
Проект по: CSCB025 Практика по програмиране и
по реализация на бази данни

Уеб сайт за автоматизирана обработка на климатични данни

Техническа документация

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Речник на термините

| Съкращение | Дефиниция |
|-----------------------|--|
| Abstract class | A class that cannot be instantiated or in other words it is not possible to create an object of this class type. |
| Anonymous method | A C# method without a name. |
| ASP.NET | A framework developed by Microsoft for web development. |
| ASP.NET CORE | One of the Microsoft frameworks for web development that follows MVC pattern (see the term MVC). |
| Brand | Different branches of Company X operated in different countries. |
| Class | A combination of variables of different types, methods, properties and events to make custom data type. |
| CSS | Also known as Cascading Style Sheets that is used for styling web pages. |
| Bootstrap | An open source toolkit for developing with HTML, CSS, and JS. |
| Entity Framework Core | An open source Object Relational Mapper framework for ADO.NET which is part of .NET Framework. |
| JS | Short form of JavaScript that is generally used for making dynamic web pages. |
| LINQ | A library in .NET framework to query different types of data objects. |
| Lambda expression | Advanced way of writing anonymous methods. |
| MVC | A pattern (in computer science) for developing software that allows developers to create abstractions by keeping different layers completely separate. MVC stands for "Model"- "View"- "Controller". |
| Razor (View Engine) | A syntax for generating web pages dynamically where .NET supported programming languages can simultaneously work with mark-up languages (see also the View Engine term). |

| | |
|-------------|---|
| Repository | A central location, most often in a server, for the original files. |
| JQuery | A fast, small, and feature-rich JavaScript library. |
| View Engine | A way of putting markup languages so that it can interact with server side code. |
| AJAX | A set of Web development techniques using many Web technologies on client side to create asynchronous Web applications. |

Индекс на Пространствата на имената

Пакети

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

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| MeteoApp.Models.AdminViewModels | 9 |
| MeteoApp.Models.HomeViewModels | 9 |
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| MeteoApp.Views | 10 |
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| Microsoft | 10 |
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Йерархичен индекс

Йерархия на класовете

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

| | |
|--|----|
| MeteoApp.Models.AdminViewModels.AddStationWeightsViewModel | 11 |
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| MeteoApp.Common.Constants | 13 |
| Controller | |
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| IdentityDbContext | |

| | |
|--|----|
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| MeteoApp.Services.MainService | 16 |
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| MockServer | 18 |
| MeteoApp.Models.HomeViewModels.NewStationDataViewModel | 18 |
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| MeteoApp.Models.AccountViewModels.ResetPasswordViewModel | 19 |
| MeteoApp.Models.ManageViewModels.SetPasswordViewModel | 19 |
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| MeteoApp.Data.Models.Test | 21 |
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Азбучен указател на класовете

Класове

Кратко описание

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

| | |
|---|----|
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| MeteoApp.Models.AdminViewModels.AddStationWeightsViewModel | 12 |
| MeteoApp.Controllers.AdminController | 12 |
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| MeteoApp.Controllers.HomeController | 15 |
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| MeteoApp.Models.ManageViewModels.IndexViewModel | 15 |
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| MeteoApp.Models.AccountViewModels.LoginWithRecoveryCodeViewModel | 16 |
| MeteoApp.Services.MainService | 16 |
| MeteoApp.Controllers.ManageController | 17 |
| MeteoApp.Data.MeteoDataDbContext | 17 |
| MeteoApp.Data.Models.MeteoReport | 17 |
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| MeteoApp.Models.AccountViewModels.RegisterViewModel | 19 |
| MeteoApp.Models.ManageViewModels.RemoveLoginViewModel | 19 |
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| MeteoApp.Models.ManageViewModels.SetPasswordViewModel | 19 |
| MeteoApp.Models.ManageViewModels.ShowRecoveryCodesViewModel | 19 |
| MeteoApp.Startup | 19 |
| MeteoApp.Data.Models.Station | 20 |
| MeteoApp.Data.Models.StationAvailabilityPeriod | 20 |
| MeteoApp.Data.Models.StationWeight | 20 |
| MeteoApp.Models.AdminViewModels.StationWeightViewModel | 20 |
| MeteoApp.Data.Models.Test (Example class containing possible queries to the different data sets in order to get the data from DB. Still, needs to be divided in separated classes.) | 21 |
| MeteoApp.Models.ManageViewModels.TwoFactorAuthenticationViewModel | 21 |
| MeteoApp.Data.UserDbContext | 21 |

