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technical documentation

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# SynopticProject\_Project\_E Namespace

## Classes

|  |  |  |
| --- | --- | --- |
|  | Class | Description |
| Public class | [Program](#_18870287_Topic) | Class housing entry point |
| Public class | [Startup](#_800F6D96_Topic) | API Startup Class |

# Program Class

Class housing entry point

## Inheritance Hierarchy

[System.Object](https://docs.microsoft.com/dotnet/api/system.object)  
  SynopticProject\_Project\_E.Program

**Namespace:** [SynopticProject\_Project\_E](#_E143975E_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

The **Program** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Program](#_95EDC58E_Topic) | Initializes a new instance of the **Program** class |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [CreateHostBuilder](#_E579B51E_Topic) | Create Host builder |
| Public method | [Equals](https://docs.microsoft.com/dotnet/api/system.object.equals#System_Object_Equals_System_Object_) | Determines whether the specified object is equal to the current object. (Inherited from [Object](https://docs.microsoft.com/dotnet/api/system.object).) |
| Protected method | [Finalize](https://docs.microsoft.com/dotnet/api/system.object.finalize#System_Object_Finalize) | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from [Object](https://docs.microsoft.com/dotnet/api/system.object).) |
| Public method | [GetHashCode](https://docs.microsoft.com/dotnet/api/system.object.gethashcode#System_Object_GetHashCode) | Serves as the default hash function. (Inherited from [Object](https://docs.microsoft.com/dotnet/api/system.object).) |
| Public method | [GetType](https://docs.microsoft.com/dotnet/api/system.object.gettype#System_Object_GetType) | Gets the **Type** of the current instance. (Inherited from **Object**.) |
| Public methodStatic member | [Main](#_4E9BD324_Topic) | Standard entry point |
| Protected method | **MemberwiseClone** | Creates a shallow copy of the current **Object**. (Inherited from **Object**.) |
| Public method | **ToString** | Returns a string that represents the current object. (Inherited from **Object**.) |

## See Also

[SynopticProject\_Project\_E Namespace](#_E143975E_Topic)

# Program Constructor

Initializes a new instance of the [Program](#_18870287_Topic) class

**Namespace:** [SynopticProject\_Project\_E](#_E143975E_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[Program Class](#_18870287_Topic)

[SynopticProject\_Project\_E Namespace](#_E143975E_Topic)

# Program.Program Methods

The [Program](#_18870287_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [CreateHostBuilder](#_E579B51E_Topic) | Create Host builder |
| Public method | **Equals** | Determines whether the specified object is equal to the current object. (Inherited from **Object**.) |
| Protected method | **Finalize** | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from **Object**.) |
| Public method | **GetHashCode** | Serves as the default hash function. (Inherited from **Object**.) |
| Public method | **GetType** | Gets the **Type** of the current instance. (Inherited from **Object**.) |
| Public methodStatic member | [Main](#_4E9BD324_Topic) | Standard entry point |
| Protected method | **MemberwiseClone** | Creates a shallow copy of the current **Object**. (Inherited from **Object**.) |
| Public method | **ToString** | Returns a string that represents the current object. (Inherited from **Object**.) |

## See Also

[Program Class](#_18870287_Topic)

[SynopticProject\_Project\_E Namespace](#_E143975E_Topic)

# Program.CreateHostBuilder Method

Create Host builder

**Namespace:** [SynopticProject\_Project\_E](#_E143975E_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[Program Class](#_18870287_Topic)

[SynopticProject\_Project\_E Namespace](#_E143975E_Topic)

# Program.Main Method

Standard entry point

**Namespace:** [SynopticProject\_Project\_E](#_E143975E_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[Program Class](#_18870287_Topic)

[SynopticProject\_Project\_E Namespace](#_E143975E_Topic)

# Startup Class

API Startup Class

## Inheritance Hierarchy

System.Object  
  SynopticProject\_Project\_E.Startup

**Namespace:** [SynopticProject\_Project\_E](#_E143975E_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

The **Startup** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Startup](#_7F5E97C9_Topic) | Startup constructor |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Configuration](#_ADC35867_Topic) | Startup Configuration |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Configure](#_83020CF6_Topic) | This method gets called by the runtime. Use this method to configure the HTTP request pipeline. |
| Public method | [ConfigureServices](#_C23C9671_Topic) | This method gets called by the runtime. Use this method to add services to the container. |
| Public method | **Equals** | Determines whether the specified object is equal to the current object. (Inherited from **Object**.) |
| Protected method | **Finalize** | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from **Object**.) |
| Public method | **GetHashCode** | Serves as the default hash function. (Inherited from **Object**.) |
| Public method | **GetType** | Gets the **Type** of the current instance. (Inherited from **Object**.) |
| Protected method | **MemberwiseClone** | Creates a shallow copy of the current **Object**. (Inherited from **Object**.) |
| Public method | **ToString** | Returns a string that represents the current object. (Inherited from **Object**.) |

## See Also

[SynopticProject\_Project\_E Namespace](#_E143975E_Topic)

# Startup Constructor

Startup constructor

**Namespace:** [SynopticProject\_Project\_E](#_E143975E_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[Startup Class](#_800F6D96_Topic)

[SynopticProject\_Project\_E Namespace](#_E143975E_Topic)

# Startup.Startup Properties

The [Startup](#_800F6D96_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Configuration](#_ADC35867_Topic) | Startup Configuration |

## See Also

[Startup Class](#_800F6D96_Topic)

[SynopticProject\_Project\_E Namespace](#_E143975E_Topic)

# Startup.Configuration Property

Startup Configuration

**Namespace:** [SynopticProject\_Project\_E](#_E143975E_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[Startup Class](#_800F6D96_Topic)

[SynopticProject\_Project\_E Namespace](#_E143975E_Topic)

# Startup.Startup Methods

The [Startup](#_800F6D96_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Configure](#_83020CF6_Topic) | This method gets called by the runtime. Use this method to configure the HTTP request pipeline. |
| Public method | [ConfigureServices](#_C23C9671_Topic) | This method gets called by the runtime. Use this method to add services to the container. |
| Public method | **Equals** | Determines whether the specified object is equal to the current object. (Inherited from **Object**.) |
| Protected method | **Finalize** | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from **Object**.) |
| Public method | **GetHashCode** | Serves as the default hash function. (Inherited from **Object**.) |
| Public method | **GetType** | Gets the **Type** of the current instance. (Inherited from **Object**.) |
| Protected method | **MemberwiseClone** | Creates a shallow copy of the current **Object**. (Inherited from **Object**.) |
| Public method | **ToString** | Returns a string that represents the current object. (Inherited from **Object**.) |

## See Also

[Startup Class](#_800F6D96_Topic)

[SynopticProject\_Project\_E Namespace](#_E143975E_Topic)

# Startup.Configure Method

This method gets called by the runtime. Use this method to configure the HTTP request pipeline.

**Namespace:** [SynopticProject\_Project\_E](#_E143975E_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[Startup Class](#_800F6D96_Topic)

[SynopticProject\_Project\_E Namespace](#_E143975E_Topic)

# Startup.ConfigureServices Method

This method gets called by the runtime. Use this method to add services to the container.

**Namespace:** [SynopticProject\_Project\_E](#_E143975E_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[Startup Class](#_800F6D96_Topic)

[SynopticProject\_Project\_E Namespace](#_E143975E_Topic)

# SynopticProject\_Project\_E.Authentication Namespace

## Classes

|  |  |  |
| --- | --- | --- |
|  | Class | Description |
| Public class | [BasicAuthAttribute](#_D113ECB2_Topic) | Attribute to require Basic Authorization |

# BasicAuthAttribute Class

Attribute to require Basic Authorization

## Inheritance Hierarchy

System.Object  
  System.Attribute  
    SynopticProject\_Project\_E.Authentication.BasicAuthAttribute

**Namespace:** [SynopticProject\_Project\_E.Authentication](#_9333AF49_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

The **BasicAuthAttribute** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [BasicAuthAttribute](#_889CB569_Topic) | Initializes a new instance of the **BasicAuthAttribute** class |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | **TypeId** | When implemented in a derived class, gets a unique identifier for this **Attribute**. (Inherited from **Attribute**.) |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | **Equals** | Returns a value that indicates whether this instance is equal to a specified object. (Inherited from **Attribute**.) |
| Protected method | **Finalize** | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from **Object**.) |
| Public method | **GetHashCode** | Returns the hash code for this instance. (Inherited from **Attribute**.) |
| Public method | **GetType** | Gets the **Type** of the current instance. (Inherited from **Object**.) |
| Public method | **IsDefaultAttribute** | When overridden in a derived class, indicates whether the value of this instance is the default value for the derived class. (Inherited from **Attribute**.) |
| Public method | **Match** | When overridden in a derived class, returns a value that indicates whether this instance equals a specified object. (Inherited from **Attribute**.) |
| Protected method | **MemberwiseClone** | Creates a shallow copy of the current **Object**. (Inherited from **Object**.) |
| Public method | [OnAuthorization](#_56D85E86_Topic) | Called when a user attempts to authorize, validates the authorization header |
| Public method | **ToString** | Returns a string that represents the current object. (Inherited from **Object**.) |

## See Also

[SynopticProject\_Project\_E.Authentication Namespace](#_9333AF49_Topic)

# BasicAuthAttribute Constructor

Initializes a new instance of the [BasicAuthAttribute](#_D113ECB2_Topic) class

**Namespace:** [SynopticProject\_Project\_E.Authentication](#_9333AF49_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[BasicAuthAttribute Class](#_D113ECB2_Topic)

[SynopticProject\_Project\_E.Authentication Namespace](#_9333AF49_Topic)

# BasicAuthAttribute.BasicAuthAttribute Properties

The [BasicAuthAttribute](#_D113ECB2_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | **TypeId** | When implemented in a derived class, gets a unique identifier for this **Attribute**. (Inherited from **Attribute**.) |

