calendar.JSONTransformer	
JSON transformer.	13
calendar.MainWindow	
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Chapter 4

File Index

4.1 File List

Here is a list of all files with brief descriptions:

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8 File Index

Chapter 5

Namespace Documentation

5.1 Package calendar

Classes

· class JSONTransformer

JSON transformer.

· class RunEventFilter

Run event filter.

class RunSession

RunSession.

- class SessionReadWriter
- class StatController
- interface Stats

Fachada is an interface that contains methods for getting statistics.

- interface Transformer
- class AddWindowView
- · class MainWindow

Main window represents the calendar UI

class Principal

Principal handles the main program

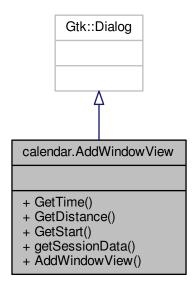
Names	pace	Docur	ment	ation

Chapter 6

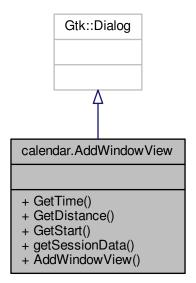
Class Documentation

6.1 calendar.AddWindowView Class Reference

Inheritance diagram for calendar.AddWindowView:



Collaboration diagram for calendar.AddWindowView:



Public Member Functions

- long GetTime ()
- · long GetDistance ()
- long GetStart ()
- void getSessionData ()
- AddWindowView (Gtk.Window main)

6.1.1 Constructor & Destructor Documentation

- 6.1.1.1 calendar.AddWindowView.AddWindowView (Gtk.Window main)
- 6.1.2 Member Function Documentation
- 6.1.2.1 long calendar.AddWindowView.GetDistance ()
- 6.1.2.2 void calendar.AddWindowView.getSessionData ()
- 6.1.2.3 long calendar.AddWindowView.GetStart ()
- 6.1.2.4 long calendar.AddWindowView.GetTime ()

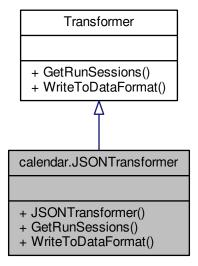
The documentation for this class was generated from the following files:

- View/AddWindowCore.cs
- View/AddWindowView.cs

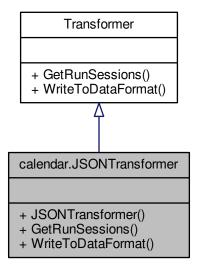
6.2 calendar. JSONTransformer Class Reference

JSON transformer.

Inheritance diagram for calendar. JSONTransformer:



 $Collaboration\ diagram\ for\ calendar. JSON Transformer:$



Public Member Functions

- JSONTransformer (string fn)
- List< RunSession > GetRunSessions ()

Converts a JSON file to a RunSession List.

void WriteToDataFormat (List< RunSession > lst)

Tos the json.

6.2.1 Detailed Description

JSON transformer.

6.2.2 Constructor & Destructor Documentation

6.2.2.1 calendar.JSONTransformer.JSONTransformer (string fn)

6.2.3 Member Function Documentation

6.2.3.1 List<RunSession> calendar.JSONTransformer.GetRunSessions ()

Converts a JSON file to a RunSession List.

Returns

The RunSessions.

Parameters

r	The reader.
---	-------------

Implements calendar. Transformer.

6.2.3.2 void calendar.JSONTransformer.WriteToDataFormat (List< RunSession > lst)

Tos the json.

Parameters

Ist Lst.

Implements calendar. Transformer.

