

kpiWebMvc

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Chapter 1

Namespace Index

1.1 Namespace List

Here is a list of all documented namespaces with brief descriptions:

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kpiMvcApi.Controllers Implementiert die Controller der Dashboard Api	7
kpiMvcApi.DataTransferObjects	8
kpiMvcApi.Models	8

Chapter 2

Hierarchical Index

2.1 Class Hierarchy

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

ApiController	
kpiMvcApi.Controllers.DiagramdataController	11
kpiMvcApi.Controllers.KpidataController	19
kpiMvcApi.Controllers.KpidataController	19
Controller	
kpiMvcApi.Controllers.ExportController	14
kpiMvcApi.Controllers.HomeController	16
kpiMvcApi.Controllers.HomeController	16
kpiMvcApi.DataTransferObjects.DataDto	9
kpiMvcApi.DataTransferObjects.DataDtoRs	9
DbContext	
kpiMvcApi.Models.kpidbEntities1	21
kpiMvcApi.Models.kpidbEntities1	21
kpiMvcApi.DataTransferObjects.DeliveryDataDto	10
kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs	10
kpiMvcApi.DataTransferObjects.DiagramdataDto	11
kpiMvcApi.DataTransferObjects.DiagramdataDtoRepo	11
kpiMvcApi.Models.eCountry	12
kpiMvcApi.Models.eDelivery	12
kpiMvcApi.Models.eKvp	12
kpiMvcApi.Models.eKvpClass	13
kpiMvcApi.Models.eKvpState	13
kpiMvcApi.Models.ePcbClass	13
kpiMvcApi.Models.ePcbDaily	13
kpiMvcApi.Models.ePcbGeneration	14
HttpApplication	
kpiMvcApi.Global	15
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kpiMvcApi.DataTransferObjects.KvpDataDto	22
kpiMvcApi.DataTransferObjects.KvpDataDtoRs	22
kpiMvcApi.DataTransferObjects.KvpDto	23
kpiMvcApi.DataTransferObjects.ProductionDataDto	23
kpiMvcApi.DataTransferObjects.ProductionDataDtoRs	25
kpiMvcApi.RouteConfig	27
kpiMvcApi.Models.SiteModel	28

Chapter 3

Class Index

3.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

kpiMvcApi.DataTransferObjects.DataDto	9
kpiMvcApi.DataTransferObjects.DataDtoRs	9
kpiMvcApi.DataTransferObjects.DeliveryDataDto	10
kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs	10
kpiMvcApi.Controllers.DiagramdataController	11
kpiMvcApi.DataTransferObjects.DiagramdataDto	11
kpiMvcApi.DataTransferObjects.DiagramdataDtoRepo	11
kpiMvcApi.Models.eCountry	12
kpiMvcApi.Models.eDelivery	12
kpiMvcApi.Models.eKvp	12
kpiMvcApi.Models.eKvpClass	13
kpiMvcApi.Models.eKvpState	13
kpiMvcApi.Models.ePcbClass	13
kpiMvcApi.Models.ePcbDaily	13
kpiMvcApi.Models.ePcbGeneration	14
kpiMvcApi.Controllers.ExportController	
Der Exportkontroller stellt den alle Dienste zur exportierung von Files zur Verfügung.	14
kpiMvcApi.Global	15
kpiMvcApi.Controllers.HomeController	
Webseite Controller Setllt die Views und die Partaialviews bereit	16
kpiMvcApi.Controllers.KpidataController	
This Controller contains all API GET POST PUT DELETE methods	19
kpiMvcApi.Models.kpidbEntities1	21
kpiMvcApi.DataTransferObjects.KvpDataDto	22
kpiMvcApi.DataTransferObjects.KvpDataDtoRs	22
kpiMvcApi.DataTransferObjects.KvpDto	23
kpiMvcApi.DataTransferObjects.ProductionDataDto	
Represents the Production data model Transfers the data between the WebFrontend and the Database Backend	23
kpiMvcApi.DataTransferObjects.ProductionDataDtoRs	
This Recordset stores a List of ProductionData Data transfer object It provides all Methods to read, write, update and delete date from databse It provides Methods to provides HTML data for the frontend	25
kpiMvcApi.RouteConfig	
Configuratuion für die Website	27
kpiMvcApi.Models.SiteModel	28