## See Also

[BasicAuthAttribute Class](#_D113ECB2_Topic)

[SynopticProject\_Project\_E.Authentication Namespace](#_9333AF49_Topic)

# BasicAuthAttribute.BasicAuthAttribute Methods

The [BasicAuthAttribute](#_D113ECB2_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | **Equals** | Returns a value that indicates whether this instance is equal to a specified object. (Inherited from **Attribute**.) |
| Protected method | **Finalize** | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from **Object**.) |
| Public method | **GetHashCode** | Returns the hash code for this instance. (Inherited from **Attribute**.) |
| Public method | **GetType** | Gets the **Type** of the current instance. (Inherited from **Object**.) |
| Public method | **IsDefaultAttribute** | When overridden in a derived class, indicates whether the value of this instance is the default value for the derived class. (Inherited from **Attribute**.) |
| Public method | **Match** | When overridden in a derived class, returns a value that indicates whether this instance equals a specified object. (Inherited from **Attribute**.) |
| Protected method | **MemberwiseClone** | Creates a shallow copy of the current **Object**. (Inherited from **Object**.) |
| Public method | [OnAuthorization](#_56D85E86_Topic) | Called when a user attempts to authorize, validates the authorization header |
| Public method | **ToString** | Returns a string that represents the current object. (Inherited from **Object**.) |

## See Also

[BasicAuthAttribute Class](#_D113ECB2_Topic)

[SynopticProject\_Project\_E.Authentication Namespace](#_9333AF49_Topic)

# BasicAuthAttribute.OnAuthorization Method

Called when a user attempts to authorize, validates the authorization header

**Namespace:** [SynopticProject\_Project\_E.Authentication](#_9333AF49_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[BasicAuthAttribute Class](#_D113ECB2_Topic)

[SynopticProject\_Project\_E.Authentication Namespace](#_9333AF49_Topic)

# SynopticProject\_Project\_E.Controllers Namespace

## Classes

|  |  |  |
| --- | --- | --- |
|  | Class | Description |
| Public class | [AuthenticateController](#_B829B77C_Topic) | Authorization Controller |
| Public class | [BaseController](#_6C5177A5_Topic) | Base controller to implement common methods |
| Public class | [UserController](#_B558E79_Topic) | User management controller |

# AuthenticateController Class

Authorization Controller

## Inheritance Hierarchy

System.Object  
  Microsoft.AspNetCore.Mvc.ControllerBase  
    [SynopticProject\_Project\_E.Controllers.BaseController](#_6C5177A5_Topic)  
      SynopticProject\_Project\_E.Controllers.AuthenticateController