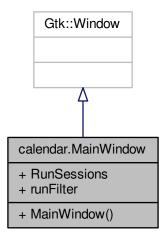
The documentation for this class was generated from the following file:

• Core/JSONTransformer.cs

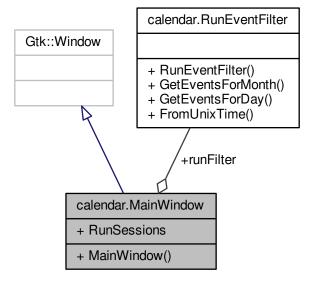
6.3 calendar.MainWindow Class Reference

Main window represents the calendar UI

Inheritance diagram for calendar.MainWindow:



Collaboration diagram for calendar.MainWindow:



Public Member Functions

MainWindow (List< RunSession > RunSessions, Transformer trans)

Public Attributes

- List< RunSession > RunSessions
- RunEventFilter runFilter

6.3.1 Detailed Description

Main window represents the calendar UI

- 6.3.2 Constructor & Destructor Documentation
- 6.3.2.1 calendar.MainWindow.MainWindow (List< RunSession > RunSessions, Transformer trans)
- 6.3.3 Member Data Documentation
- 6.3.3.1 RunEventFilter calendar.MainWindow.runFilter
- 6.3.3.2 List<RunSession> calendar.MainWindow.RunSessions

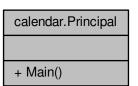
The documentation for this class was generated from the following files:

- View/MainWindowCore.cs
- View/MainWindowView.cs

6.4 calendar. Principal Class Reference

Principal handles the main program

Collaboration diagram for calendar. Principal:



Static Public Member Functions

• static void Main ()

6.4.1 Detailed Description

Principal handles the main program

6.4.2 Member Function Documentation

6.4.2.1 static void calendar.Principal.Main () [static]

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

View/Principal.cs

6.5 calendar.RunEventFilter Class Reference

Run event filter.

Collaboration diagram for calendar.RunEventFilter:

calendar.RunEventFilter

- + RunEventFilter()
- + GetEventsForMonth()
- + GetEventsForDay()
- + FromUnixTime()

Public Member Functions

- RunEventFilter (List< RunSession > RunSessions)
- List< RunSession > GetEventsForMonth (int month)

Gets the events for month.

List< RunSession > GetEventsForDay (int day)

Gets the events for day.

DateTime FromUnixTime (long unixTime)

Froms the unix time.

6.5.1 Detailed Description

Run event filter.

6.5.2 Constructor & Destructor Documentation

 $6.5.2.1 \quad {\it calendar.} \\ {\it RunEventFilter.} \\ {\it RunEventFilter.} \\ {\it Clist} \\ {\it C$

6.5.3 Member Function Documentation

6.5.3.1 DateTime calendar.RunEventFilter.FromUnixTime (long unixTime)

Froms the unix time.

The unix time.

Parameters

iv.Time a	Limits since
unix I ime	Unix time.

6.5.3.2 List<RunSession> calendar.RunEventFilter.GetEventsForDay (int day)

Gets the events for day.

Returns

The events for day.

Parameters

day	Day.

6.5.3.3 List<RunSession> calendar.RunEventFilter.GetEventsForMonth (int month)

Gets the events for month.

Returns

The events for month.

Parameters

month	Month.
-------	--------

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

Core/RunEventFilter.cs

6.6 calendar.RunSession Class Reference

RunSession.

Collaboration diagram for calendar.RunSession:

calendar.RunSession + Start + Duration + Distance

Properties

```
long Start [get, set]long Duration [get, set]long Distance [get, set]
```

6.6.1 Detailed Description

RunSession.

6.6.2 Property Documentation

```
6.6.2.1 long calendar.RunSession.Distance [get], [set]
6.6.2.2 long calendar.RunSession.Duration [get], [set]
6.6.2.3 long calendar.RunSession.Start [get], [set]
```

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

• Core/RunSession.cs

6.7 calendar.SessionReadWriter Class Reference

Collaboration diagram for calendar. Session Read Writer:

calendar.SessionReadWriter
+ Read()
+ ToJson()

Public Member Functions

• List< RunSession > Read (String fn)

Static Public Member Functions

static List< RunSession > ToJson (StreamReader r)

6.7.1 Member Function Documentation

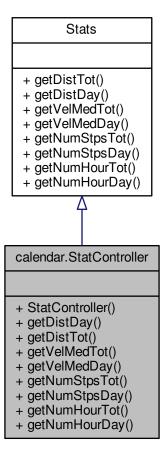
- 6.7.1.1 List<RunSession> calendar.SessionReadWriter.Read (String fn)
- **6.7.1.2** static List<RunSession> calendar.SessionReadWriter.ToJson(StreamReader r) [static]