Chapter 4

Namespace Documentation

4.1 kpiMvcApi Namespace Reference

Namespaces

- namespace [Controllers](#)
Implementiert die Controller der Dashboard Api

Classes

- class [Global](#)
- class [RouteConfig](#)
Configuratuion für die Website
- class **WebApiConfig**
Konfiguration für die WebApi

4.2 kpiMvcApi.Controllers Namespace Reference

Implementiert die Controller der Dashboard Api

Classes

- class [DiagramdataController](#)
- class [ExportController](#)
Der Exportkontroller stellt den alle Dienste zur exportierung von Files zur Verfügung.
- class [HomeController](#)
Webseite Controller Setlt die Views und die Partaialviews bereit
- class [KpidataController](#)
This Controller contains all API GET POST PUT DELETE methods

4.2.1 Detailed Description

Implementiert die Controller der Dashboard Api

4.3 kpiMvcApi.DataTransferObjects Namespace Reference

Classes

- class [DataDto](#)
- class [DataDtoRs](#)
- class [DeliveryDataDto](#)
- class [DeliveryDataDtoRs](#)
- class [DiagramdataDto](#)
- class [DiagramdataDtoRepo](#)
- class [KvpDataDto](#)
- class [KvpDataDtoRs](#)
- class [KvpDto](#)
- class [ProductionDataDto](#)

Represents the Production data model Transfers the data between the WebFrontend and the Database Backend

- class [ProductionDataDtoRs](#)

This Recordset stores a List of ProductionData Data transfer object It provides all Methods to read, write, update and delete data from database It provides Methods to provides HTML data for the frontend

4.4 kpiMvcApi.Models Namespace Reference

Classes

- class [eCountry](#)
- class [eDelivery](#)
- class [eKvp](#)
- class [eKvpClass](#)
- class [eKvpState](#)
- class [ePcbClass](#)
- class [ePcbDaily](#)
- class [ePcbGeneration](#)
- class [kpidbEntities1](#)
- class [SiteModel](#)

Chapter 5

Class Documentation

5.1 kpiMvcApi.DataTransferObjects.DataDto Class Reference

Properties

- int **DiagramDataId** [get, set]
- string **DiagramDataLabel** [get, set]
- string **DiagramData** [get, set]

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

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/DataTransfer↔
Objects/DataDto.cs

5.2 kpiMvcApi.DataTransferObjects.DataDtoRs Class Reference

Public Types

- enum **charts** { **Testchart** = 1, **Debugchart** }

Public Member Functions

- List< [DataDto](#) > **genRandomisedData** (int len)

Properties

- List< [DataDto](#) > **DiagramDataRepo** [get, set]

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

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/DataTransfer↔
Objects/DataDtoRs.cs

5.3 kpiMvcApi.DataTransferObjects.DeliveryDataDto Class Reference

Properties

- int **DeliveryId** [get, set]
- DateTime **OrderDate** [get, set]
- int **OrderedPc** [get, set]
- int **DeliveredPc** [get, set]
- int **NotdeliveredPc** [get, set]
- float **NotdeliveredRel** [get, set]
- int **CountryId** [get, set]
- string **CountryName** [get, set]

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

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/DataTransfer↔
Objects/DeliveryDataDto.cs

5.4 kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs Class Reference

Public Types

- enum **dataset** { **Datalabels** = 0, **dataset1**, **dataset2** }
- enum **charttype** { **KvpMonthChart** = 0 }

Public Member Functions

- **DeliveryDataDtoRs** (DateTime startdate, DateTime stopdate)
- void **loadData** ()
- void **loadData** (DateTime startdate, DateTime stopdate)
- List< [DeliveryDataDto](#) > **getData** ()
- List< [DeliveryDataDto](#) > **getData** (DateTime startdate, DateTime stopdate)
- bool **setData** (List< [DeliveryDataDto](#) > deldto)
- string **getDataset** (charttype charttype, dataset dataset, string groupMode)
- List< [DeliveryDataDto](#) > **getKvpList** ()
- string **getDatasetLabel** ()
- string **getDatasetBackgroundColor** ()
- string **getChartTitle** ()
- int **getChartBorderWidth** ()

Properties

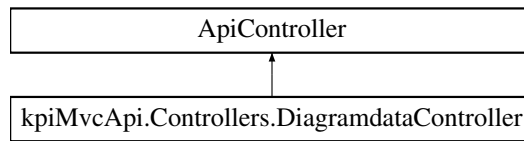
- List< [DeliveryDataDto](#) > **DeliveryDataRs** [get, set]