**Namespace:** [SynopticProject\_Project\_E.Controllers](#_6415583_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

The **AuthenticateController** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [AuthenticateController](#_FDDC33FB_Topic) | Initializes a new instance of the **AuthenticateController** class |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | **ControllerContext** | Gets or sets the **ControllerContext**. (Inherited from **ControllerBase**.) |
| Public property | **HttpContext** | Gets the **HttpContext** for the executing action. (Inherited from **ControllerBase**.) |
| Public property | **MetadataProvider** | Gets or sets the **IModelMetadataProvider**. (Inherited from **ControllerBase**.) |
| Public property | **ModelBinderFactory** | Gets or sets the **IModelBinderFactory**. (Inherited from **ControllerBase**.) |
| Public property | **ModelState** | Gets the **ModelStateDictionary** that contains the state of the model and of model-binding validation. (Inherited from **ControllerBase**.) |
| Public property | **ObjectValidator** | Gets or sets the **IObjectModelValidator**. (Inherited from **ControllerBase**.) |
| Public property | **ProblemDetailsFactory** | Gets or sets the **ProblemDetailsFactory**. (Inherited from **ControllerBase**.) |
| Public property | **Request** | Gets the **HttpRequest** for the executing action. (Inherited from **ControllerBase**.) |
| Public property | **Response** | Gets the **HttpResponse** for the executing action. (Inherited from **ControllerBase**.) |
| Public property | **RouteData** | Gets the **RouteData** for the executing action. (Inherited from **ControllerBase**.) |
| Public property | **Url** | Gets or sets the **IUrlHelper**. (Inherited from **ControllerBase**.) |
| Public property | **User** | Gets the **ClaimsPrincipal** for user associated with the executing action. (Inherited from **ControllerBase**.) |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | Accepted() | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **Accepted(Object)** | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **Accepted(Uri)** | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **Accepted(String)** | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **Accepted(String, Object)** | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **Accepted(Uri, Object)** | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String, String)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String, Object)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String, String, Object)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String, Object, Object)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String, String, Object, Object)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtRoute(Object)** | Creates a **AcceptedAtRouteResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtRoute(String)** | Creates a **AcceptedAtRouteResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtRoute(String, Object)** | Creates a **AcceptedAtRouteResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtRoute(Object, Object)** | Creates a **AcceptedAtRouteResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtRoute(String, Object, Object)** | Creates a **AcceptedAtRouteResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | [AuthenticateUser](#_CD77F2FE_Topic) | Authenticate the user (Inherited from [BaseController](#_6C5177A5_Topic).) |
| Public method | BadRequest() | Creates an **BadRequestResult** that produces a **Status400BadRequest** response. (Inherited from **ControllerBase**.) |
| Public method | **BadRequest(Object)** | Creates an **BadRequestObjectResult** that produces a **Status400BadRequest** response. (Inherited from **ControllerBase**.) |
| Public method | **BadRequest(ModelStateDictionary)** | Creates an **BadRequestObjectResult** that produces a **Status400BadRequest** response. (Inherited from **ControllerBase**.) |
| Public method | Challenge() | Creates a **ChallengeResult**. (Inherited from **ControllerBase**.) |
| Public method | Challenge(String[]) | Creates a **ChallengeResult** with the specified authentication schemes. (Inherited from **ControllerBase**.) |
| Public method | **Challenge(AuthenticationProperties)** | Creates a **ChallengeResult** with the specified properties. (Inherited from **ControllerBase**.) |
| Public method | Challenge(AuthenticationProperties, String[]) | Creates a **ChallengeResult** with the specified authentication schemes and properties. (Inherited from **ControllerBase**.) |
| Public method | Conflict() | Creates an **ConflictResult** that produces a **Status409Conflict** response. (Inherited from **ControllerBase**.) |
| Public method | **Conflict(Object)** | Creates an **ConflictObjectResult** that produces a **Status409Conflict** response. (Inherited from **ControllerBase**.) |
| Public method | **Conflict(ModelStateDictionary)** | Creates an **ConflictObjectResult** that produces a **Status409Conflict** response. (Inherited from **ControllerBase**.) |
| Public method | **Content(String)** | Creates a **ContentResult** object by specifying a content string. (Inherited from **ControllerBase**.) |
| Public method | **Content(String, String)** | Creates a **ContentResult** object by specifying a content string and a content type. (Inherited from **ControllerBase**.) |
| Public method | **Content(String, MediaTypeHeaderValue)** | Creates a **ContentResult** object by specifying a content string and a contentType. (Inherited from **ControllerBase**.) |
| Public method | **Content(String, String, Encoding)** | Creates a **ContentResult** object by specifying a content string, a contentType, and contentEncoding. (Inherited from **ControllerBase**.) |
| Public method | **Created(String, Object)** | Creates a **CreatedResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **Created(Uri, Object)** | Creates a **CreatedResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtAction(String, Object)** | Creates a **CreatedAtActionResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtAction(String, Object, Object)** | Creates a **CreatedAtActionResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtAction(String, String, Object, Object)** | Creates a **CreatedAtActionResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtRoute(String, Object)** | Creates a **CreatedAtRouteResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtRoute(Object, Object)** | Creates a **CreatedAtRouteResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtRoute(String, Object, Object)** | Creates a **CreatedAtRouteResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | [CurrentUserHasPermission](#_E34A4706_Topic) | Check if the user has permissions to peform an action (Inherited from [BaseController](#_6C5177A5_Topic).) |
| Public method | **Equals** | Determines whether the specified object is equal to the current object. (Inherited from **Object**.) |
| Public method | File(Byte[], String) | Returns a file with the specified fileContents as content (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(Stream, String)** | Returns a file in the specified fileStream (**Status200OK**), with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(String, String)** | Returns the file specified by virtualPath (**Status200OK**) with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, Boolean) | Returns a file with the specified fileContents as content (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, String) | Returns a file with the specified fileContents as content (**Status200OK**), the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(Stream, String, Boolean)** | Returns a file in the specified fileStream (**Status200OK**), with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(Stream, String, String)** | Returns a file in the specified fileStream (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(String, String, Boolean)** | Returns the file specified by virtualPath (**Status200OK**) with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(String, String, String)** | Returns the file specified by virtualPath (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, String, Boolean) | Returns a file with the specified fileContents as content (**Status200OK**), the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns a file with the specified fileContents as content (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(Stream, String, String, Boolean)** | Returns a file in the specified fileStream (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Stream, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns a file in the specified fileStream (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(String, String, String, Boolean)** | Returns the file specified by virtualPath (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns the file specified by virtualPath (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns a file with the specified fileContents as content (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns a file with the specified fileContents as content (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Stream, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns a file in the specified fileStream (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Stream, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns a file in the specified fileStream (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns the file specified by virtualPath (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(String, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns the file specified by virtualPath (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns a file with the specified fileContents as content (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Stream, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns a file in the specified fileStream (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(String, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns the file specified by virtualPath (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Protected method | **Finalize** | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from **Object**.) |
| Public method | Forbid() | Creates a **ForbidResult** (**Status403Forbidden** by default). (Inherited from **ControllerBase**.) |
| Public method | Forbid(String[]) | Creates a **ForbidResult** (**Status403Forbidden** by default) with the specified authentication schemes. (Inherited from **ControllerBase**.) |
| Public method | **Forbid(AuthenticationProperties)** | Creates a **ForbidResult** (**Status403Forbidden** by default) with the specified properties. (Inherited from **ControllerBase**.) |
| Public method | Forbid(AuthenticationProperties, String[]) | Creates a **ForbidResult** (**Status403Forbidden** by default) with the specified authentication schemes and properties. (Inherited from **ControllerBase**.) |
| Public method | [GetCurrentUser](#_82653571_Topic) | Returns an instance of the current user (Inherited from [BaseController](#_6C5177A5_Topic).) |
| Public method | **GetHashCode** | Serves as the default hash function. (Inherited from **Object**.) |
| Public method | **GetType** | Gets the **Type** of the current instance. (Inherited from **Object**.) |
| Public method | **LocalRedirect** | Creates a **LocalRedirectResult** object that redirects (**Status302Found**) to the specified local localUrl. (Inherited from **ControllerBase**.) |
| Public method | **LocalRedirectPermanent** | Creates a **LocalRedirectResult** object with **Permanent** set to true (**Status301MovedPermanently**) using the specified localUrl. (Inherited from **ControllerBase**.) |
| Public method | **LocalRedirectPermanentPreserveMethod** | Creates a **LocalRedirectResult** object with **Permanent** set to true and **PreserveMethod** set to true (**Status308PermanentRedirect**) using the specified localUrl. (Inherited from **ControllerBase**.) |
| Public method | **LocalRedirectPreserveMethod** | Creates a **LocalRedirectResult** object with **Permanent** set to false and **PreserveMethod** set to true (**Status307TemporaryRedirect**) using the specified localUrl. (Inherited from **ControllerBase**.) |
| Public method | [Login](#_23CE9738_Topic) | /Authenticate/Login/ endpoint |
| Public method | [Logout](#_9E81466F_Topic) | /Authenticate/Logout endpoint |
| Protected method | **MemberwiseClone** | Creates a shallow copy of the current **Object**. (Inherited from **Object**.) |
| Public method | **NoContent** | Creates a **NoContentResult** object that produces an empty **Status204NoContent** response. (Inherited from **ControllerBase**.) |
| Public method | NotFound() | Creates an **NotFoundResult** that produces a **Status404NotFound** response. (Inherited from **ControllerBase**.) |
| Public method | **NotFound(Object)** | Creates an **NotFoundObjectResult** that produces a **Status404NotFound** response. (Inherited from **ControllerBase**.) |
| Public method | Ok() | Creates a **OkResult** object that produces an empty **Status200OK** response. (Inherited from **ControllerBase**.) |
| Public method | **Ok(Object)** | Creates an **OkObjectResult** object that produces an **Status200OK** response. (Inherited from **ControllerBase**.) |
| Public method | **PhysicalFile(String, String)** | Returns the file specified by physicalPath (**Status200OK**) with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **PhysicalFile(String, String, Boolean)** | Returns the file specified by physicalPath (**Status200OK**) with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **PhysicalFile(String, String, String)** | Returns the file specified by physicalPath (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **PhysicalFile(String, String, String, Boolean)** | Returns the file specified by physicalPath (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | PhysicalFile(String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns the file specified by physicalPath (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | PhysicalFile(String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns the file specified by physicalPath (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | PhysicalFile(String, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns the file specified by physicalPath (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | PhysicalFile(String, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns the file specified by physicalPath (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **Problem** | Creates an **ObjectResult** that produces a **ProblemDetails** response. (Inherited from **ControllerBase**.) |
| Public method | **Redirect** | Creates a **RedirectResult** object that redirects (**Status302Found**) to the specified url. (Inherited from **ControllerBase**.) |
| Public method | **RedirectPermanent** | Creates a **RedirectResult** object with **Permanent** set to true (**Status301MovedPermanently**) using the specified url. (Inherited from **ControllerBase**.) |
| Public method | **RedirectPermanentPreserveMethod** | Creates a **RedirectResult** object with **Permanent** set to true and **PreserveMethod** set to true (**Status308PermanentRedirect**) using the specified url. (Inherited from **ControllerBase**.) |
| Public method | **RedirectPreserveMethod** | Creates a **RedirectResult** object with **Permanent** set to false and **PreserveMethod** set to true (**Status307TemporaryRedirect**) using the specified url. (Inherited from **ControllerBase**.) |
| Public methodCode example | RedirectToAction() | Redirects (**Status302Found**) to an action with the same name as current one. The 'controller' and 'action' names are retrieved from the ambient values of the current request. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String)** | Redirects (**Status302Found**) to the specified action using the actionName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String, Object)** | Redirects (**Status302Found**) to the specified action using the actionName and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String, String)** | Redirects (**Status302Found**) to the specified action using the actionName and the controllerName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String, String, Object)** | Redirects (**Status302Found**) to the specified action using the specified actionName, controllerName, and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String, String, String)** | Redirects (**Status302Found**) to the specified action using the specified actionName, controllerName, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String, String, Object, String)** | Redirects (**Status302Found**) to the specified action using the specified actionName, controllerName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String, Object)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String, String)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName and controllerName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String, String, String)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName, controllerName, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String, String, Object)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName, controllerName, and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String, String, Object, String)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName, controllerName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanentPreserveMethod** | Redirects (**Status308PermanentRedirect**) to the specified action with **Permanent** set to true and **PreserveMethod** set to true, using the specified actionName, controllerName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPreserveMethod** | Redirects (**Status307TemporaryRedirect**) to the specified action with **Permanent** set to false and **PreserveMethod** set to true, using the specified actionName, controllerName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String)** | Redirects (**Status302Found**) to the specified pageName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String, Object)** | Redirects (**Status302Found**) to the specified pageName using the specified routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String, String)** | Redirects (**Status302Found**) to the specified pageName using the specified pageHandler. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String, String, Object)** | Redirects (**Status302Found**) to the specified pageName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String, String, String)** | Redirects (**Status302Found**) to the specified pageName using the specified fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String, String, Object, String)** | Redirects (**Status302Found**) to the specified pageName using the specified routeValues and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanent(String)** | Redirects (**Status301MovedPermanently**) to the specified pageName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanent(String, Object)** | Redirects (**Status301MovedPermanently**) to the specified pageName using the specified routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanent(String, String)** | Redirects (**Status301MovedPermanently**) to the specified pageName using the specified pageHandler. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanent(String, String, String)** | Redirects (**Status301MovedPermanently**) to the specified pageName using the specified fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanent(String, String, Object, String)** | Redirects (**Status301MovedPermanently**) to the specified pageName using the specified routeValues and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanentPreserveMethod** | Redirects (**Status308PermanentRedirect**) to the specified route with **Permanent** set to true and **PreserveMethod** set to true, using the specified pageName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePreserveMethod** | Redirects (**Status307TemporaryRedirect**) to the specified page with **Permanent** set to false and **PreserveMethod** set to true, using the specified pageName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoute(String)** | Redirects (**Status302Found**) to the specified route using the specified routeName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoute(Object)** | Redirects (**Status302Found**) to the specified route using the specified routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoute(String, Object)** | Redirects (**Status302Found**) to the specified route using the specified routeName and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoute(String, String)** | Redirects (**Status302Found**) to the specified route using the specified routeName and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoute(String, Object, String)** | Redirects (**Status302Found**) to the specified route using the specified routeName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanent(String)** | Redirects (**Status301MovedPermanently**) to the specified route with **Permanent** set to true using the specified routeName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanent(Object)** | Redirects (**Status301MovedPermanently**) to the specified route with **Permanent** set to true using the specified routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanent(String, Object)** | Redirects (**Status301MovedPermanently**) to the specified route with **Permanent** set to true using the specified routeName and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanent(String, String)** | Redirects (**Status301MovedPermanently**) to the specified route with **Permanent** set to true using the specified routeName and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanent(String, Object, String)** | Redirects (**Status301MovedPermanently**) to the specified route with **Permanent** set to true using the specified routeName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanentPreserveMethod** | Redirects (**Status308PermanentRedirect**) to the specified route with **Permanent** set to true and **PreserveMethod** set to true, using the specified routeName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePreserveMethod** | Redirects (**Status307TemporaryRedirect**) to the specified route with **Permanent** set to false and **PreserveMethod** set to true, using the specified routeName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | [Register](#_121D58C2_Topic) | /Authenticate/Register/ endpoint |
| Public method | **SignIn(ClaimsPrincipal)** | Creates a **SignInResult**. (Inherited from **ControllerBase**.) |
| Public method | **SignIn(ClaimsPrincipal, String)** | Creates a **SignInResult** with the specified authentication scheme. (Inherited from **ControllerBase**.) |
| Public method | **SignIn(ClaimsPrincipal, AuthenticationProperties)** | Creates a **SignInResult** with properties. (Inherited from **ControllerBase**.) |
| Public method | **SignIn(ClaimsPrincipal, AuthenticationProperties, String)** | Creates a **SignInResult** with the specified authentication scheme and properties. (Inherited from **ControllerBase**.) |
| Public method | SignOut() | Creates a **SignOutResult**. (Inherited from **ControllerBase**.) |
| Public method | **SignOut(AuthenticationProperties)** | Creates a **SignOutResult** with properties. (Inherited from **ControllerBase**.) |
| Public method | SignOut(String[]) | Creates a **SignOutResult** with the specified authentication schemes. (Inherited from **ControllerBase**.) |
| Public method | SignOut(AuthenticationProperties, String[]) | Creates a **SignOutResult** with the specified authentication schemes and properties. (Inherited from **ControllerBase**.) |
| Public method | **StatusCode(Int32)** | Creates a **StatusCodeResult** object by specifying a statusCode. (Inherited from **ControllerBase**.) |
| Public method | **StatusCode(Int32, Object)** | Creates a **ObjectResult** object by specifying a statusCode and value (Inherited from **ControllerBase**.) |
| Public method | **ToString** | Returns a string that represents the current object. (Inherited from **Object**.) |
| Public method | **TryUpdateModelAsync(Object, Type, String)** | Updates the specified model instance using values from the controller's current **IValueProvider** and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(Object, Type, String, IValueProvider, Func(ModelMetadata, Boolean)) | Updates the specified model instance using the valueProvider and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel) | Updates the specified model instance using values from the controller's current **IValueProvider**. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String) | Updates the specified model instance using values from the controller's current **IValueProvider** and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String, IValueProvider) | Updates the specified model instance using the valueProvider and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String, Expression(Func(TModel, Object))[]) | Updates the specified model instance using values from the controller's current **IValueProvider** and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String, Func(ModelMetadata, Boolean)) | Updates the specified model instance using values from the controller's current **IValueProvider** and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String, IValueProvider, Expression(Func(TModel, Object))[]) | Updates the specified model instance using the valueProvider and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String, IValueProvider, Func(ModelMetadata, Boolean)) | Updates the specified model instance using the valueProvider and a prefix. (Inherited from **ControllerBase**.) |
| Public method | **TryValidateModel(Object)** | Validates the specified model instance. (Inherited from **ControllerBase**.) |
| Public method | **TryValidateModel(Object, String)** | Validates the specified model instance. (Inherited from **ControllerBase**.) |
| Public method | [UnauthenticateUser](#_27585784_Topic) | Unauthenticate a user (Inherited from [BaseController](#_6C5177A5_Topic).) |
| Public method | Unauthorized() | Creates an **UnauthorizedResult** that produces an **Status401Unauthorized** response. (Inherited from **ControllerBase**.) |
| Public method | **Unauthorized(Object)** | Creates an **UnauthorizedObjectResult** that produces a **Status401Unauthorized** response. (Inherited from **ControllerBase**.) |
| Public method | UnprocessableEntity() | Creates an **UnprocessableEntityResult** that produces a **Status422UnprocessableEntity** response. (Inherited from **ControllerBase**.) |
| Public method | **UnprocessableEntity(Object)** | Creates an **UnprocessableEntityObjectResult** that produces a **Status422UnprocessableEntity** response. (Inherited from **ControllerBase**.) |
| Public method | **UnprocessableEntity(ModelStateDictionary)** | Creates an **UnprocessableEntityObjectResult** that produces a **Status422UnprocessableEntity** response. (Inherited from **ControllerBase**.) |
| Public method | [UserAuthenticated](#_4E91BDB4_Topic) | Check if a user is authenticated (Inherited from [BaseController](#_6C5177A5_Topic).) |
| Public method | [UserSessionExpired](#_298204DC_Topic) | Check if a user's session has expired (Inherited from [BaseController](#_6C5177A5_Topic).) |
| Public method | ValidationProblem() | Creates an **ActionResult** that produces a **Status400BadRequest** response with validation errors from **ModelState**. (Inherited from **ControllerBase**.) |
| Public method | **ValidationProblem(ValidationProblemDetails)** | Creates an **BadRequestObjectResult** that produces a **Status400BadRequest** response. (Inherited from **ControllerBase**.) |
| Public method | **ValidationProblem(ModelStateDictionary)** | Creates an **ActionResult** that produces a **Status400BadRequest** response with validation errors from modelStateDictionary. (Inherited from **ControllerBase**.) |
| Public method | ValidationProblem(String, String, Nullable(Int32), String, String, ModelStateDictionary) | Creates an **ActionResult** that produces a **Status400BadRequest** response with a **ValidationProblemDetails** value. (Inherited from **ControllerBase**.) |

