

Planer Tras GOT PTTK

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# Chapter 1

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## Chapter 5

# Namespace Documentation

### 5.1 GOTPlaner Namespace Reference

#### Classes

- class `Program`
- class `Startup`
- class `WebApiConfig`

### 5.2 GOTPlaner.Areas Namespace Reference

### 5.3 GOTPlaner.Areas.Identity Namespace Reference

#### Classes

- class `IdentityHostingStartup`

### 5.4 GOTPlaner.Areas.Identity.Pages Namespace Reference

### 5.5 GOTPlaner.Areas.Identity.Pages.Account Namespace Reference

#### Classes

- class `LoginModel`
- class `LogoutModel`
- class `RegisterModel`

### 5.6 GOTPlaner.Controllers Namespace Reference

#### Classes

- class `HomeController`

## 5.7 GOTPlaner.Controllers.Admin Namespace Reference

### Classes

- class `SegmentController`

## 5.8 GOTPlaner.Controllers.API Namespace Reference

### Classes

- class `MountainRangesRestController`
- class `SegmentsRestController`
- class `TouristPointsController`
- class `ToursRestController`

## 5.9 GOTPlaner.Controllers.Leader Namespace Reference

### Classes

- class `TourVerificationsController`

## 5.10 GOTPlaner.Controllers.User Namespace Reference

### Classes

- class `ToursController`

## 5.11 GOTPlaner.Data Namespace Reference

### Classes

- class `GotContext`
- class `MyIdentityInitializer`

## 5.12 GOTPlaner.Models Namespace Reference

### Classes

- class **Badge**
- class **BadgeType**
- class **CloseSegment**
- class **CustomDateValidator**
- class **ElementType**
- class **ErrorViewModel**
- class **Leader**
- class **LeaderPermission**
- class **MountainGroup**
- class **MountainRange**
- class **Segment**
- class **SegmentCross**
- class **Tour**
- class **Tourist**
- class **TouristPoint**
- class **ToursPointInfo**
- class **TourVerification**
- class **TourVerificationStatus**

### Enumerations

- enum **BadgeType** { **Popularna** = 1 , **MalaBrazowa** = 2 , **MalaSrebrna** = 3 , **MalaZlota** = 4 }
- enum **ElementType** { **SystemType** = 1 , **UserType** = 2 }
- enum **MountainGroup** { **Sudety** = 1 , **GorySwietokrzyskie** = 2 , **BeskidyWschodnie** = 3 , **BeskidyZachodnie** = 4 , **TatryIPodtatrze** = 5 }
- enum **MountainRange** { **PogorzeCiechowickie** = 1 , **BeskidNiskiWschod** = 2 , **BeskidNiskiZachod** = 3 , **Bieszczady** = 4 , **PogorzeStryzowskoDynowskie** = 5 , **PogorzePrzemyskie** = 6 }
- enum **TourVerificationStatus** { **Zgloszona** = 1 , **Zaakceptowana** = 2 , **Odrzucona** = 3 , **DoPonownegoRozpatrzenia** = 4 }

## 5.13 GOTPlaner.Models.DTO Namespace Reference

### Classes

- class **MountainRangeDto**
- class **TouristPointDto**
- class **TourItemDto**

## 5.14 GOTPlaner.Service Namespace Reference

### Classes

- interface **ITourService**
- class **TourService**

## 5.15 GOTPlaner.ViewModels Namespace Reference

### Classes

- class `CreateSegmentViewModel`



## Chapter 6

# Class Documentation

### 6.1 GOTPlaner.Models.Badge Class Reference

#### Properties

- int **ID** [get, set]
- BadgeTypeId **BadgeTypeId** [get, set]
- BadgeType **BadgeType** [get, set]
- Tourist **Tourist** [get, set]
- DateTime **ReceivalDate** [get, set]

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

- Models/Badge.cs

### 6.2 GOTPlaner.Models.BadgeType Class Reference

#### Properties

- BadgeTypeId **BadgeTypeId** [get, set]
- string **Name** [get, set]
- IEnumerable< **Badge** > **Badges** [get, set]
- IEnumerable< **Tour** > **Tours** [get, set]

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

- Models/BadgeType.cs

## 6.3 GOTPlaner.Models.CloseSegment Class Reference

### Properties

- int **ID** [get, set]
- **Segment Segment** [get, set]
- DateTime **ClosedDate** [get, set]
- Nullable< DateTime > **OpenDate** [get, set]
- string **Reason** [get, set]