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

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/DataTransfer↔
Objects/DeliveryDataDtoRs.cs

5.5 kpiMvcApi.Controllers.DiagramdataController Class Reference

Inheritance diagram for kpiMvcApi.Controllers.DiagramdataController:



Public Member Functions

- IEnumerable< [DiagramdataDto](#) > **Get** (int? diagram)

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

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/obj/Debug/Package/↔ PackageTmp/Controllers/DiagramdataController.cs

5.6 kpiMvcApi.DataTransferObjects.DiagramdataDto Class Reference

Properties

- int **DiagramDataId** [get, set]
- string **DiagramDataLabel** [get, set]
- string **DiagramData** [get, set]

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

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/obj/Debug/Package/↔ PackageTmp/DataTransferObjects/DiagramdataDto.cs

5.7 kpiMvcApi.DataTransferObjects.DiagramdataDtoRepo Class Reference

Public Types

- enum **charts** { **Testchart** = 1, **Debugchart** }

Public Member Functions

- List< [DiagramdataDto](#) > **genRandomisedData** (int len)

Properties

- List< [DiagramdataDto](#) > **DiagramDataRepo** [get, set]

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

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/obj/Debug/Package/PackageTmp/DataTransferObjects/DiagramdataDtoRepo.cs

5.8 kpiMvcApi.Models.eCountry Class Reference

Properties

- int **countryId** [get, set]
- string **countryName** [get, set]
- virtual [eDelivery](#) **eDelivery** [get, set]

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

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/Models/eCountry.cs

5.9 kpiMvcApi.Models.eDelivery Class Reference

Properties

- int **deliveryId** [get, set]
- System.DateTime **orderDate** [get, set]
- int **orderedPc** [get, set]
- int **deliveredPc** [get, set]
- int **countryId** [get, set]
- virtual [eCountry](#) **eCountry** [get, set]
- Nullable<int> **notdeliveredPc** [get, set]
- Nullable<int> **notdeliveredRel** [get, set]

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

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/Models/eDelivery.cs

5.10 kpiMvcApi.Models.eKvp Class Reference

Properties

- int **kvpId** [get, set]
- string **kvpName** [get, set]
- System.DateTime **kvpDate** [get, set]
- int **kvpClassId** [get, set]
- int **kvpStatId** [get, set]
- virtual [eKvpClass](#) **eKvpClass** [get, set]
- virtual [eKvpState](#) **eKvpState** [get, set]

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

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/Models/eKvp.cs

5.11 kpiMvcApi.Models.eKvpClass Class Reference

Properties

- int **kvpClassId** [get, set]
- string **kvpClassName** [get, set]
- virtual ICollection< [eKvp](#) > **eKvps** [get, set]

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

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/Models/eKvpClass.cs

5.12 kpiMvcApi.Models.eKvpState Class Reference

Properties

- int **kvpStateId** [get, set]
- string **kvpStateName** [get, set]
- virtual ICollection< [eKvp](#) > **eKvps** [get, set]

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

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/Models/eKvpState.cs

5.13 kpiMvcApi.Models.ePcbClass Class Reference

Properties

- int **pcbClassId** [get, set]
- string **ClassName** [get, set]
- virtual ICollection< [ePcbDaily](#) > **ePcbDailies** [get, set]

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

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/Models/ePcbClass.cs

5.14 kpiMvcApi.Models.ePcbDaily Class Reference

Properties

- int **pcbDailyId** [get, set]
- System.DateTime **productionDay** [get, set]
- int **pcbQuantity** [get, set]
- decimal **pcbSumPrice** [get, set]
- int **pcbGenerationId** [get, set]
- int **pcbClassId** [get, set]
- virtual [ePcbClass](#) **ePcbClass** [get, set]
- virtual [ePcbGeneration](#) **ePcbGeneration** [get, set]

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

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/Models/ePcbDaily.cs

5.15 kpiMvcApi.Models.ePcbGeneration Class Reference

Properties

- int **pcbGenerationId** [get, set]
- string **genName** [get, set]
- virtual ICollection< [ePcbDaily](#) > **ePcbDailies** [get, set]

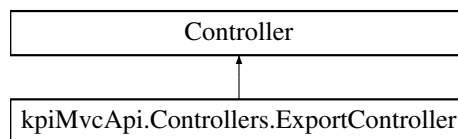
The documentation for this class was generated from the following file:

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/Models/ePcbGeneration.cs

5.16 kpiMvcApi.Controllers.ExportController Class Reference

Der Exportkontroller stellt den alle Dienste zur exportierung von Files zur Verfügung.