## See Also

[SynopticProject\_Project\_E.Controllers Namespace](#_6415583_Topic)

# AuthenticateController Constructor

Initializes a new instance of the [AuthenticateController](#_B829B77C_Topic) class

**Namespace:** [SynopticProject\_Project\_E.Controllers](#_6415583_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[AuthenticateController Class](#_B829B77C_Topic)

[SynopticProject\_Project\_E.Controllers Namespace](#_6415583_Topic)

# AuthenticateController.AuthenticateController Properties

The [AuthenticateController](#_B829B77C_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | **ControllerContext** | Gets or sets the **ControllerContext**. (Inherited from **ControllerBase**.) |
| Public property | **HttpContext** | Gets the **HttpContext** for the executing action. (Inherited from **ControllerBase**.) |
| Public property | **MetadataProvider** | Gets or sets the **IModelMetadataProvider**. (Inherited from **ControllerBase**.) |
| Public property | **ModelBinderFactory** | Gets or sets the **IModelBinderFactory**. (Inherited from **ControllerBase**.) |
| Public property | **ModelState** | Gets the **ModelStateDictionary** that contains the state of the model and of model-binding validation. (Inherited from **ControllerBase**.) |
| Public property | **ObjectValidator** | Gets or sets the **IObjectModelValidator**. (Inherited from **ControllerBase**.) |
| Public property | **ProblemDetailsFactory** | Gets or sets the **ProblemDetailsFactory**. (Inherited from **ControllerBase**.) |
| Public property | **Request** | Gets the **HttpRequest** for the executing action. (Inherited from **ControllerBase**.) |
| Public property | **Response** | Gets the **HttpResponse** for the executing action. (Inherited from **ControllerBase**.) |
| Public property | **RouteData** | Gets the **RouteData** for the executing action. (Inherited from **ControllerBase**.) |
| Public property | **Url** | Gets or sets the **IUrlHelper**. (Inherited from **ControllerBase**.) |
| Public property | **User** | Gets the **ClaimsPrincipal** for user associated with the executing action. (Inherited from **ControllerBase**.) |

## See Also

[AuthenticateController Class](#_B829B77C_Topic)

[SynopticProject\_Project\_E.Controllers Namespace](#_6415583_Topic)