Namespace Documentation

MeteoApp Namespace Reference

Namespaces

Classes

- class **Program**
- class **RoleManager**
- class **Startup**

MeteoApp.Common Namespace Reference

Classes

- class **Constants**

MeteoApp.Controllers Namespace Reference

Classes

- class **AccountController**
- class **AdminController**
- class **HomeController**
- class **ManageController**

MeteoApp.Data Namespace Reference

Namespaces

Classes

- class **DBMeteoInitializer**
- class **MeteoDataDBContext**
- class **UserDbContext**

MeteoApp.Data.Models Namespace Reference

Namespaces

Classes

- class **DayWeatherData**
- class **MeteoReport**
- class **Station**
- class **StationAvailabilityPeriod**
- class **StationWeight**
- class **Test**

Example class containing possible queries to the different data sets in order to get the data from DB. Still, needs to be divided in separated classes.

MeteoApp.Data.Models.Base Namespace Reference

Classes

- class **DbModel**

MeteoApp.Models Namespace Reference

Namespaces

Classes

- class **ApplicationUser**

- class **ErrorViewModel**

MeteoApp.Models.AccountViewModels Namespace Reference

Classes

- class **ExternalLoginViewModel**
- class **ForgotPasswordViewModel**
- class **LoginViewModel**
- class **LoginWith2faViewModel**
- class **LoginWithRecoveryCodeViewModel**
- class **RegisterViewModel**
- class **ResetPasswordViewModel**

MeteoApp.Models.AdminViewModels Namespace Reference

Classes

- class **AddStationWeightsViewModel**
- class **CreateStationAvailabilityViewModel**
- class **CreateStationViewModel**
- class **DatePeriodModel**
- class **StationWeightViewModel**

MeteoApp.Models.HomeViewModels Namespace Reference

Classes

- class **NewStationDataViewModel**

MeteoApp.Models.ManageViewModels Namespace Reference

Classes

- class **ChangePasswordViewModel**
- class **EnableAuthenticatorViewModel**
- class **ExternalLoginsViewModel**
- class **IndexViewModel**
- class **RemoveLoginViewModel**
- class **SetPasswordViewModel**
- class **ShowRecoveryCodesViewModel**
- class **TwoFactorAuthenticationViewModel**

MeteoApp.Services Namespace Reference

Classes

- class **EmailSender**
- class **EmailSenderExtensions**
- interface **IEmailSender**
- class **MainService**

[MeteoApp.Views Namespace Reference](#)

Namespaces

[MeteoApp.Views.Manage Namespace Reference](#)

Classes

- class **ManageNavPages**

[Microsoft Namespace Reference](#)

Namespaces

[Microsoft.AspNetCore Namespace Reference](#)

Namespaces

[Microsoft.AspNetCore.Mvc Namespace Reference](#)

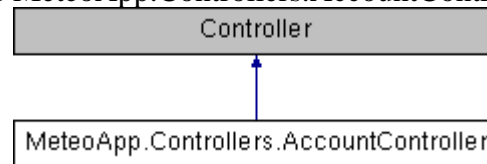
Classes

- class **UrlHelperExtensions**

Class Documentation

MeteoApp.Controllers.AccountController Class Reference

Inheritance diagram for MeteoApp.Controllers.AccountController:



Public Member Functions

- **AccountController** (userManager< **ApplicationUser** > userManager, signInManager< **ApplicationUser** > signInManager, **IEmailSender** emailSender, ILogger< **AccountController** > logger)
- async Task< IActionResult > **Login** (string returnUrl=null)
- async Task< IActionResult > **Login** (**LoginViewModel** model, string returnUrl=null)
- async Task< IActionResult > **LoginWith2fa** (bool rememberMe, string returnUrl=null)
- async Task< IActionResult > **LoginWith2fa** (**LoginWith2faViewModel** model, bool rememberMe, string returnUrl=null)
- async Task< IActionResult > **LoginWithRecoveryCode** (string returnUrl=null)
- async Task< IActionResult > **LoginWithRecoveryCode** (**LoginWithRecoveryCodeViewModel** model, string returnUrl=null)
- IActionResult **Lockout** ()
- IActionResult **Register** (string returnUrl=null)
- async Task< IActionResult > **Register** (**RegisterViewModel** model, string returnUrl=null)
- async Task< IActionResult > **Logout** ()
- IActionResult **ExternalLogin** (string provider, string returnUrl=null)
- async Task< IActionResult > **ExternalLoginCallback** (string returnUrl=null, string remoteError=null)
- async Task< IActionResult > **ExternalLoginConfirmation** (**ExternalLoginViewModel** model, string returnUrl=null)
- async Task< IActionResult > **ConfirmEmail** (string userId, string code)
- IActionResult **ForgotPassword** ()
- async Task< IActionResult > **ForgotPassword** (**ForgotPasswordViewModel** model)
- IActionResult **ForgotPasswordConfirmation** ()
- IActionResult **ResetPassword** (string code=null)
- async Task< IActionResult > **ResetPassword** (**ResetPasswordViewModel** model)
- IActionResult **ResetPasswordConfirmation** ()
- IActionResult **AccessDenied** ()

Properties

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

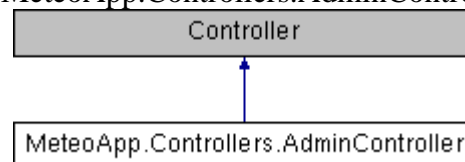
MeteoApp.Models.AdminViewModels.AddStationWeightsViewModel Class Reference

Properties

- **DateTime From** [get, set]
- **DateTime To** [get, set]
- **ICollection< StationWeightViewModel > StationWeights** [get, set]

MeteoApp.Controllers.AdminController Class Reference

Inheritance diagram for MeteoApp.Controllers.AdminController:



Public Member Functions

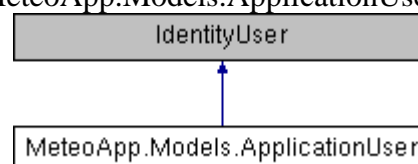
- **IActionResult Index** ()
- **IActionResult AddStation** ()
- **IActionResult AddStation** (**CreateStationViewModel** stationToAdd)
- **IActionResult AddWeights** ()
- **IActionResult AddWeights** (**AddStationWeightsViewModel** weightData)
- **IActionResult AddAvailabilityPeriod** ()
- **IActionResult AddAvailabilityPeriod** (**CreateStationAvailabilityViewModel** availabilityPeriod)

Public Attributes

- **const string STATION_NAME_INVALID** = "Invalid station name."
- **const string STATION_ALREADY_EXISTS** = "Station already exists."
- **const string INVALID_WEIGHT_SUM** = "The sum of weights must be equal to 1."
- **const string START_CANNOT_BE_AFTER_END** = "The interval start cannot be after the interval end."
- **const string STATION_DOES_NOT_EXIST** = "Station does not exist."

MeteoApp.Models.ApplicationUser Class Reference

Inheritance diagram for MeteoApp.Models.ApplicationUser:



MeteoApp.Models.ManageViewModels.ChangePasswordViewModel Class Reference

Properties

- **string OldPassword** [get, set]
- **string NewPassword** [get, set]
- **string ConfirmPassword** [get, set]
- **string StatusMessage** [get, set]

MeteoApp.Common.Constants Class Reference

Public Attributes

- const string **AdminId** = "admin@internal.com"
- const decimal **MONTHLY_TEMPERATURE_NORM** = 20.0M
- const decimal **MONTHLY_PRECIPITATION_NORM** = 80.0M

MeteoApp.Models.AdminViewModels.CreateStationAvailabilityViewModel Class Reference

Properties

- IEnumerable< SelectListItem > **StationNames** [get, set]
- string **StationName** [get, set]
- DateTime **From** [get, set]
- DateTime **To** [get, set]

MeteoApp.Models.AdminViewModels.CreateStationViewModel Class Reference

Properties

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

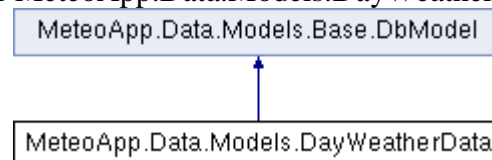
MeteoApp.Models.AdminViewModels.DatePeriodModel Class Reference