Inheritance diagram for kpiMvcApi.Controllers.ExportController:



Public Member Functions

- ActionResult [ProdDataToExcel](#) ()
Nimmt daten aus dem Production Data Data Transfer Object Recordset Bindet die Daten in eine Gridview Exportiert die Daten in eine Excell.xls
- ActionResult [KvpDataToExcel](#) ()
Nimmt daten aus dem Kvp Data Data Transfer Object Recordset Bindet die Daten in eine Gridview Exportiert die Daten in eine Excell.xls
- ActionResult [DeliveryToExcel](#) ()
Nimmt daten aus dem Deliovery Data Data Transfer Object Recordset Bindet die Daten in eine Gridview Exportiert die Daten in eine Excell.xls

5.16.1 Detailed Description

Der Exportkontroller stellt den alle Dienste zur exportierung von Files zur Verfügung.

5.16.2 Member Function Documentation

5.16.2.1 DeliveryToExcel()

```
ActionResult kpiMvcApi.Controllers.ExportController.DeliveryToExcel ( ) [inline]
```

Nimmt daten aus dem Deliovery Data Data Transfer Object Recordset Bindet die Daten in eine Gridview Exportiert die Daten in eine Excell.xls

Returns

View() Excell .xls File

5.16.2.2 KvpDataToExcel()

```
ActionResult kpiMvcApi.Controllers.ExportController.KvpDataToExcel ( ) [inline]
```

Nimmt daten aus dem Kvp Data Data Transfer Object Recordset Bindet die Daten in eine Gridview Exportiert die Daten in eine Excell.xls

Returns

View() Excell .xls File

5.16.2.3 ProdDataToExcel()

```
ActionResult kpiMvcApi.Controllers.ExportController.ProdDataToExcel ( ) [inline]
```

Nimmt daten aus dem Production Data Data Transfer Object Recordset Bindet die Daten in eine Gridview Exportiert die Daten in eine Excell.xls

Returns

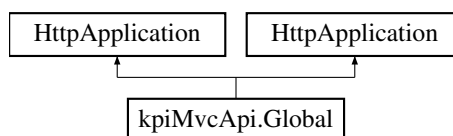
View() Excell .xls File

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

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/Controllers/ExportController.cs

5.17 kpiMvcApi.Global Class Reference

Inheritance diagram for kpiMvcApi.Global:



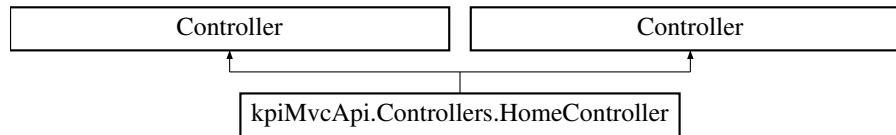
The documentation for this class was generated from the following file:

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/Global.aspx.cs

5.18 kpiMvcApi.Controllers.HomeController Class Reference

Webseite Controller Setllt die Views und die Partaialviews bereit

Inheritance diagram for kpiMvcApi.Controllers.HomeController:



Public Member Functions

- ActionResult [Index](#) ()
Test Webseite um Funktionen zu testen
- ActionResult [Frame](#) ()
Das Dashboard Fenster
- ActionResult [Home](#) ()
Das Home Fenster
- ActionResult [UserLogin](#) ()
Das User Login Fenster Returns the View to login a User
- ActionResult [ProductionData](#) (string startDate, string stopDate)
Das Production Data Fenster Versucht einen Date String in eine DateTime Class zu arsen Der Datensatz wird über diese Datumswerte gefiltert Für nicht gültige Datumswerte wird ein standarddatum von 1.1.18 bis zum aktuellen Tag gewählt
- ActionResult [Kvp](#) (string startDate, string stopDate)
The KVP View Tries to parse the Date Strings to DateTime Class The Data is filtered by these Parameters For nonvalid Dates the Standarddate will be loaded
- ActionResult [Delivery](#) (string startDate, string stopDate)
The Delivery View Tries to parse the Date Strings to DateTime Class The Data is filtered by these Parameters For nonvalid Dates the Standarddate will be loaded
- ActionResult **Index** ()
- ActionResult **ExportToExcel** ()
- ActionResult **Frame** ()
- ActionResult **Home** (string startDate, string stopDate)
- ActionResult **UserLogin** ()
- ActionResult **ProductionData** (string startDate, string stopDate)
- ActionResult **QualityData** ()
- ActionResult **Oee** ()