# AuthenticateController.AuthenticateController Methods

The [AuthenticateController](#_B829B77C_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | Accepted() | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **Accepted(Object)** | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **Accepted(Uri)** | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **Accepted(String)** | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **Accepted(String, Object)** | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **Accepted(Uri, Object)** | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String, String)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String, Object)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String, String, Object)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String, Object, Object)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String, String, Object, Object)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtRoute(Object)** | Creates a **AcceptedAtRouteResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtRoute(String)** | Creates a **AcceptedAtRouteResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtRoute(String, Object)** | Creates a **AcceptedAtRouteResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtRoute(Object, Object)** | Creates a **AcceptedAtRouteResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtRoute(String, Object, Object)** | Creates a **AcceptedAtRouteResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | [AuthenticateUser](#_CD77F2FE_Topic) | Authenticate the user (Inherited from [BaseController](#_6C5177A5_Topic).) |
| Public method | BadRequest() | Creates an **BadRequestResult** that produces a **Status400BadRequest** response. (Inherited from **ControllerBase**.) |
| Public method | **BadRequest(Object)** | Creates an **BadRequestObjectResult** that produces a **Status400BadRequest** response. (Inherited from **ControllerBase**.) |
| Public method | **BadRequest(ModelStateDictionary)** | Creates an **BadRequestObjectResult** that produces a **Status400BadRequest** response. (Inherited from **ControllerBase**.) |
| Public method | Challenge() | Creates a **ChallengeResult**. (Inherited from **ControllerBase**.) |
| Public method | Challenge(String[]) | Creates a **ChallengeResult** with the specified authentication schemes. (Inherited from **ControllerBase**.) |
| Public method | **Challenge(AuthenticationProperties)** | Creates a **ChallengeResult** with the specified properties. (Inherited from **ControllerBase**.) |
| Public method | Challenge(AuthenticationProperties, String[]) | Creates a **ChallengeResult** with the specified authentication schemes and properties. (Inherited from **ControllerBase**.) |
| Public method | Conflict() | Creates an **ConflictResult** that produces a **Status409Conflict** response. (Inherited from **ControllerBase**.) |
| Public method | **Conflict(Object)** | Creates an **ConflictObjectResult** that produces a **Status409Conflict** response. (Inherited from **ControllerBase**.) |
| Public method | **Conflict(ModelStateDictionary)** | Creates an **ConflictObjectResult** that produces a **Status409Conflict** response. (Inherited from **ControllerBase**.) |
| Public method | **Content(String)** | Creates a **ContentResult** object by specifying a content string. (Inherited from **ControllerBase**.) |
| Public method | **Content(String, String)** | Creates a **ContentResult** object by specifying a content string and a content type. (Inherited from **ControllerBase**.) |
| Public method | **Content(String, MediaTypeHeaderValue)** | Creates a **ContentResult** object by specifying a content string and a contentType. (Inherited from **ControllerBase**.) |
| Public method | **Content(String, String, Encoding)** | Creates a **ContentResult** object by specifying a content string, a contentType, and contentEncoding. (Inherited from **ControllerBase**.) |
| Public method | **Created(String, Object)** | Creates a **CreatedResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **Created(Uri, Object)** | Creates a **CreatedResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtAction(String, Object)** | Creates a **CreatedAtActionResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtAction(String, Object, Object)** | Creates a **CreatedAtActionResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtAction(String, String, Object, Object)** | Creates a **CreatedAtActionResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtRoute(String, Object)** | Creates a **CreatedAtRouteResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtRoute(Object, Object)** | Creates a **CreatedAtRouteResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtRoute(String, Object, Object)** | Creates a **CreatedAtRouteResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | [CurrentUserHasPermission](#_E34A4706_Topic) | Check if the user has permissions to peform an action (Inherited from [BaseController](#_6C5177A5_Topic).) |
| Public method | **Equals** | Determines whether the specified object is equal to the current object. (Inherited from **Object**.) |
| Public method | File(Byte[], String) | Returns a file with the specified fileContents as content (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(Stream, String)** | Returns a file in the specified fileStream (**Status200OK**), with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(String, String)** | Returns the file specified by virtualPath (**Status200OK**) with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, Boolean) | Returns a file with the specified fileContents as content (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, String) | Returns a file with the specified fileContents as content (**Status200OK**), the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(Stream, String, Boolean)** | Returns a file in the specified fileStream (**Status200OK**), with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(Stream, String, String)** | Returns a file in the specified fileStream (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(String, String, Boolean)** | Returns the file specified by virtualPath (**Status200OK**) with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(String, String, String)** | Returns the file specified by virtualPath (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, String, Boolean) | Returns a file with the specified fileContents as content (**Status200OK**), the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns a file with the specified fileContents as content (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(Stream, String, String, Boolean)** | Returns a file in the specified fileStream (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Stream, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns a file in the specified fileStream (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(String, String, String, Boolean)** | Returns the file specified by virtualPath (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns the file specified by virtualPath (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns a file with the specified fileContents as content (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns a file with the specified fileContents as content (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Stream, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns a file in the specified fileStream (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Stream, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns a file in the specified fileStream (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns the file specified by virtualPath (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(String, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns the file specified by virtualPath (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns a file with the specified fileContents as content (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Stream, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns a file in the specified fileStream (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(String, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns the file specified by virtualPath (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Protected method | **Finalize** | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from **Object**.) |
| Public method | Forbid() | Creates a **ForbidResult** (**Status403Forbidden** by default). (Inherited from **ControllerBase**.) |
| Public method | Forbid(String[]) | Creates a **ForbidResult** (**Status403Forbidden** by default) with the specified authentication schemes. (Inherited from **ControllerBase**.) |
| Public method | **Forbid(AuthenticationProperties)** | Creates a **ForbidResult** (**Status403Forbidden** by default) with the specified properties. (Inherited from **ControllerBase**.) |
| Public method | Forbid(AuthenticationProperties, String[]) | Creates a **ForbidResult** (**Status403Forbidden** by default) with the specified authentication schemes and properties. (Inherited from **ControllerBase**.) |
| Public method | [GetCurrentUser](#_82653571_Topic) | Returns an instance of the current user (Inherited from [BaseController](#_6C5177A5_Topic).) |
| Public method | **GetHashCode** | Serves as the default hash function. (Inherited from **Object**.) |
| Public method | **GetType** | Gets the **Type** of the current instance. (Inherited from **Object**.) |
| Public method | **LocalRedirect** | Creates a **LocalRedirectResult** object that redirects (**Status302Found**) to the specified local localUrl. (Inherited from **ControllerBase**.) |
| Public method | **LocalRedirectPermanent** | Creates a **LocalRedirectResult** object with **Permanent** set to true (**Status301MovedPermanently**) using the specified localUrl. (Inherited from **ControllerBase**.) |
| Public method | **LocalRedirectPermanentPreserveMethod** | Creates a **LocalRedirectResult** object with **Permanent** set to true and **PreserveMethod** set to true (**Status308PermanentRedirect**) using the specified localUrl. (Inherited from **ControllerBase**.) |
| Public method | **LocalRedirectPreserveMethod** | Creates a **LocalRedirectResult** object with **Permanent** set to false and **PreserveMethod** set to true (**Status307TemporaryRedirect**) using the specified localUrl. (Inherited from **ControllerBase**.) |
| Public method | [Login](#_23CE9738_Topic) | /Authenticate/Login/ endpoint |
| Public method | [Logout](#_9E81466F_Topic) | /Authenticate/Logout endpoint |
| Protected method | **MemberwiseClone** | Creates a shallow copy of the current **Object**. (Inherited from **Object**.) |
| Public method | **NoContent** | Creates a **NoContentResult** object that produces an empty **Status204NoContent** response. (Inherited from **ControllerBase**.) |
| Public method | NotFound() | Creates an **NotFoundResult** that produces a **Status404NotFound** response. (Inherited from **ControllerBase**.) |
| Public method | **NotFound(Object)** | Creates an **NotFoundObjectResult** that produces a **Status404NotFound** response. (Inherited from **ControllerBase**.) |
| Public method | Ok() | Creates a **OkResult** object that produces an empty **Status200OK** response. (Inherited from **ControllerBase**.) |
| Public method | **Ok(Object)** | Creates an **OkObjectResult** object that produces an **Status200OK** response. (Inherited from **ControllerBase**.) |
| Public method | **PhysicalFile(String, String)** | Returns the file specified by physicalPath (**Status200OK**) with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **PhysicalFile(String, String, Boolean)** | Returns the file specified by physicalPath (**Status200OK**) with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **PhysicalFile(String, String, String)** | Returns the file specified by physicalPath (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **PhysicalFile(String, String, String, Boolean)** | Returns the file specified by physicalPath (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | PhysicalFile(String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns the file specified by physicalPath (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | PhysicalFile(String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns the file specified by physicalPath (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | PhysicalFile(String, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns the file specified by physicalPath (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | PhysicalFile(String, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns the file specified by physicalPath (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **Problem** | Creates an **ObjectResult** that produces a **ProblemDetails** response. (Inherited from **ControllerBase**.) |
| Public method | **Redirect** | Creates a **RedirectResult** object that redirects (**Status302Found**) to the specified url. (Inherited from **ControllerBase**.) |
| Public method | **RedirectPermanent** | Creates a **RedirectResult** object with **Permanent** set to true (**Status301MovedPermanently**) using the specified url. (Inherited from **ControllerBase**.) |
| Public method | **RedirectPermanentPreserveMethod** | Creates a **RedirectResult** object with **Permanent** set to true and **PreserveMethod** set to true (**Status308PermanentRedirect**) using the specified url. (Inherited from **ControllerBase**.) |
| Public method | **RedirectPreserveMethod** | Creates a **RedirectResult** object with **Permanent** set to false and **PreserveMethod** set to true (**Status307TemporaryRedirect**) using the specified url. (Inherited from **ControllerBase**.) |
| Public methodCode example | RedirectToAction() | Redirects (**Status302Found**) to an action with the same name as current one. The 'controller' and 'action' names are retrieved from the ambient values of the current request. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String)** | Redirects (**Status302Found**) to the specified action using the actionName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String, Object)** | Redirects (**Status302Found**) to the specified action using the actionName and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String, String)** | Redirects (**Status302Found**) to the specified action using the actionName and the controllerName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String, String, Object)** | Redirects (**Status302Found**) to the specified action using the specified actionName, controllerName, and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String, String, String)** | Redirects (**Status302Found**) to the specified action using the specified actionName, controllerName, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String, String, Object, String)** | Redirects (**Status302Found**) to the specified action using the specified actionName, controllerName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String, Object)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String, String)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName and controllerName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String, String, String)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName, controllerName, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String, String, Object)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName, controllerName, and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String, String, Object, String)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName, controllerName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanentPreserveMethod** | Redirects (**Status308PermanentRedirect**) to the specified action with **Permanent** set to true and **PreserveMethod** set to true, using the specified actionName, controllerName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPreserveMethod** | Redirects (**Status307TemporaryRedirect**) to the specified action with **Permanent** set to false and **PreserveMethod** set to true, using the specified actionName, controllerName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String)** | Redirects (**Status302Found**) to the specified pageName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String, Object)** | Redirects (**Status302Found**) to the specified pageName using the specified routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String, String)** | Redirects (**Status302Found**) to the specified pageName using the specified pageHandler. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String, String, Object)** | Redirects (**Status302Found**) to the specified pageName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String, String, String)** | Redirects (**Status302Found**) to the specified pageName using the specified fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String, String, Object, String)** | Redirects (**Status302Found**) to the specified pageName using the specified routeValues and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanent(String)** | Redirects (**Status301MovedPermanently**) to the specified pageName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanent(String, Object)** | Redirects (**Status301MovedPermanently**) to the specified pageName using the specified routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanent(String, String)** | Redirects (**Status301MovedPermanently**) to the specified pageName using the specified pageHandler. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanent(String, String, String)** | Redirects (**Status301MovedPermanently**) to the specified pageName using the specified fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanent(String, String, Object, String)** | Redirects (**Status301MovedPermanently**) to the specified pageName using the specified routeValues and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanentPreserveMethod** | Redirects (**Status308PermanentRedirect**) to the specified route with **Permanent** set to true and **PreserveMethod** set to true, using the specified pageName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePreserveMethod** | Redirects (**Status307TemporaryRedirect**) to the specified page with **Permanent** set to false and **PreserveMethod** set to true, using the specified pageName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoute(String)** | Redirects (**Status302Found**) to the specified route using the specified routeName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoute(Object)** | Redirects (**Status302Found**) to the specified route using the specified routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoute(String, Object)** | Redirects (**Status302Found**) to the specified route using the specified routeName and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoute(String, String)** | Redirects (**Status302Found**) to the specified route using the specified routeName and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoute(String, Object, String)** | Redirects (**Status302Found**) to the specified route using the specified routeName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanent(String)** | Redirects (**Status301MovedPermanently**) to the specified route with **Permanent** set to true using the specified routeName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanent(Object)** | Redirects (**Status301MovedPermanently**) to the specified route with **Permanent** set to true using the specified routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanent(String, Object)** | Redirects (**Status301MovedPermanently**) to the specified route with **Permanent** set to true using the specified routeName and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanent(String, String)** | Redirects (**Status301MovedPermanently**) to the specified route with **Permanent** set to true using the specified routeName and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanent(String, Object, String)** | Redirects (**Status301MovedPermanently**) to the specified route with **Permanent** set to true using the specified routeName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanentPreserveMethod** | Redirects (**Status308PermanentRedirect**) to the specified route with **Permanent** set to true and **PreserveMethod** set to true, using the specified routeName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePreserveMethod** | Redirects (**Status307TemporaryRedirect**) to the specified route with **Permanent** set to false and **PreserveMethod** set to true, using the specified routeName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | [Register](#_121D58C2_Topic) | /Authenticate/Register/ endpoint |
| Public method | **SignIn(ClaimsPrincipal)** | Creates a **SignInResult**. (Inherited from **ControllerBase**.) |
| Public method | **SignIn(ClaimsPrincipal, String)** | Creates a **SignInResult** with the specified authentication scheme. (Inherited from **ControllerBase**.) |
| Public method | **SignIn(ClaimsPrincipal, AuthenticationProperties)** | Creates a **SignInResult** with properties. (Inherited from **ControllerBase**.) |
| Public method | **SignIn(ClaimsPrincipal, AuthenticationProperties, String)** | Creates a **SignInResult** with the specified authentication scheme and properties. (Inherited from **ControllerBase**.) |
| Public method | SignOut() | Creates a **SignOutResult**. (Inherited from **ControllerBase**.) |
| Public method | **SignOut(AuthenticationProperties)** | Creates a **SignOutResult** with properties. (Inherited from **ControllerBase**.) |
| Public method | SignOut(String[]) | Creates a **SignOutResult** with the specified authentication schemes. (Inherited from **ControllerBase**.) |
| Public method | SignOut(AuthenticationProperties, String[]) | Creates a **SignOutResult** with the specified authentication schemes and properties. (Inherited from **ControllerBase**.) |
| Public method | **StatusCode(Int32)** | Creates a **StatusCodeResult** object by specifying a statusCode. (Inherited from **ControllerBase**.) |
| Public method | **StatusCode(Int32, Object)** | Creates a **ObjectResult** object by specifying a statusCode and value (Inherited from **ControllerBase**.) |
| Public method | **ToString** | Returns a string that represents the current object. (Inherited from **Object**.) |
| Public method | **TryUpdateModelAsync(Object, Type, String)** | Updates the specified model instance using values from the controller's current **IValueProvider** and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(Object, Type, String, IValueProvider, Func(ModelMetadata, Boolean)) | Updates the specified model instance using the valueProvider and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel) | Updates the specified model instance using values from the controller's current **IValueProvider**. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String) | Updates the specified model instance using values from the controller's current **IValueProvider** and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String, IValueProvider) | Updates the specified model instance using the valueProvider and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String, Expression(Func(TModel, Object))[]) | Updates the specified model instance using values from the controller's current **IValueProvider** and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String, Func(ModelMetadata, Boolean)) | Updates the specified model instance using values from the controller's current **IValueProvider** and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String, IValueProvider, Expression(Func(TModel, Object))[]) | Updates the specified model instance using the valueProvider and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String, IValueProvider, Func(ModelMetadata, Boolean)) | Updates the specified model instance using the valueProvider and a prefix. (Inherited from **ControllerBase**.) |
| Public method | **TryValidateModel(Object)** | Validates the specified model instance. (Inherited from **ControllerBase**.) |
| Public method | **TryValidateModel(Object, String)** | Validates the specified model instance. (Inherited from **ControllerBase**.) |
| Public method | [UnauthenticateUser](#_27585784_Topic) | Unauthenticate a user (Inherited from [BaseController](#_6C5177A5_Topic).) |
| Public method | Unauthorized() | Creates an **UnauthorizedResult** that produces an **Status401Unauthorized** response. (Inherited from **ControllerBase**.) |
| Public method | **Unauthorized(Object)** | Creates an **UnauthorizedObjectResult** that produces a **Status401Unauthorized** response. (Inherited from **ControllerBase**.) |
| Public method | UnprocessableEntity() | Creates an **UnprocessableEntityResult** that produces a **Status422UnprocessableEntity** response. (Inherited from **ControllerBase**.) |
| Public method | **UnprocessableEntity(Object)** | Creates an **UnprocessableEntityObjectResult** that produces a **Status422UnprocessableEntity** response. (Inherited from **ControllerBase**.) |
| Public method | **UnprocessableEntity(ModelStateDictionary)** | Creates an **UnprocessableEntityObjectResult** that produces a **Status422UnprocessableEntity** response. (Inherited from **ControllerBase**.) |
| Public method | [UserAuthenticated](#_4E91BDB4_Topic) | Check if a user is authenticated (Inherited from [BaseController](#_6C5177A5_Topic).) |
| Public method | [UserSessionExpired](#_298204DC_Topic) | Check if a user's session has expired (Inherited from [BaseController](#_6C5177A5_Topic).) |
| Public method | ValidationProblem() | Creates an **ActionResult** that produces a **Status400BadRequest** response with validation errors from **ModelState**. (Inherited from **ControllerBase**.) |
| Public method | **ValidationProblem(ValidationProblemDetails)** | Creates an **BadRequestObjectResult** that produces a **Status400BadRequest** response. (Inherited from **ControllerBase**.) |
| Public method | **ValidationProblem(ModelStateDictionary)** | Creates an **ActionResult** that produces a **Status400BadRequest** response with validation errors from modelStateDictionary. (Inherited from **ControllerBase**.) |
| Public method | ValidationProblem(String, String, Nullable(Int32), String, String, ModelStateDictionary) | Creates an **ActionResult** that produces a **Status400BadRequest** response with a **ValidationProblemDetails** value. (Inherited from **ControllerBase**.) |