Properties

- DateTime **StartDate** [get, set]
- DateTime **EndDate** [get, set]

MeteoApp.Data.Models.DayWeatherData Class Reference

Inheritance diagram for MeteoApp.Data.Models.DayWeatherData:



Properties

- DateTime **Date** [get, set]
- decimal **Temperature** [get, set]
- decimal **Precipitation** [get, set]
- decimal **Wind** [get, set]
- int **ThunderCount** [get, set]
- virtual int **StationId** [get, set]
- virtual **Station** **Station** [get, set]

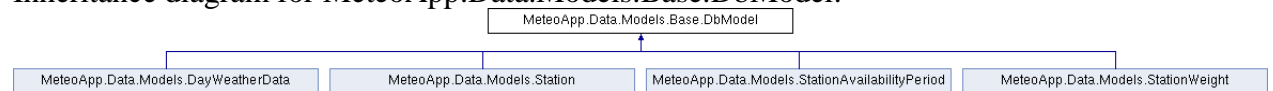
MeteoApp.Data.DBMeteoInitializer Class Reference

Static Public Member Functions

- static void **Initialize** (**MeteoDataDBContext** context)

MeteoApp.Data.Models.Base.DbModel Class Reference

Inheritance diagram for MeteoApp.Data.Models.Base.DbModel:

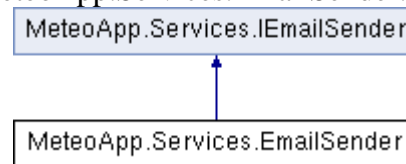


Properties

- int **Id** [get, set]
- DateTime **AddedOn** [get, set]
- DateTime **ChangedOn** [get, set]

MeteoApp.Services.EmailSender Class Reference

Inheritance diagram for MeteoApp.Services.EmailSender:



Public Member Functions

- Task **SendEmailAsync** (string email, string subject, string message)

MeteoApp.Models.ManageViewModels.EnableAuthenticatorViewModel Class Reference

Properties

- string **Code** [get, set]
- string **SharedKey** [get, set]
- string **AuthenticatorUri** [get, set]

MeteoApp.Models.ErrorViewModel Class Reference

Public Attributes

- bool **ShowRequestId** => !string.IsNullOrEmpty(RequestId)

Properties

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

MeteoApp.Models.ManageViewModels.ExternalLoginsViewModel Class Reference

Properties

- IList< UserLoginInfo > **CurrentLogins** [get, set]
- IList< AuthenticationScheme > **OtherLogins** [get, set]
- bool **ShowRemoveButton** [get, set]
- string **StatusMessage** [get, set]

MeteoApp.Models.AccountViewModels.ExternalLoginViewModel Class Reference

Properties

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

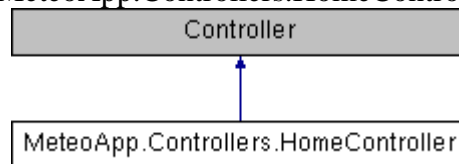
[MeteoApp.Models.AccountViewModels.ForgotPasswordViewModel Class Reference](#)

Properties

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

[MeteoApp.Controllers.HomeController Class Reference](#)

Inheritance diagram for `MeteoApp.Controllers.HomeController`:



Public Member Functions

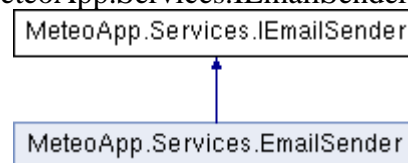
- IActionResult **Index** ()
- IActionResult **GetStationsReportForPeriod** (**DatePeriodModel** datePeriod)
- IActionResult **GetStationsReportForPeriod** ()
- IActionResult **GetGlobalReport** (**DatePeriodModel** datePeriod)
- IActionResult **GetGlobalReport** ()
- IActionResult **About** ()
- IActionResult **Contact** ()
- IActionResult **Error** ()
- IActionResult **AddStationData** ()
- IActionResult **AddStationData** (**NewStationDataViewModel** stationData)

Public Attributes

- const string **STATION_DOES_NOT_EXIST** = "Station does not exist."