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

- Models/CloseSegment.cs

## 6.4 GOTPlaner.ViewModels.CreateSegmentViewModel Class Reference

### Properties

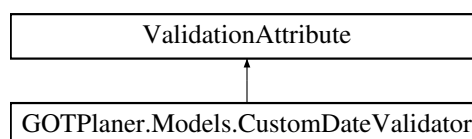
- **Segment Segment** [get, set]
- string **PointA** [get, set]
- string **PointB** [get, set]
- int **PointsAB** [get, set]
- int **PointsBA** [get, set]
- int **LevelDifferenceSum** [get, set]
- int **NumberOfKilometers** [get, set]
- IEnumerable< **MountainRange** > **MountainRanges** [get, set]
- MountainRangeId **MountainRangeAId** [get, set]
- MountainRangeId **MountainRangeBId** [get, set]
- bool **IsSegmentAlreadyInASystem** [get, set]
- bool **AreTouristPointsTheSame** [get, set]

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

- ViewModels/CreateSegmentViewModel.cs

## 6.5 GOTPlaner.Models.CustomDateValidator Class Reference

Inheritance diagram for GOTPlaner.Models.CustomDateValidator:



### Public Member Functions

- override string **FormatErrorMessage** (string name)

### Protected Member Functions

- override ValidationResult **IsValid** (object objValue, ValidationContext validationContext)

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

- Models/CustomDateValidator.cs

## 6.6 GOTPlanner.Models.ElementType Class Reference

### Properties

- ElementTypeId **ElementTypeId** [get, set]
- string **Name** [get, set]
- IEnumerable< **Segment** > **Segments** [get, set]

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

- Models/ElementType.cs

## 6.7 GOTPlanner.Models.ErrorViewModel Class Reference

### Properties

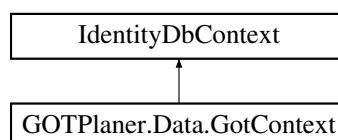
- string **RequestId** [get, set]
- bool **ShowRequestId** [get]

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

- Models/ErrorViewModel.cs

## 6.8 GOTPlanner.Data.GotContext Class Reference

Inheritance diagram for GOTPlanner.Data.GotContext:



## Public Member Functions

- **GotContext** (DbContextOptions< **GotContext** > options)

## Protected Member Functions

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

## Properties

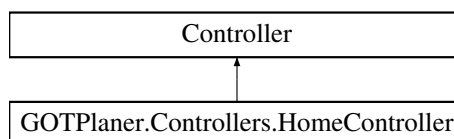
- DbSet< **Badge** > **Badges** [get, set]
- DbSet< **BadgeType** > **BadgeTypes** [get, set]
- DbSet< **CloseSegment** > **CloseSegments** [get, set]
- DbSet< **ElementType** > **ElementTypes** [get, set]
- DbSet< **Leader** > **Leaders** [get, set]
- DbSet< **LeaderPermission** > **LeaderPermissions** [get, set]
- DbSet< **MountainGroup** > **MountainGroups** [get, set]
- DbSet< **MountainRange** > **MountainRanges** [get, set]
- DbSet< **Segment** > **Segments** [get, set]
- DbSet< **SegmentCross** > **SegmentCrosses** [get, set]
- DbSet< **Tour** > **Tours** [get, set]
- DbSet< **Tourist** > **Tourists** [get, set]
- DbSet< **TouristPoint** > **TouristPoints** [get, set]
- DbSet< **TourVerification** > **TourVerifications** [get, set]
- DbSet< **TourVerificationStatus** > **TourVerificationStatuses** [get, set]

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

- Data/GotContext.cs

## 6.9 GOTPlaner.Controllers.HomeController Class Reference

Inheritance diagram for GOTPlaner.Controllers.HomeController:



## Public Member Functions

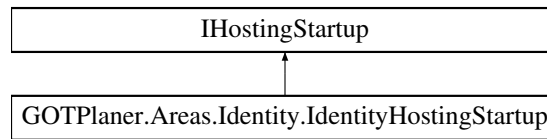
- **HomeController** (ILogger< **HomeController** > logger)
- IActionResult **Index** ()
- IActionResult **Privacy** ()
- IActionResult **Error** ()

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

- Controllers/HomeController.cs

## 6.10 GOTPlaner.Areas.Identity.IdentityHostingStartup Class Reference

Inheritance diagram for GOTPlaner.Areas.Identity.IdentityHostingStartup:



### Public Member Functions

- void **Configure** (IWebHostBuilder builder)

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

- Areas/Identity/IdentityHostingStartup.cs

## 6.11 GOTPlaner.Areas.Identity.Pages.Account.LoginModel.InputModel Class Reference

### Properties

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

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

- Areas/Identity/Pages/Account/Login.cshtml.cs

## 6.12 GOTPlaner.Service.ITourService Interface Reference

### Public Member Functions

- void **BuildTour** ()

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

- Service/ITourService.cs

## 6.13 GOTPlaner.Models.Leader Class Reference

### Properties

- string **Email** [get, set]
- string **FirstName** [get, set]
- string **LastName** [get, set]
- DateTime **BirthDate** [get, set]
- bool **Disability** [get, set]
- int **IDCard** [get, set]
- IEnumerable< **TourVerification** > **TourVerifications** [get, set]
- IEnumerable< **LeaderPermission** > **LeaderPermissions** [get, set]

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

- Models/Leader.cs

## 6.14 GOTPlaner.Models.LeaderPermission Class Reference

### Properties

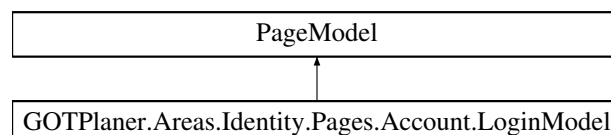
- int **ID** [get, set]
- **Leader Leader** [get, set]
- MountainGroupId **MountainGroupId** [get, set]
- **MountainGroup MountainGroup** [get, set]

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

- Models/LeaderPermission.cs

## 6.15 GOTPlaner.Areas.Identity.Pages.Account.LoginModel Class Reference

Inheritance diagram for GOTPlaner.Areas.Identity.Pages.Account.LoginModel:



### Classes

- class **InputModel**

## Public Member Functions

- **LoginModel** (SignInManager< IdentityUser > signInManager, ILogger< **LoginModel** > logger, UserManager< IdentityUser > userManager)
- async Task **OnGetAsync** (string returnUrl=null)
- async Task< IActionResult > **OnPostAsync** (string returnUrl=null)

## Properties

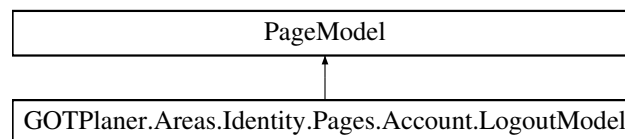
- **InputModel** **Input** [get, set]
- IList< AuthenticationScheme > **ExternalLogins** [get, set]
- string **ReturnUrl** [get, set]
- string **ErrorMessage** [get, set]

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

- Areas/Identity/Pages/Account/Login.cshtml.cs

## 6.16 GOTPlaner.Areas.Identity.Pages.Account.LogoutModel Class Reference

Inheritance diagram for GOTPlaner.Areas.Identity.Pages.Account.LogoutModel:



## Public Member Functions

- **LogoutModel** (SignInManager< IdentityUser > signInManager, ILogger< **LogoutModel** > logger)
- void **OnGet** ()
- async Task< IActionResult > **OnPost** (string returnUrl=null)

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

- Areas/Identity/Pages/Account/Logout.cshtml.cs

## 6.17 GOTPlaner.Models.MountainGroup Class Reference

## Properties

- MountainGroupId **MountainGroupId** [get, set]
- string **Name** [get, set]
- IEnumerable< **LeaderPermission** > **LeaderPermissions** [get, set]

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

- Models/MountainGroup.cs

## 6.18 GOTPlaner.Models.MountainRange Class Reference

### Properties

- MountainRangeId **MountainRangeId** [get, set]
- string **Name** [get, set]

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

- Models/MountainRange.cs

## 6.19 GOTPlaner.Models.DTO.MountainRangeDto Class Reference

### Properties

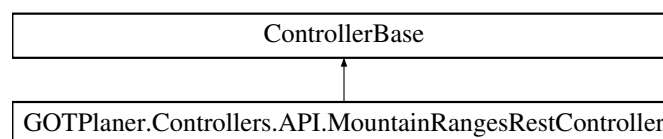
- MountainRangeId **MountainRangeId** [get, set]
- string **Name** [get, set]

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

- Models/DTO/MountainRangeDto.cs

## 6.20 GOTPlaner.Controllers.API.MountainRangesRestController Class Reference

Inheritance diagram for GOTPlaner.Controllers.API.MountainRangesRestController:



### Public Member Functions

- MountainRangesRestController** ( **GotContext** context)
- async Task< List< **MountainRangeDto** > > **GetMountainRanges** ()

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

- Controllers/API/MountainRangesRestController.cs



## 6.21 GOTPlaner.Data.MyIdentityInitializer Class Reference

### Static Public Member Functions

- static void **SeedData** (userManager< IdentityUser > userManager, RoleManager< IdentityRole > roleManager)
- static void **SeedRoles** (RoleManager< IdentityRole > roleManager)
- static void **SeedOneUser** (userManager< IdentityUser > userManager, string name, string password, string role=null, string role2=null)
- static void **SeedUsers** (userManager< IdentityUser > userManager)

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

- Data/MyIdentityInitializer.cs

## 6.22 GOTPlaner.Program Class Reference

### Static Public Member Functions

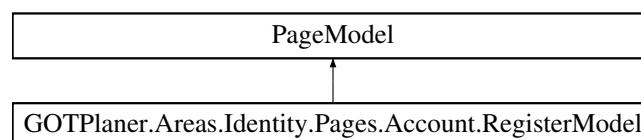
- static void **Main** (string[] args)
- static IHostBuilder **CreateHostBuilder** (string[] args)

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

- Program.cs

## 6.23 GOTPlaner.Areas.Identity.Pages.Account.RegisterModel Class Reference

Inheritance diagram for GOTPlaner.Areas.Identity.Pages.Account.RegisterModel:



### Public Member Functions

- **RegisterModel** (userManager< IdentityUser > userManager, SignInManager< IdentityUser > signInManager, ILogger< RegisterModel > logger, IEmailSender emailSender, **GotContext** context)
- async Task **OnGetAsync** (string returnUrl=null)
- async Task< IActionResult > **OnPostAsync** (string returnUrl=null)

## Properties

- **Tourist** **Tourist** [get, set]
- string **ReturnUrl** [get, set]
- IList< AuthenticationScheme > **ExternalLogins** [get, set]

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

- Areas/Identity/Pages/Account/Register.cshtml.cs

## 6.24 GOTPlaner.Models.Segment Class Reference

### Properties

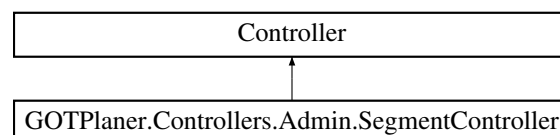
- int **ID** [get, set]
- **TouristPoint** **TouristPointA** [get, set]
- int **TouristPointAId** [get, set]
- **TouristPoint** **TouristPointB** [get, set]
- int **TouristPointBId** [get, set]
- int **PointsAB** [get, set]
- Nullable< int > **PointsBA** [get, set]
- int **LevelDifferenceSum** [get, set]
- double **NumberOfKilometers** [get, set]
- ElementTypeId **ElementTypeId** [get, set]
- **ElementType** **ElementType** [get, set]
- IEnumerable< **SegmentCross** > **SegmentCrosses** [get, set]
- IEnumerable< **CloseSegment** > **SegmentCloses** [get, set]

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

- Models/Segment.cs

## 6.25 GOTPlaner.Controllers.Admin.SegmentController Class Reference

Inheritance diagram for GOTPlaner.Controllers.Admin.SegmentController:



## Public Member Functions

- **SegmentController** ( **GotContext** context)
- async Task< IActionResult > **Index** ()
- async Task< IActionResult > **Details** (int? id)
- IActionResult **Create** ()
- async Task< IActionResult > **Create** ( **CreateSegmentViewModel** createSegmentViewModel)
- async Task< IActionResult > **Edit** (int? id)
- async Task< IActionResult > **Edit** (int id, [Bind("ID,PointsAB,PointsBA,LevelDifferenceSum,NumberOfKilometers,ElementTypeId")] Segment segment)
- async Task< IActionResult > **Delete** (int? id)
- async Task< IActionResult > **DeleteConfirmed** (int id)

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

- Controllers/Admin/SegmentController.cs

## 6.26 GOTPlaner.Models.SegmentCross Class Reference

### Properties

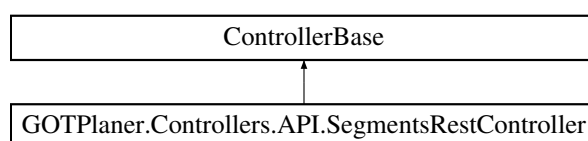
- int **ID** [get, set]
- int **TourId** [get, set]
- **Tour** Tour [get, set]
- int **SegmentId** [get, set]
- **Segment** Segment [get, set]
- int **Order** [get, set]
- bool **Direction** [get, set]
- Nullable< DateTime > **CrossDate** [get, set]
- string **ImageName** [get, set]