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

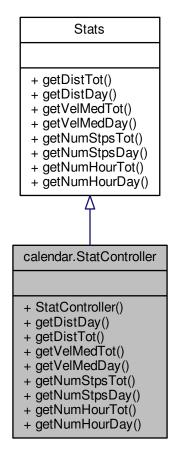
· Core/SessionReadWriter.cs

6.8 calendar.StatController Class Reference

Inheritance diagram for calendar. Stat Controller:



Collaboration diagram for calendar. Stat Controller:



Public Member Functions

- StatController (List< RunSession > list)
- String getDistDay (DateTime fecha)

Gets the dist day.

• String getDistTot ()

Gets the dist tot.

• String getVelMedTot ()

Gets the vel media.

• String getVelMedDay (DateTime fecha)

Gets the vel med day.

• String getNumStpsTot ()

Gets the number stps tot.

• String getNumStpsDay (DateTime fecha)

Gets the number stps day.

• String getNumHourTot ()

Calculate Total Num of Hours

String getNumHourDay (DateTime fecha)

Gets the number hour of this day.

6.8.1 Constructor & Destructor Documentation		
${\it 6.8.1.1 calendar.StatController.StatController (\ List < RunSession > \textit{list}\)}$		
6.8.2 Member Function Documentation		
6.8.2.1 String calendar.StatController.getDistDay (DateTime fecha)		
Gets the dist day.		
Returns		
The dist day.		
Parameters		
day Day.		
Implements calendar.Stats.		
6.8.2.2 String calendar.StatController.getDistTot ()		
Gets the dist tot.		
Returns		
The dist tot.		
Implements calendar.Stats.		
6.8.2.3 String calendar.StatController.getNumHourDay (DateTime fecha)		
Gets the number hour of this day.		
Returns		
The number hour of this day.		
Parameters		
day Day.		
Implements calendar.Stats.		
6.8.2.4 String calendar.StatController.getNumHourTot ()		
Calculate Total Num of Hours		
Returns		
The total number of hour .		
Implements calendar.Stats.		
6.8.2.5 String calendar.StatController.getNumStpsDay (DateTime fecha)		
Gets the number stps day.		

The number stps day.

Parameters

dav	Day.
,	-

Implements calendar. Stats.

6.8.2.6 String calendar.StatController.getNumStpsTot ()

Gets the number stps tot.

Returns

The number stps tot.

Implements calendar. Stats.

6.8.2.7 String calendar.StatController.getVelMedDay (DateTime fecha)

Gets the vel med day.

Returns

The vel med day.

Parameters

day	Day.

Implements calendar.Stats.

6.8.2.8 String calendar.StatController.getVelMedTot ()

Gets the vel media.

Returns

The vel med total on m/s.

Implements calendar. Stats.

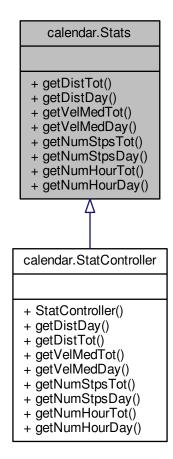
The documentation for this class was generated from the following file:

• Core/StatController.cs

6.9 calendar. Stats Interface Reference

Fachada is an interface that contains methods for getting statistics.

Inheritance diagram for calendar. Stats:



Collaboration diagram for calendar. Stats:

+ getDistTot() + getDistDay() + getVelMedTot() + getVelMedDay() + getNumStpsTot() + getNumStpsDay() + getNumHourTot() + getNumHourDay()

Public Member Functions

- String getDistTot ()
- String getDistDay (DateTime fecha)
- String getVelMedTot ()
- String getVelMedDay (DateTime fecha)
- String getNumStpsTot ()
- String getNumStpsDay (DateTime fecha)
- String getNumHourTot ()
- String getNumHourDay (DateTime fecha)

6.9.1 Detailed Description

Fachada is an interface that contains methods for getting statistics.

```
6.9.2 Member Function Documentation
```

```
6.9.2.1 String calendar.Stats.getDistDay ( DateTime fecha )
```

Implemented in calendar.StatController.