[MeteoApp.Services.IEmailSender Interface Reference](#)

Inheritance diagram for `MeteoApp.Services.IEmailSender`:



Public Member Functions

- Task **SendEmailAsync** (string email, string subject, string message)

[MeteoApp.Models.ManageViewModels.IndexViewModel Class Reference](#)

Properties

- string **Username** [get, set]
- bool **IsEmailConfirmed** [get, set]
- string **Email** [get, set]
- string **PhoneNumber** [get, set]
- string **StatusMessage** [get, set]

[MeteoApp.Models.AccountViewModels.LoginViewModel Class Reference](#)

Properties

- string **Email** [get, set]
- string **Password** [get, set]
- bool **RememberMe** [get, set]

MeteoApp.Models.AccountViewModels.LoginWith2faViewModel Class Reference

Properties

- string **TwoFactorCode** [get, set]
- bool **RememberMachine** [get, set]
- bool **RememberMe** [get, set]

MeteoApp.Models.AccountViewModels.LoginWithRecoveryCodeViewModel Class Reference

Properties

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

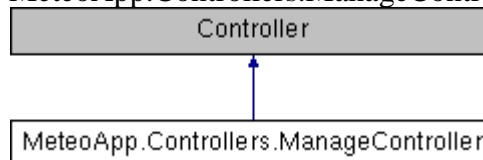
MeteoApp.Services.MainService Class Reference

Public Member Functions

- ICollection< **StationAvailabilityPeriod** > **GetAvailablePeriodsForStationRange** (DateTime from, DateTime to, **Station** station)
- ICollection< **MeteoReport** > **GetMeteoReportData** (DateTime from, DateTime to, decimal normTemperature, decimal normPrecipitation)
- **MeteoReport** **GetMeteoReportDataGlobally** (DateTime from, DateTime to, decimal normTemperature, decimal normPrecipitation)
- ICollection< **StationAvailabilityPeriod** > **GetAvailablePeriodsForStationRange** (DateTime from, DateTime to, **Station** station)
- ICollection< **MeteoReport** > **GetMeteoReportData** (DateTime from, DateTime to, decimal normTemperature, decimal normPrecipitation)
- **MeteoReport** **GetMeteoReportDataGlobally** (DateTime from, DateTime to, decimal normTemperature, decimal normPrecipitation)

MeteoApp.Controllers.ManageController Class Reference

Inheritance diagram for MeteoApp.Controllers.ManageController:



Public Member Functions

- **ManageController** (userManager< **ApplicationUser** > userManager, SignInManager< **ApplicationUser** > signInManager, **IEmailSender** emailSender, ILogger< **ManageController** > logger, UrlEncoder urlEncoder)
- async Task< IActionResult > **Index** ()
- async Task< IActionResult > **Index** (**IndexViewModel** model)
- async Task< IActionResult > **SendVerificationEmail** (**IndexViewModel** model)
- async Task< IActionResult > **ChangePassword** ()
- async Task< IActionResult > **ChangePassword** (**ChangePasswordViewModel** model)
- async Task< IActionResult > **SetPassword** ()
- async Task< IActionResult > **SetPassword** (**SetPasswordViewModel** model)
- async Task< IActionResult > **ExternalLogins** ()
- async Task< IActionResult > **LinkLogin** (string provider)
- async Task< IActionResult > **LinkLoginCallback** ()
- async Task< IActionResult > **RemoveLogin** (**RemoveLoginViewModel** model)
- async Task< IActionResult > **TwoFactorAuthentication** ()
- async Task< IActionResult > **Disable2faWarning** ()
- async Task< IActionResult > **Disable2fa** ()
- async Task< IActionResult > **EnableAuthenticator** ()

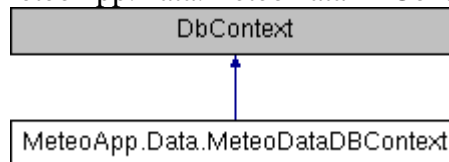
- async Task< IActionResult > **EnableAuthenticator** (**EnableAuthenticatorViewModel** model)
- IActionResult **ShowRecoveryCodes** ()
- IActionResult **ResetAuthenticatorWarning** ()
- async Task< IActionResult > **ResetAuthenticator** ()
- async Task< IActionResult > **GenerateRecoveryCodesWarning** ()
- async Task< IActionResult > **GenerateRecoveryCodes** ()