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

- Models/SegmentCross.cs

## 6.27 GOTPlaner.Controllers.API.SegmentsRestController Class Reference

Inheritance diagram for GOTPlaner.Controllers.API.SegmentsRestController:



## Public Member Functions

- **SegmentsRestController** ( **GotContext** context)

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

- Controllers/API/SegmentsRestController.cs

## 6.28 GOTPlaner.Startup Class Reference

### Public Member Functions

- **Startup** (IConfiguration configuration)
- void **ConfigureServices** (IServiceCollection services)
- void **Configure** (IApplicationBuilder app, IWebHostEnvironment env, UserManager< IdentityUser > userManager, RoleManager< IdentityRole > roleManager)

### Properties

- IConfiguration **Configuration** [get]
- object **MyIdentityDataInitializer** [get]

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

- Startup.cs

## 6.29 GOTPlaner.Models.Tour Class Reference

### Properties

- int **ID** [get, set]
- DateTime **CreationDate** [get, set]
- Nullable< DateTime > **StartDate** [get, set]
- Nullable< DateTime > **EndDate** [get, set]
- string **TouristEmail** [get, set]
- **Tourist** **Tourist** [get, set]
- BadgeTypeId **BadgeTypeId** [get, set]
- **BadgeType** **BadgeType** [get, set]
- IEnumerable< **SegmentCross** > **SegmentCrosses** [get, set]
- IEnumerable< **TourVerification** > **TourVerifications** [get, set]

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

- Models/Tour.cs

## 6.30 GOTPlaner.Models.Tourist Class Reference

### Properties

- string **Email** [get, set]
- string **FirstName** [get, set]
- string **LastName** [get, set]
- DateTime **BirthDate** [get, set]
- string **Password** [get, set]
- bool **Disability** [get, set]
- IEnumerable< **Badge** > **Badges** [get, set]
- IEnumerable< **Tour** > **Tours** [get, set]

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

- Models/Tourist.cs

## 6.31 GOTPlaner.Models.TouristPoint Class Reference

### Public Member Functions

- override bool **Equals** (object obj)

### Properties

- int **ID** [get, set]
- string **Name** [get, set]
- MountainRangeId **MountainRangeId** [get, set]
- **MountainRange** MountainRange [get, set]
- ElementTypeId **ElementTypeId** [get, set]
- **ElementType** ElementType [get, set]
- IEnumerable< **Segment** > **SegmentsA** [get, set]
- IEnumerable< **Segment** > **SegmentsB** [get, set]

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

- Models/TouristPoint.cs

## 6.32 GOTPlaner.Models.DTO.TouristPointDto Class Reference

### Public Member Functions

- override bool **Equals** (object obj)

## Properties

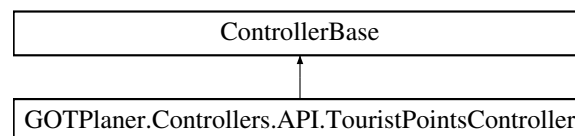
- int **ID** [get, set]
- string **Name** [get, set]
- string **APIName** [get, set]
- MountainRangeld **MountainRangeld** [get, set]

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

- Models/DTO/TouristPointDto.cs

## 6.33 GOTPlaner.Controllers.API.TouristPointsController Class Reference

Inheritance diagram for GOTPlaner.Controllers.API.TouristPointsController:



## Public Member Functions

- **TouristPointsController** ( **GotContext** context)
- ActionResult< IEnumerable< **TouristPointDto** > > **GetTouristPoints** ()
- async Task< ActionResult< **TouristPoint** > > **GetTouristPoint** (int id)
- async Task< IEnumerable< **ToursPointInfo** > > **GetTouristPointsPossibleFromPoint** ([FromQuery(Name="pointId")] int pointId)