6.9.2.2 String calendar.Stats.getDistTot ()

Implemented in calendar.StatController.

6.9.2.3 String calendar.Stats.getNumHourDay (DateTime fecha)

Implemented in calendar.StatController.

6.9.2.4 String calendar.Stats.getNumHourTot ()

Implemented in calendar.StatController.

6.9.2.5 String calendar.Stats.getNumStpsDay (DateTime fecha)

Implemented in calendar.StatController.

6.9.2.6 String calendar.Stats.getNumStpsTot ()

Implemented in calendar.StatController.

 $6.9.2.7 \quad \text{String calendar.Stats.getVelMedDay (} \text{DateTime } \textit{fecha} \text{)}$

Implemented in calendar.StatController.

6.9.2.8 String calendar.Stats.getVelMedTot ()

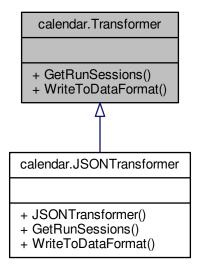
Implemented in calendar.StatController.

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

• Core/Stats.cs

6.10 calendar. Transformer Interface Reference

Inheritance diagram for calendar. Transformer:



Collaboration diagram for calendar. Transformer:

+ GetRunSessions()
+ WriteToDataFormat()

Public Member Functions

- List< RunSession > GetRunSessions ()
- void WriteToDataFormat (List< RunSession > lst)

6.10.1 Member Function Documentation

6.10.1.1 List<RunSession> calendar.Transformer.GetRunSessions ()

Implemented in calendar.JSONTransformer.

6.10.1.2 void calendar. Transformer. Write To Data Format (List < RunSession > lst)

Implemented in calendar.JSONTransformer.

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

• Core/Transformer.cs

Chapter 7

File Documentation

7.1 Core/JSONTransformer.cs File Reference

Classes

class calendar.JSONTransformer
 JSON transformer.

Namespaces

· package calendar

7.2 Core/Principal.cs File Reference

Namespaces

• package calendar

7.3 View/Principal.cs File Reference

Classes

• class calendar.Principal

Principal handles the main program

Namespaces

· package calendar

7.4 Core/RunEventFilter.cs File Reference

Classes

• class calendar.RunEventFilter

Run event filter.

30 File Documentation

Namespaces

· package calendar

7.5 Core/RunSession.cs File Reference

Classes

class calendar.RunSession
 RunSession.

Namespaces

· package calendar

7.6 Core/SessionReadWriter.cs File Reference

Classes

· class calendar.SessionReadWriter

Namespaces

· package calendar

7.7 Core/StatController.cs File Reference

Classes

· class calendar.StatController

Namespaces

· package calendar

7.8 Core/Stats.cs File Reference

Classes

• interface calendar.Stats

Fachada is an interface that contains methods for getting statistics.

Namespaces

· package calendar

7.9 Core/Transformer.cs File Reference

Classes

· interface calendar. Transformer

Namespaces

· package calendar

7.10 obj/x86/Debug/.NETFramework, Version=v4.5. Assembly Attribute.cs File Reference

7.11 View/AddWindowCore.cs File Reference

Classes

· class calendar.AddWindowView

Namespaces

· package calendar

7.12 View/AddWindowView.cs File Reference

Classes

· class calendar.AddWindowView

Namespaces

· package calendar

7.13 View/MainWindowCore.cs File Reference

Classes

· class calendar.MainWindow

Main window represents the calendar UI

Namespaces

· package calendar

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7.14 View/MainWindowCoreStats.cs File Reference

7.15 View/MainWindowView.cs File Reference

Classes

· class calendar.MainWindow

Main window represents the calendar UI

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· package calendar

7.16 View/MainWindowViewStats.cs File Reference

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