Properties

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

MeteoApp.Data.MeteoDataDBContext Class Reference

Inheritance diagram for MeteoApp.Data.MeteoDataDBContext:



Public Member Functions

- **MeteoDataDBContext** (DbContextOptions< **MeteoDataDBContext** > options)
- override int **SaveChanges** ()

Protected Member Functions

- override void **OnConfiguring** (DbContextOptionsBuilder optionsBuilder)

Properties

- DbSet< **Station** > **Stations** [get, set]
- DbSet< **DayWeatherData** > **DaysData** [get, set]
- DbSet< **StationAvailabilityPeriod** > **StationsAvailabilityPeriods** [get, set]
- DbSet< **StationWeight** > **StationsWeights** [get, set]

MeteoApp.Data.Models.MeteoReport Class Reference

Public Member Functions

- **MeteoReport** (int stationId, String stationName, decimal temperatureAvg, decimal temperatureDeviation, decimal temperatureMax, DateTime temperatureMaxDate, decimal temperatureMin, DateTime temperatureMinDate, decimal precipitationSum, decimal precipitationAgainstNorm, decimal precipitationMax, DateTime precipitationMaxDate, int dayCountPrecipitationBiggerThan1, int dayCountPrecipitationBiggerThan10, int dayCountWindBiggerThan14, int dayCountThunders)

Properties

- int **StationId** [get, set]
- String **StationName** [get, set]
- decimal **TemperatureAvg** [get, set]
- decimal **TemperatureDeviation** [get, set]
- decimal **TemperatureMax** [get, set]
- DateTime **TemperatureMaxDate** [get, set]
- decimal **TemperatureMin** [get, set]
- DateTime **TemperatureMinDate** [get, set]
- decimal **PrecipitationSum** [get, set]
- decimal **PrecipitationAgainstNorm** [get, set]
- decimal **PrecipitationMax** [get, set]
- DateTime **PrecipitationMaxDate** [get, set]
- int **DayCountPrecipitationBiggerThan1** [get, set]
- int **DayCountPrecipitationBiggerThan10** [get, set]
- int **DayCountWindBiggerThan14** [get, set]
- int **DayCountThunders** [get, set]

MockServer Class Reference

Public Member Functions

- **respond** (stdClass \$req)

Protected Member Functions

- **contentType** (\$req)
- **wait** (\$req)
- **name** (\$req)
- **xml** (\$req)
- **atom** (\$req)
- **script** (\$req)
- **testbar** (\$req)
- **json** (\$req)
- **jsonp** (\$req)
- **xmlOverJsonp** (\$req)
- **error** (\$req)
- **headers** (\$req)
- **echoData** (\$req)
- **echoQuery** (\$req)
- **echoMethod** (\$req)
- **echoHtml** (\$req)
- **etag** (\$req)
- **ims** (\$req)
- **status** (\$req)
- **testHTML** (\$req)
- **cspFrame** (\$req)
- **cspLog** (\$req)
- **cspClean** (\$req)

Detailed Description

Keep in sync with /test/middleware-mockserver.js

MeteoApp.Models.HomeViewModels.NewStationDataViewModel Class Reference

Properties

- IEnumerable< SelectListItem > **StationNames** [get, set]
- DateTime **Date** [get, set]
- decimal **Temperature** [get, set]
- decimal **Precipitation** [get, set]
- decimal **Wind** [get, set]
- int **ThunderCount** [get, set]
- string **StationName** [get, set]

MeteoApp.Program Class Reference

Static Public Member Functions

- static void **Main** (string[] args)
- static IWebHost **BuildWebHost** (string[] args)

MeteoApp.Models.AccountViewModels.RegisterViewModel Class Reference

Properties

- string **Email** [get, set]
- string **Password** [get, set]
- string **ConfirmPassword** [get, set]

MeteoApp.Models.ManageViewModels.RemoveLoginViewModel Class Reference

Properties

- string **LoginProvider** [get, set]
- string **ProviderKey** [get, set]

MeteoApp.Models.AccountViewModels.ResetPasswordViewModel Class Reference

Properties

- string **Email** [get, set]
- string **Password** [get, set]
- string **ConfirmPassword** [get, set]
- string **Code** [get, set]