## See Also

[AuthenticateController Class](#_B829B77C_Topic)

[SynopticProject\_Project\_E.Controllers Namespace](#_6415583_Topic)

# AuthenticateController.Login Method

/Authenticate/Login/ endpoint

**Namespace:** [SynopticProject\_Project\_E.Controllers](#_6415583_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[AuthenticateController Class](#_B829B77C_Topic)

[SynopticProject\_Project\_E.Controllers Namespace](#_6415583_Topic)

# AuthenticateController.Logout Method

/Authenticate/Logout endpoint

**Namespace:** [SynopticProject\_Project\_E.Controllers](#_6415583_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[AuthenticateController Class](#_B829B77C_Topic)

[SynopticProject\_Project\_E.Controllers Namespace](#_6415583_Topic)

# AuthenticateController.Register Method

/Authenticate/Register/ endpoint

**Namespace:** [SynopticProject\_Project\_E.Controllers](#_6415583_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[AuthenticateController Class](#_B829B77C_Topic)

[SynopticProject\_Project\_E.Controllers Namespace](#_6415583_Topic)

# BaseController Class

Base controller to implement common methods

## Inheritance Hierarchy

System.Object  
  Microsoft.AspNetCore.Mvc.ControllerBase  
    SynopticProject\_Project\_E.Controllers.BaseController  
      [SynopticProject\_Project\_E.Controllers.AuthenticateController](#_B829B77C_Topic)  
      [SynopticProject\_Project\_E.Controllers.UserController](#_B558E79_Topic)