5.18.1 Detailed Description

Webseite Controller Setllt die Views und die Partaialviews bereit

5.18.2 Member Function Documentation

5.18.2.1 Delivery()

```
ActionResult kpiMvcApi.Controllers.HomeController.Delivery (
    string startDate,
    string stopDate ) [inline]
```

The Delivery View Tries to parse the Date Strings to DateTime Class The Data is filtered by these Parameters For nonvalid Dates the Standarddate will be loaded

Parameters

<i>startDate</i>	
<i>stopDate</i>	

Returns

`PartialView("_Delivery", model);` The View Containing all selected Delivery Data, shown as a diagram and a Table. Also provide an Excell export function

5.18.2.2 Frame()

```
ActionResult kpiMvcApi.Controllers.HomeController.Frame ( ) [inline]
```

Das Dashboard Fenster

Returns

`ActionResult FrameView` Gibt die FrameView zurück. Diese Beinhaltet die Sidebar und die Menueleiste.

5.18.2.3 Home()

```
ActionResult kpiMvcApi.Controllers.HomeController.Home ( ) [inline]
```

Das Home Fenster

Returns

`ActionResult _HomeView` Gibt die HomeView als Partielle View zurück. Diese Beinhaltet die übersicht über Verfügbare Dashboards

5.18.2.4 Index()

```
ActionResult kpiMvcApi.Controllers.HomeController.Index ( ) [inline]
```

Test Webseite um Funktionen zu testen

Returns

`ActionResult IndexView` Die Index View

5.18.2.5 Kvp()

```
ActionResult kpiMvcApi.Controllers.HomeController.Kvp (
    string startDate,
    string stopDate ) [inline]
```

The KVP View Tries to parse the Date Strings to DateTime Class The Data is filtered by these Parameters For nonvalid Dates the Standarddate will be loaded

Parameters

<i>startDate</i>	
<i>stopDate</i>	

Returns

`PartialView("_Kvp", model);` The View Containing all selected KVP Data, shown as a diagram and a List. Also provide an Excell export function

5.18.2.6 ProductionData()

```
ActionResult kpiMvcApi.Controllers.HomeController.ProductionData (
    string startDate,
    string stopDate ) [inline]
```

Das Production Data Fenster Versucht einen Date String in eine DateTime Class zu arsen Der Datensatz wird über diese Datumswerte gefiltert Für nicht gültige Datumswerte wird ein standarddatum von 1.1.18 bis zum aktuellen Tag gewählt

Parameters

<i>startDate</i>	The Date the Dataset starts
<i>stopDate</i>	The Date the Dataset stops

Returns

`ActionResult PartialView("_ProductionData", model);` The View containing all selected Production Date, shown as a diagram and a table. Also provide an Excell export function

5.18.2.7 UserLogin()

```
ActionResult kpiMvcApi.Controllers.HomeController.UserLogin ( ) [inline]
```

Das User Login Fenster Returns the View to login a User

Returns

`ActionResult _UserLoginView` Gibt die _UserLoginView als Partielle View zurück. Diese Beinhaltet die Funktion um den User einzuloggen

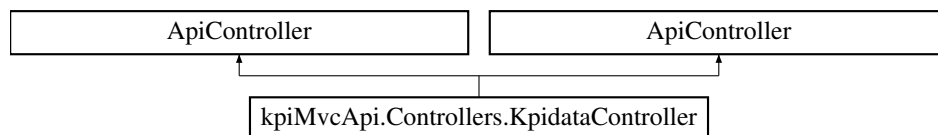
The documentation for this class was generated from the following file:

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/Controllers/HomeController.cs

5.19 kpiMvcApi.Controllers.KpidataController Class Reference

This Controller contains all API GET POST PUT DELETE methods

Inheritance diagram for kpiMvcApi.Controllers.KpidataController:



Public Member Functions

- `List< ProductionDataDto > getProductionData ()`
Returns the Production Data from 1.1.2018 till the actual Date
- `List< ProductionDataDto > getProductionData (int id)`
- `List< ProductionDataDto > getProductionData (string startDate, string stopDate)`
- `HttpResponseMessage setProductionData (List< ProductionDataDto > prodDataList)`
- `HttpResponseMessage updateProductionData (List< ProductionDataDto > prodDataList)`
- `HttpResponseMessage deleteProductionData (List< ProductionDataDto > prodDataList)`
- `List< KvpDataDto > getKvpData ()`
- `HttpResponseMessage setKvpData (List< KvpDataDto > kvpDataList)`
- `HttpResponseMessage updateKvpData (List< KvpDataDto > kvpDataList)`
- `HttpResponseMessage deleteKvpData (List< KvpDataDto > kvpId)`
- `List< DeliveryDataDto > getDeliveryData ()`
- `HttpResponseMessage setDeliveryData (List< DeliveryDataDto > deliveryDataList)`
- `HttpResponseMessage updateDeliveryData (List< DeliveryDataDto > deliveryDataList)`
- `HttpResponseMessage deleteDeliveryData (List< DeliveryDataDto > deliveryDataList)`
- `List< ProductionDataDto > getProductionData ()`
- `HttpResponseMessage setProductionData (List< ProductionDataDto > prodDataList)`

5.19.1 Detailed Description

This Controller contains all API GET POST PUT DELETE methods

5.19.2 Member Function Documentation

5.19.2.1 `getProductionData()` [1/3]

```
List<ProductionDataDto> kpiMvcApi.Controllers.KpidataController.getProductionData ( ) [inline]
```

Returns the Production Data from 1.1.2018 till the actual Date

Returns

Returns JSON data in the format:

```
[
  {
    "PcbDailyId": 7,
    "ProductionDay": "2018-01-09T00:00:00",
    "PcbQuantity": 512345,
    "PcbSumPrice": 5123456,
    "PcbGenerationId": 3,
    "PcbClassId": 0,
    "PcbGenerationName": null,
    "PcbClassName": null
  },
  {
    "PcbDailyId": 8,
    "ProductionDay": "2018-01-09T00:00:00",
    "PcbQuantity": 512345,
    "PcbSumPrice": 5123456,
    "PcbGenerationId": 3,
    "PcbClassId": 0,
    "PcbGenerationName": null,
    "PcbClassName": null
  }
]
```

5.19.2.2 `getProductionData()` [2/3]

```
List<ProductionDataDto> kpiMvcApi.Controllers.KpidataController.getProductionData (
    int id ) [inline]
```

Parameters

<i>id</i>	Sets the Dataid
-----------	-----------------

Returns

5.19.2.3 `getProductionData()` [3/3]

```
List<ProductionDataDto> kpiMvcApi.Controllers.KpidataController.getProductionData (
    string startDate,
    string stopDate ) [inline]
```

Parameters

<i>startDate</i>	
<i>stopDate</i>	

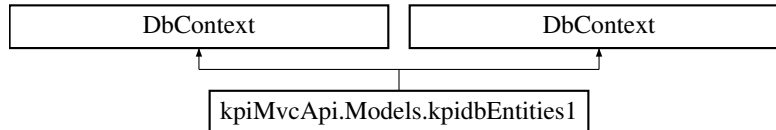
Returns

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

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/Controllers/KpidataController.cs

5.20 kpiMvcApi.Models.kpidbEntities1 Class Reference

Inheritance diagram for kpiMvcApi.Models.kpidbEntities1:



Protected Member Functions

- override void **OnModelCreating** (DbModelBuilder modelBuilder)
- override void **OnModelCreating** (DbModelBuilder modelBuilder)

Properties

- virtual DbSet< [ePcbClass](#) > **ePcbClasses** [get, set]
- virtual DbSet< [ePcbDaily](#) > **ePcbDailies** [get, set]
- virtual DbSet< [ePcbGeneration](#) > **ePcbGenerations** [get, set]
- virtual DbSet< [eKvp](#) > **eKvps** [get, set]
- virtual DbSet< [eKvpClass](#) > **eKvpClasses** [get, set]
- virtual DbSet< [eKvpState](#) > **eKvpStates** [get, set]
- virtual DbSet< [eCountry](#) > **eCountries** [get, set]
- virtual DbSet< [eDelivery](#) > **eDeliveries** [get, set]

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

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/Models/azureKpiData.Context.cs