MeteoApp.Models.ManageViewModels.SetPasswordViewModel Class Reference

Properties

- string **NewPassword** [get, set]
- string **ConfirmPassword** [get, set]
- string **StatusMessage** [get, set]

MeteoApp.Models.ManageViewModels.ShowRecoveryCodesViewModel Class Reference

Properties

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

MeteoApp.Startup Class Reference

Public Member Functions

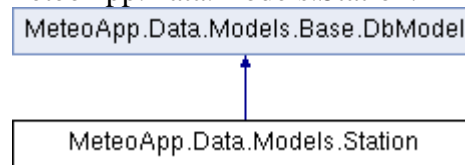
- **Startup** (IConfiguration configuration)
- void **ConfigureServices** (IServiceCollection services)
- void **Configure** (IApplicationBuilder app, IHostingEnvironment env, IServiceProvider services)

Properties

- IConfiguration **Configuration** [get]

MeteoApp.Data.Models.Station Class Reference

Inheritance diagram for MeteoApp.Data.Models.Station:

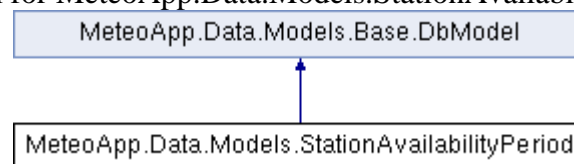


Properties

- string **Name** [get, set]
- virtual ICollection< **DayWeatherData** > **StationData** [get, set]
- virtual ICollection< **StationWeight** > **StationWeights** [get, set]
- virtual ICollection< **StationAvailabilityPeriod** > **StationAvailabilityPeriods** [get, set]

MeteoApp.Data.Models.StationAvailabilityPeriod Class Reference

Inheritance diagram for MeteoApp.Data.Models.StationAvailabilityPeriod:

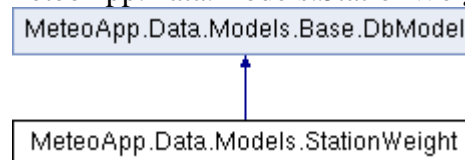


Properties

- DateTime **From** [get, set]
- DateTime **To** [get, set]
- virtual int **StationId** [get, set]
- virtual **Station Station** [get, set]

MeteoApp.Data.Models.StationWeight Class Reference

Inheritance diagram for MeteoApp.Data.Models.StationWeight:



Properties

- decimal **Weight** [get, set]
- DateTime **From** [get, set]
- DateTime **To** [get, set]
- virtual int **StationId** [get, set]
- virtual **Station Station** [get, set]

MeteoApp.Models.AdminViewModels.StationWeightViewModel Class Reference

Properties

- int **StationId** [get, set]
- string **StationName** [get, set]
- decimal **StationWeight** [get, set]

MeteoApp.Data.Models.Test Class Reference

Example class containing possible queries to the different data sets in order to get the data from DB. Still, needs to be divided in separated classes.

Public Member Functions

- `ICollection< StationAvailabilityPeriod > GetAvailablePeriodsForRange (DateTime start, DateTime end)`
- `ICollection< StationWeight > GetStationWeightsForPeriod (DateTime start, DateTime end, ICollection< StationAvailabilityPeriod > availPeriods)`
- `ICollection< DayWeatherData > GetWeatherDataFromWeight (StationWeight stationWeight)`

Detailed Description

Example class containing possible queries to the different data sets in order to get the data from DB. Still, needs to be divided in separated classes.

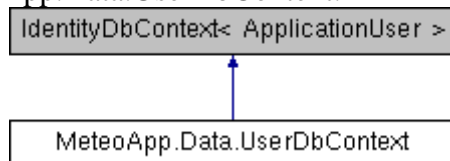
MeteoApp.Models.ManageViewModels.TwoFactorAuthenticationViewModel Class Reference

Properties

- `bool HasAuthenticator [get, set]`
- `int RecoveryCodesLeft [get, set]`
- `bool Is2faEnabled [get, set]`

MeteoApp.Data.UserDbContext Class Reference

Inheritance diagram for `MeteoApp.Data.UserDbContext`:



Public Member Functions

- `UserDbContext (DbContextOptions< UserDbContext > options)`

Protected Member Functions

- `override void OnModelCreating (ModelBuilder builder)`