**Namespace:** [SynopticProject\_Project\_E.Controllers](#_6415583_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

The **BaseController** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Protected method | [BaseController](#_BE18BB74_Topic) | Initializes a new instance of the **BaseController** class |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | **ControllerContext** | Gets or sets the **ControllerContext**. (Inherited from **ControllerBase**.) |
| Public property | **HttpContext** | Gets the **HttpContext** for the executing action. (Inherited from **ControllerBase**.) |
| Public property | **MetadataProvider** | Gets or sets the **IModelMetadataProvider**. (Inherited from **ControllerBase**.) |
| Public property | **ModelBinderFactory** | Gets or sets the **IModelBinderFactory**. (Inherited from **ControllerBase**.) |
| Public property | **ModelState** | Gets the **ModelStateDictionary** that contains the state of the model and of model-binding validation. (Inherited from **ControllerBase**.) |
| Public property | **ObjectValidator** | Gets or sets the **IObjectModelValidator**. (Inherited from **ControllerBase**.) |
| Public property | **ProblemDetailsFactory** | Gets or sets the **ProblemDetailsFactory**. (Inherited from **ControllerBase**.) |
| Public property | **Request** | Gets the **HttpRequest** for the executing action. (Inherited from **ControllerBase**.) |
| Public property | **Response** | Gets the **HttpResponse** for the executing action. (Inherited from **ControllerBase**.) |
| Public property | **RouteData** | Gets the **RouteData** for the executing action. (Inherited from **ControllerBase**.) |
| Public property | **Url** | Gets or sets the **IUrlHelper**. (Inherited from **ControllerBase**.) |
| Public property | **User** | Gets the **ClaimsPrincipal** for user associated with the executing action. (Inherited from **ControllerBase**.) |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | Accepted() | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **Accepted(Object)** | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **Accepted(Uri)** | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **Accepted(String)** | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **Accepted(String, Object)** | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **Accepted(Uri, Object)** | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String, String)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String, Object)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String, String, Object)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String, Object, Object)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String, String, Object, Object)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtRoute(Object)** | Creates a **AcceptedAtRouteResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtRoute(String)** | Creates a **AcceptedAtRouteResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtRoute(String, Object)** | Creates a **AcceptedAtRouteResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtRoute(Object, Object)** | Creates a **AcceptedAtRouteResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtRoute(String, Object, Object)** | Creates a **AcceptedAtRouteResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | [AuthenticateUser](#_CD77F2FE_Topic) | Authenticate the user |
| Public method | BadRequest() | Creates an **BadRequestResult** that produces a **Status400BadRequest** response. (Inherited from **ControllerBase**.) |
| Public method | **BadRequest(Object)** | Creates an **BadRequestObjectResult** that produces a **Status400BadRequest** response. (Inherited from **ControllerBase**.) |
| Public method | **BadRequest(ModelStateDictionary)** | Creates an **BadRequestObjectResult** that produces a **Status400BadRequest** response. (Inherited from **ControllerBase**.) |
| Public method | Challenge() | Creates a **ChallengeResult**. (Inherited from **ControllerBase**.) |
| Public method | Challenge(String[]) | Creates a **ChallengeResult** with the specified authentication schemes. (Inherited from **ControllerBase**.) |
| Public method | **Challenge(AuthenticationProperties)** | Creates a **ChallengeResult** with the specified properties. (Inherited from **ControllerBase**.) |
| Public method | Challenge(AuthenticationProperties, String[]) | Creates a **ChallengeResult** with the specified authentication schemes and properties. (Inherited from **ControllerBase**.) |
| Public method | Conflict() | Creates an **ConflictResult** that produces a **Status409Conflict** response. (Inherited from **ControllerBase**.) |
| Public method | **Conflict(Object)** | Creates an **ConflictObjectResult** that produces a **Status409Conflict** response. (Inherited from **ControllerBase**.) |
| Public method | **Conflict(ModelStateDictionary)** | Creates an **ConflictObjectResult** that produces a **Status409Conflict** response. (Inherited from **ControllerBase**.) |
| Public method | **Content(String)** | Creates a **ContentResult** object by specifying a content string. (Inherited from **ControllerBase**.) |
| Public method | **Content(String, String)** | Creates a **ContentResult** object by specifying a content string and a content type. (Inherited from **ControllerBase**.) |
| Public method | **Content(String, MediaTypeHeaderValue)** | Creates a **ContentResult** object by specifying a content string and a contentType. (Inherited from **ControllerBase**.) |
| Public method | **Content(String, String, Encoding)** | Creates a **ContentResult** object by specifying a content string, a contentType, and contentEncoding. (Inherited from **ControllerBase**.) |
| Public method | **Created(String, Object)** | Creates a **CreatedResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **Created(Uri, Object)** | Creates a **CreatedResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtAction(String, Object)** | Creates a **CreatedAtActionResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtAction(String, Object, Object)** | Creates a **CreatedAtActionResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtAction(String, String, Object, Object)** | Creates a **CreatedAtActionResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtRoute(String, Object)** | Creates a **CreatedAtRouteResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtRoute(Object, Object)** | Creates a **CreatedAtRouteResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtRoute(String, Object, Object)** | Creates a **CreatedAtRouteResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | [CurrentUserHasPermission](#_E34A4706_Topic) | Check if the user has permissions to peform an action |
| Public method | **Equals** | Determines whether the specified object is equal to the current object. (Inherited from **Object**.) |
| Public method | File(Byte[], String) | Returns a file with the specified fileContents as content (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(Stream, String)** | Returns a file in the specified fileStream (**Status200OK**), with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(String, String)** | Returns the file specified by virtualPath (**Status200OK**) with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, Boolean) | Returns a file with the specified fileContents as content (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, String) | Returns a file with the specified fileContents as content (**Status200OK**), the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(Stream, String, Boolean)** | Returns a file in the specified fileStream (**Status200OK**), with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(Stream, String, String)** | Returns a file in the specified fileStream (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(String, String, Boolean)** | Returns the file specified by virtualPath (**Status200OK**) with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(String, String, String)** | Returns the file specified by virtualPath (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, String, Boolean) | Returns a file with the specified fileContents as content (**Status200OK**), the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns a file with the specified fileContents as content (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(Stream, String, String, Boolean)** | Returns a file in the specified fileStream (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Stream, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns a file in the specified fileStream (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(String, String, String, Boolean)** | Returns the file specified by virtualPath (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns the file specified by virtualPath (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns a file with the specified fileContents as content (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns a file with the specified fileContents as content (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Stream, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns a file in the specified fileStream (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Stream, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns a file in the specified fileStream (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns the file specified by virtualPath (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(String, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns the file specified by virtualPath (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns a file with the specified fileContents as content (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Stream, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns a file in the specified fileStream (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(String, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns the file specified by virtualPath (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Protected method | **Finalize** | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from **Object**.) |
| Public method | Forbid() | Creates a **ForbidResult** (**Status403Forbidden** by default). (Inherited from **ControllerBase**.) |
| Public method | Forbid(String[]) | Creates a **ForbidResult** (**Status403Forbidden** by default) with the specified authentication schemes. (Inherited from **ControllerBase**.) |
| Public method | **Forbid(AuthenticationProperties)** | Creates a **ForbidResult** (**Status403Forbidden** by default) with the specified properties. (Inherited from **ControllerBase**.) |
| Public method | Forbid(AuthenticationProperties, String[]) | Creates a **ForbidResult** (**Status403Forbidden** by default) with the specified authentication schemes and properties. (Inherited from **ControllerBase**.) |
| Public method | [GetCurrentUser](#_82653571_Topic) | Returns an instance of the current user |
| Public method | **GetHashCode** | Serves as the default hash function. (Inherited from **Object**.) |
| Public method | **GetType** | Gets the **Type** of the current instance. (Inherited from **Object**.) |
| Public method | **LocalRedirect** | Creates a **LocalRedirectResult** object that redirects (**Status302Found**) to the specified local localUrl. (Inherited from **ControllerBase**.) |
| Public method | **LocalRedirectPermanent** | Creates a **LocalRedirectResult** object with **Permanent** set to true (**Status301MovedPermanently**) using the specified localUrl. (Inherited from **ControllerBase**.) |
| Public method | **LocalRedirectPermanentPreserveMethod** | Creates a **LocalRedirectResult** object with **Permanent** set to true and **PreserveMethod** set to true (**Status308PermanentRedirect**) using the specified localUrl. (Inherited from **ControllerBase**.) |
| Public method | **LocalRedirectPreserveMethod** | Creates a **LocalRedirectResult** object with **Permanent** set to false and **PreserveMethod** set to true (**Status307TemporaryRedirect**) using the specified localUrl. (Inherited from **ControllerBase**.) |
| Protected method | **MemberwiseClone** | Creates a shallow copy of the current **Object**. (Inherited from **Object**.) |
| Public method | **NoContent** | Creates a **NoContentResult** object that produces an empty **Status204NoContent** response. (Inherited from **ControllerBase**.) |
| Public method | NotFound() | Creates an **NotFoundResult** that produces a **Status404NotFound** response. (Inherited from **ControllerBase**.) |
| Public method | **NotFound(Object)** | Creates an **NotFoundObjectResult** that produces a **Status404NotFound** response. (Inherited from **ControllerBase**.) |
| Public method | Ok() | Creates a **OkResult** object that produces an empty **Status200OK** response. (Inherited from **ControllerBase**.) |
| Public method | **Ok(Object)** | Creates an **OkObjectResult** object that produces an **Status200OK** response. (Inherited from **ControllerBase**.) |
| Public method | **PhysicalFile(String, String)** | Returns the file specified by physicalPath (**Status200OK**) with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **PhysicalFile(String, String, Boolean)** | Returns the file specified by physicalPath (**Status200OK**) with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **PhysicalFile(String, String, String)** | Returns the file specified by physicalPath (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **PhysicalFile(String, String, String, Boolean)** | Returns the file specified by physicalPath (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | PhysicalFile(String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns the file specified by physicalPath (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | PhysicalFile(String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns the file specified by physicalPath (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | PhysicalFile(String, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns the file specified by physicalPath (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | PhysicalFile(String, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns the file specified by physicalPath (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **Problem** | Creates an **ObjectResult** that produces a **ProblemDetails** response. (Inherited from **ControllerBase**.) |
| Public method | **Redirect** | Creates a **RedirectResult** object that redirects (**Status302Found**) to the specified url. (Inherited from **ControllerBase**.) |
| Public method | **RedirectPermanent** | Creates a **RedirectResult** object with **Permanent** set to true (**Status301MovedPermanently**) using the specified url. (Inherited from **ControllerBase**.) |
| Public method | **RedirectPermanentPreserveMethod** | Creates a **RedirectResult** object with **Permanent** set to true and **PreserveMethod** set to true (**Status308PermanentRedirect**) using the specified url. (Inherited from **ControllerBase**.) |
| Public method | **RedirectPreserveMethod** | Creates a **RedirectResult** object with **Permanent** set to false and **PreserveMethod** set to true (**Status307TemporaryRedirect**) using the specified url. (Inherited from **ControllerBase**.) |
| Public methodCode example | RedirectToAction() | Redirects (**Status302Found**) to an action with the same name as current one. The 'controller' and 'action' names are retrieved from the ambient values of the current request. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String)** | Redirects (**Status302Found**) to the specified action using the actionName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String, Object)** | Redirects (**Status302Found**) to the specified action using the actionName and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String, String)** | Redirects (**Status302Found**) to the specified action using the actionName and the controllerName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String, String, Object)** | Redirects (**Status302Found**) to the specified action using the specified actionName, controllerName, and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String, String, String)** | Redirects (**Status302Found**) to the specified action using the specified actionName, controllerName, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String, String, Object, String)** | Redirects (**Status302Found**) to the specified action using the specified actionName, controllerName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String, Object)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String, String)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName and controllerName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String, String, String)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName, controllerName, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String, String, Object)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName, controllerName, and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String, String, Object, String)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName, controllerName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanentPreserveMethod** | Redirects (**Status308PermanentRedirect**) to the specified action with **Permanent** set to true and **PreserveMethod** set to true, using the specified actionName, controllerName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPreserveMethod** | Redirects (**Status307TemporaryRedirect**) to the specified action with **Permanent** set to false and **PreserveMethod** set to true, using the specified actionName, controllerName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String)** | Redirects (**Status302Found**) to the specified pageName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String, Object)** | Redirects (**Status302Found**) to the specified pageName using the specified routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String, String)** | Redirects (**Status302Found**) to the specified pageName using the specified pageHandler. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String, String, Object)** | Redirects (**Status302Found**) to the specified pageName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String, String, String)** | Redirects (**Status302Found**) to the specified pageName using the specified fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String, String, Object, String)** | Redirects (**Status302Found**) to the specified pageName using the specified routeValues and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanent(String)** | Redirects (**Status301MovedPermanently**) to the specified pageName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanent(String, Object)** | Redirects (**Status301MovedPermanently**) to the specified pageName using the specified routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanent(String, String)** | Redirects (**Status301MovedPermanently**) to the specified pageName using the specified pageHandler. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanent(String, String, String)** | Redirects (**Status301MovedPermanently**) to the specified pageName using the specified fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanent(String, String, Object, String)** | Redirects (**Status301MovedPermanently**) to the specified pageName using the specified routeValues and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanentPreserveMethod** | Redirects (**Status308PermanentRedirect**) to the specified route with **Permanent** set to true and **PreserveMethod** set to true, using the specified pageName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePreserveMethod** | Redirects (**Status307TemporaryRedirect**) to the specified page with **Permanent** set to false and **PreserveMethod** set to true, using the specified pageName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoute(String)** | Redirects (**Status302Found**) to the specified route using the specified routeName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoute(Object)** | Redirects (**Status302Found**) to the specified route using the specified routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoute(String, Object)** | Redirects (**Status302Found**) to the specified route using the specified routeName and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoute(String, String)** | Redirects (**Status302Found**) to the specified route using the specified routeName and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoute(String, Object, String)** | Redirects (**Status302Found**) to the specified route using the specified routeName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanent(String)** | Redirects (**Status301MovedPermanently**) to the specified route with **Permanent** set to true using the specified routeName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanent(Object)** | Redirects (**Status301MovedPermanently**) to the specified route with **Permanent** set to true using the specified routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanent(String, Object)** | Redirects (**Status301MovedPermanently**) to the specified route with **Permanent** set to true using the specified routeName and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanent(String, String)** | Redirects (**Status301MovedPermanently**) to the specified route with **Permanent** set to true using the specified routeName and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanent(String, Object, String)** | Redirects (**Status301MovedPermanently**) to the specified route with **Permanent** set to true using the specified routeName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanentPreserveMethod** | Redirects (**Status308PermanentRedirect**) to the specified route with **Permanent** set to true and **PreserveMethod** set to true, using the specified routeName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePreserveMethod** | Redirects (**Status307TemporaryRedirect**) to the specified route with **Permanent** set to false and **PreserveMethod** set to true, using the specified routeName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **SignIn(ClaimsPrincipal)** | Creates a **SignInResult**. (Inherited from **ControllerBase**.) |
| Public method | **SignIn(ClaimsPrincipal, String)** | Creates a **SignInResult** with the specified authentication scheme. (Inherited from **ControllerBase**.) |
| Public method | **SignIn(ClaimsPrincipal, AuthenticationProperties)** | Creates a **SignInResult** with properties. (Inherited from **ControllerBase**.) |
| Public method | **SignIn(ClaimsPrincipal, AuthenticationProperties, String)** | Creates a **SignInResult** with the specified authentication scheme and properties. (Inherited from **ControllerBase**.) |
| Public method | SignOut() | Creates a **SignOutResult**. (Inherited from **ControllerBase**.) |
| Public method | **SignOut(AuthenticationProperties)** | Creates a **SignOutResult** with properties. (Inherited from **ControllerBase**.) |
| Public method | SignOut(String[]) | Creates a **SignOutResult** with the specified authentication schemes. (Inherited from **ControllerBase**.) |
| Public method | SignOut(AuthenticationProperties, String[]) | Creates a **SignOutResult** with the specified authentication schemes and properties. (Inherited from **ControllerBase**.) |
| Public method | **StatusCode(Int32)** | Creates a **StatusCodeResult** object by specifying a statusCode. (Inherited from **ControllerBase**.) |
| Public method | **StatusCode(Int32, Object)** | Creates a **ObjectResult** object by specifying a statusCode and value (Inherited from **ControllerBase**.) |
| Public method | **ToString** | Returns a string that represents the current object. (Inherited from **Object**.) |
| Public method | **TryUpdateModelAsync(Object, Type, String)** | Updates the specified model instance using values from the controller's current **IValueProvider** and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(Object, Type, String, IValueProvider, Func(ModelMetadata, Boolean)) | Updates the specified model instance using the valueProvider and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel) | Updates the specified model instance using values from the controller's current **IValueProvider**. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String) | Updates the specified model instance using values from the controller's current **IValueProvider** and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String, IValueProvider) | Updates the specified model instance using the valueProvider and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String, Expression(Func(TModel, Object))[]) | Updates the specified model instance using values from the controller's current **IValueProvider** and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String, Func(ModelMetadata, Boolean)) | Updates the specified model instance using values from the controller's current **IValueProvider** and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String, IValueProvider, Expression(Func(TModel, Object))[]) | Updates the specified model instance using the valueProvider and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String, IValueProvider, Func(ModelMetadata, Boolean)) | Updates the specified model instance using the valueProvider and a prefix. (Inherited from **ControllerBase**.) |
| Public method | **TryValidateModel(Object)** | Validates the specified model instance. (Inherited from **ControllerBase**.) |
| Public method | **TryValidateModel(Object, String)** | Validates the specified model instance. (Inherited from **ControllerBase**.) |
| Public method | [UnauthenticateUser](#_27585784_Topic) | Unauthenticate a user |
| Public method | Unauthorized() | Creates an **UnauthorizedResult** that produces an **Status401Unauthorized** response. (Inherited from **ControllerBase**.) |
| Public method | **Unauthorized(Object)** | Creates an **UnauthorizedObjectResult** that produces a **Status401Unauthorized** response. (Inherited from **ControllerBase**.) |
| Public method | UnprocessableEntity() | Creates an **UnprocessableEntityResult** that produces a **Status422UnprocessableEntity** response. (Inherited from **ControllerBase**.) |
| Public method | **UnprocessableEntity(Object)** | Creates an **UnprocessableEntityObjectResult** that produces a **Status422UnprocessableEntity** response. (Inherited from **ControllerBase**.) |
| Public method | **UnprocessableEntity(ModelStateDictionary)** | Creates an **UnprocessableEntityObjectResult** that produces a **Status422UnprocessableEntity** response. (Inherited from **ControllerBase**.) |
| Public method | [UserAuthenticated](#_4E91BDB4_Topic) | Check if a user is authenticated |
| Public method | [UserSessionExpired](#_298204DC_Topic) | Check if a user's session has expired |
| Public method | ValidationProblem() | Creates an **ActionResult** that produces a **Status400BadRequest** response with validation errors from **ModelState**. (Inherited from **ControllerBase**.) |
| Public method | **ValidationProblem(ValidationProblemDetails)** | Creates an **BadRequestObjectResult** that produces a **Status400BadRequest** response. (Inherited from **ControllerBase**.) |
| Public method | **ValidationProblem(ModelStateDictionary)** | Creates an **ActionResult** that produces a **Status400BadRequest** response with validation errors from modelStateDictionary. (Inherited from **ControllerBase**.) |
| Public method | ValidationProblem(String, String, Nullable(Int32), String, String, ModelStateDictionary) | Creates an **ActionResult** that produces a **Status400BadRequest** response with a **ValidationProblemDetails** value. (Inherited from **ControllerBase**.) |