5.21 kpiMvcApi.DataTransferObjects.KvpDataDto Class Reference

Properties

- int **KvpId** [get, set]
- string **KvpName** [get, set]
- DateTime **KvpDate** [get, set]
- int **KvpClassId** [get, set]
- int **KvpStatId** [get, set]
- string **KvpStateName** [get, set]
- string **KvpClassName** [get, set]

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

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/DataTransfer↔ Objects/KvpDataDto.cs

5.22 kpiMvcApi.DataTransferObjects.KvpDataDtoRs Class Reference

Public Types

- enum **dataset** { **Datalabels** = 0, **dataset1** }
- enum **charttype** { **KvpMonthChart** =0 }

Public Member Functions

- **KvpDataDtoRs** (DateTime startdate, DateTime stopdate)
- void **loadData** ()
- void **loadData** (DateTime startdate, DateTime stopdate)
- List< [KvpDataDto](#) > **getData** ()
- List< [KvpDataDto](#) > **getData** (DateTime startdate, DateTime stopdate)
- bool **setData** (List< [KvpDataDto](#) > kvpdto)
- string **getDataset** (charttype charttype, dataset dataset, string groupMode)
- List< [KvpDataDto](#) > **getKvpList** ()
- string **getDatasetLabel** ()
- string **getDatasetBackgroundColor** ()
- string **getChartTitle** ()
- int **getChartBorderWidth** ()

Properties

- List< [KvpDataDto](#) > **KvpDataRs** [get, set]

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

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/DataTransfer↔ Objects/KvpDataDtoRs.cs

5.23 kpiMvcApi.DataTransferObjects.KvpDto Class Reference

Properties

- DateTime **ProductionDay** [get, set]
- int **PcbQuantity** [get, set]
- Decimal **PcbSumPrice** [get, set]
- int **PcbGenerationId** [get, set]
- int **PcbClassId** [get, set]
- string **PcbGenerationName** [get, set]
- string **PcbClassName** [get, set]

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

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/obj/Debug/Package/↔ PackageTmp/DataTransferObjects/KvpDataDto.cs

5.24 kpiMvcApi.DataTransferObjects.ProductionDataDto Class Reference

Represents the Production data model Transfers the data between the WebFrontend and the Database Backend

Properties

- int **PcbDailyId** [get, set]
Dataset Id
- DateTime **ProductionDay** [get, set]
The DateTime from the Data
- int **PcbQuantity** [get, set]
The Pcb quantity
- Decimal **PcbSumPrice** [get, set]
*The sum of the pcb price, Price * PcbQuantity*
- int **PcbGenerationId** [get, set]
The generation Id of the produced pcbs
- int **PcbClassId** [get, set]
The class Id of the produced pcbs
- string **PcbGenerationName** [get, set]
The PcbGenerationName of the produced pcbs
- string **PcbClassName** [get, set]
The PcbClassName of the produced pcbs

5.24.1 Detailed Description

Represents the Production data model Transfers the data between the WebFrontend and the Database Backend

5.24.2 Property Documentation

5.24.2.1 PcbClassId

```
int kpiMvcApi.DataTransferObjects.ProductionDataDto.PcbClassId [get], [set]
```

The class Id of the produced pcbs

5.24.2.2 PcbClassName

```
string kpiMvcApi.DataTransferObjects.ProductionDataDto.PcbClassName [get], [set]
```

The PcbClassName of the produced pcbs

5.24.2.3 PcbDailyId

```
int kpiMvcApi.DataTransferObjects.ProductionDataDto.PcbDailyId [get], [set]
```

Dataset Id

5.24.2.4 PcbGenerationId

```
int kpiMvcApi.DataTransferObjects.ProductionDataDto.PcbGenerationId [get], [set]
```

The generation Id of the produced pcbs

5.24.2.5 PcbGenerationName

```
string kpiMvcApi.DataTransferObjects.ProductionDataDto.PcbGenerationName [get], [set]
```

The PcbGenerationName of the produced pcbs

5.24.2.6 PcbQuantity

```
int kpiMvcApi.DataTransferObjects.ProductionDataDto.PcbQuantity [get], [set]
```

The Pcb quantity

5.24.2.7 PcbSumPrice

```
Decimal kpiMvcApi.DataTransferObjects.ProductionDataDto.PcbSumPrice [get], [set]
```

The sum of the pcb price, Price * PcbQuantity

5.24.2.8 ProductionDay

```
DateTime kpiMvcApi.DataTransferObjects.ProductionDataDto.ProductionDay [get], [set]
```

The DateTime from the Data

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

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/DataTransferObjects/ProductionDataDto.cs