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

- Controllers/API/TouristPointsController.cs

## 6.34 GOTPlaner.Models.DTO.TourItemDto Class Reference

## Properties

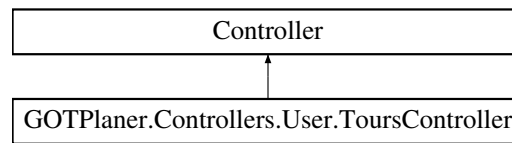
- int **TouristPointId** [get, set]
- string **TouristPointName** [get, set]
- bool **OwnPoint** [get, set]
- int? **CurrentPoints** [get, set]
- int? **NumberOfKilometers** [get, set]
- int? **LevelDifference** [get, set]
- int **MountainRangeld** [get, set]

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

- Models/DTO/TourItemDto.cs

## 6.35 GOTPlaner.Controllers.User.ToursController Class Reference

Inheritance diagram for GOTPlaner.Controllers.User.ToursController:



### Public Member Functions

- **ToursController** ( **GotContext** context)
- async Task< IActionResult > **Index** ()
- async Task< IActionResult > **Details** (int? id)
- IActionResult **Create** ()
- async Task< IActionResult > **Create** ([Bind("ID,CreationDate,StartDate,EndDate")] Tour tour)
- async Task< IActionResult > **Edit** (int? id)
- async Task< IActionResult > **Edit** (int id, [Bind("ID,CreationDate,StartDate,EndDate")] Tour tour)
- async Task< IActionResult > **Delete** (int? id)
- async Task< IActionResult > **DeleteConfirmed** (int id)

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

- Controllers/User/ToursController.cs

## 6.36 GOTPlaner.Service.TourService Class Reference

### Public Member Functions

- **TourService** ( **GotContext** context, IHttpContextAccessor contextAccessor)
- bool **BuildTour** (List< **TourItemDto** > tourItemDtos)

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

- Service/TourService.cs

## 6.37 GOTPlaner.Models.ToursPointInfo Class Reference

### Public Member Functions

- override bool **Equals** (object obj)

## Properties

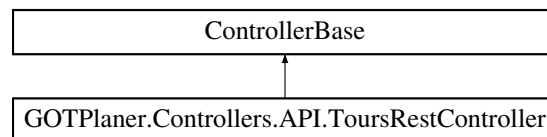
- **TouristPointDto** **TouristPointDto** [get, set]
- int **PointsToGain** [get, set]

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

- Models/ToursPointInfo.cs

## 6.38 GOTPlaner.Controllers.API.ToursRestController Class Reference

Inheritance diagram for GOTPlaner.Controllers.API.ToursRestController:



## Public Member Functions

- **ToursRestController** ( **TourService** tourService)
- HttpResponseMessage **AddTour** (List< **TourItemDto** > tourItemDtos)

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

- Controllers/API/ToursRestController.cs

## 6.39 GOTPlaner.Models.TourVerification Class Reference

## Properties

- int **ID** [get, set]
- int **TourId** [get, set]
- **Tour** **Tour** [get, set]
- string **LeaderEmail** [get, set]
- **Leader** **Leader** [get, set]
- string **Reason** [get, set]
- DateTime **VerificationDate** [get, set]
- TourVerificationStatusId **TourVerificationStatusId** [get, set]
- **TourVerificationStatus** **Status** [get, set]

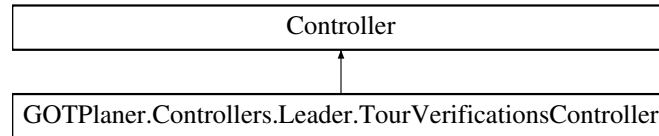
The documentation for this class was generated from the following file:

- Models/TourVerification.cs



## 6.40 GOTPlaner.Controllers.Leader.TourVerificationsController Class Reference

Inheritance diagram for GOTPlaner.Controllers.Leader.TourVerificationsController:



### Public Member Functions

- **TourVerificationsController** ( **GotContext** context)
- async Task< IActionResult > **Index** ()
- async Task< IActionResult > **Details** (int? id)
- IActionResult **Reject** (int ID, string reason, string user)
- IActionResult **Confirm** (int ID, string user)

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

- Controllers/Leader/TourVerificationsController.cs

## 6.41 GOTPlaner.Models.TourVerificationStatus Class Reference

### Properties

- TourVerificationStatusId **TourVerificationStatusId** [get, set]
- string **Name** [get, set]
- IEnumerable< **TourVerification** > **TourVerifications** [get, set]

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

- Models/TourVerificationStatus.cs

## 6.42 GOTPlaner.WebApiConfig Class Reference

### Static Public Member Functions

- static void **Register** (HttpConfiguration config)

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

- WebApiConfig.cs



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