5.25 kpiMvcApi.DataTransferObjects.ProductionDataDtoRs Class Reference

This Recordset stores a List of ProductionData Data transfer object It provides all Methods to read, write, update and delete data from database It provides Methods to provides HTML data for the frontend

Public Types

- enum **dataset** { **Datalabels** = 0, **dataset1**, **Datalabels** = 0, **dataset1** }
- enum **charttype** { **Prolinechart** = 0, **Quantitychart**, **Prolinechart** =0 }
- enum **dataset** { **Datalabels** = 0, **dataset1**, **Datalabels** = 0, **dataset1** }
- enum **charttype** { **Prolinechart** = 0, **Quantitychart**, **Prolinechart** =0 }

Public Member Functions

- **ProductionDataDtoRs** (int id)
- **ProductionDataDtoRs** (DateTime startdate, DateTime stopdate)
- void **loadData** ()
- void **loadData** (DateTime startdate, DateTime stopdate)
- void **loadData** (int id)
- List< [ProductionDataDto](#) > **getData** ()
 - Get all Data From [ProductionDataDto](#)*
- bool **setData** (List< [ProductionDataDto](#) > ppdto)
- string **getDataset** (charttype charttype, dataset dataset, string filter)
- string **getDatasetLabel** ()
- string **getDatasetBackgroundColor** ()
- string **getChartTitle** ()
- int **getChartBorderWidth** ()
- string **getChartHeigh** ()
- string **getChartWidth** ()
- **ProductionDataDtoRs** (DateTime startdate, DateTime stopdate)
- void **loadData** ()
- void **loadData** (DateTime startdate, DateTime stopdate)
- List< [ProductionDataDto](#) > **getData** ()
- List< [ProductionDataDto](#) > **getData** (DateTime startdate, DateTime stopdate)
- bool **setData** (List< [ProductionDataDto](#) > ppdto)
- string **getDataset** (charttype charttype, dataset dataset)
- string **getDataset** ()
- string **getChartLabels** ()
- string **getDatasetLabel** ()
- string **getDatasetBackgroundColor** ()
- string **getChartTitle** ()
- int **getChartBorderWidth** ()
- string **getChartHeigh** ()
- string **getChartWidth** ()

Properties

- List< [ProductionDataDto](#) > [ProductionDataRs](#) [get, set]
 - A List of ProductionData Data Transfer Object This List is loaded at construction and represent the actual Dataset*

5.25.1 Detailed Description

This Recordset stores a List of ProductionData Data transfer object It provides all Methods to read, write, update and delete data from database It provides Methods to provides HTML data for the frontend

5.25.2 Member Function Documentation

5.25.2.1 getData()

```
List<ProductionDataDto> kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.getData ( ) [inline]
```

Get all Data From [ProductionDataDto](#)

Returns

5.25.3 Property Documentation

5.25.3.1 ProductionDataRs

```
List< ProductionDataDto > kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.ProductionDataRs  
[get], [set]
```

A List of ProductionData Data Transfer Object This List is loaded at construction and represent the actual Dataset

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

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/DataTransfer↔
Objects/ProductionDataDtoRs.cs

5.26 kpiMvcApi.RouteConfig Class Reference

Configuratuion für die Website

Static Public Member Functions

- static void [RegisterRoutes](#) (RouteCollection routes)
Setup der Routen id als optionalen wert Bsp. id? int =1 Registrieren der Startup View "Frame"
- static void **RegisterRoutes** (RouteCollection routes)

5.26.1 Detailed Description

Configuratuion für die Website

5.26.2 Member Function Documentation

5.26.2.1 RegisterRoutes()

```
static void kpiMvcApi.RouteConfig.RegisterRoutes (  
    RouteCollection routes ) [inline], [static]
```

Setup der Routen id als optionalen wert Bsp. id? int =1 Registrieren der Startup View "Frame"

Parameters

<i>routes</i>	
---------------	--

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

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/App_Start/Route↵
Config.cs

5.27 kpiMvcApi.Models.SiteModel Class Reference

Properties

- string **SiteName** [get, set]

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

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/Models/SiteModel.cs