## Fields

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Protected fieldStatic member | [CARD\_ID\_LENGTH](#_83FCC929_Topic) | Constant defining the length of a card ID |

## See Also

[SynopticProject\_Project\_E.Controllers Namespace](#_6415583_Topic)

# BaseController Constructor

Initializes a new instance of the [BaseController](#_6C5177A5_Topic) class

**Namespace:** [SynopticProject\_Project\_E.Controllers](#_6415583_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[BaseController Class](#_6C5177A5_Topic)

[SynopticProject\_Project\_E.Controllers Namespace](#_6415583_Topic)

# BaseController.BaseController Properties

The [BaseController](#_6C5177A5_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | **ControllerContext** | Gets or sets the **ControllerContext**. (Inherited from **ControllerBase**.) |
| Public property | **HttpContext** | Gets the **HttpContext** for the executing action. (Inherited from **ControllerBase**.) |
| Public property | **MetadataProvider** | Gets or sets the **IModelMetadataProvider**. (Inherited from **ControllerBase**.) |
| Public property | **ModelBinderFactory** | Gets or sets the **IModelBinderFactory**. (Inherited from **ControllerBase**.) |
| Public property | **ModelState** | Gets the **ModelStateDictionary** that contains the state of the model and of model-binding validation. (Inherited from **ControllerBase**.) |
| Public property | **ObjectValidator** | Gets or sets the **IObjectModelValidator**. (Inherited from **ControllerBase**.) |
| Public property | **ProblemDetailsFactory** | Gets or sets the **ProblemDetailsFactory**. (Inherited from **ControllerBase**.) |
| Public property | **Request** | Gets the **HttpRequest** for the executing action. (Inherited from **ControllerBase**.) |
| Public property | **Response** | Gets the **HttpResponse** for the executing action. (Inherited from **ControllerBase**.) |
| Public property | **RouteData** | Gets the **RouteData** for the executing action. (Inherited from **ControllerBase**.) |
| Public property | **Url** | Gets or sets the **IUrlHelper**. (Inherited from **ControllerBase**.) |
| Public property | **User** | Gets the **ClaimsPrincipal** for user associated with the executing action. (Inherited from **ControllerBase**.) |

## See Also

[BaseController Class](#_6C5177A5_Topic)

[SynopticProject\_Project\_E.Controllers Namespace](#_6415583_Topic)

# BaseController.BaseController Methods

The [BaseController](#_6C5177A5_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | Accepted() | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **Accepted(Object)** | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **Accepted(Uri)** | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **Accepted(String)** | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **Accepted(String, Object)** | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **Accepted(Uri, Object)** | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String, String)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String, Object)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String, String, Object)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String, Object, Object)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String, String, Object, Object)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtRoute(Object)** | Creates a **AcceptedAtRouteResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtRoute(String)** | Creates a **AcceptedAtRouteResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtRoute(String, Object)** | Creates a **AcceptedAtRouteResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtRoute(Object, Object)** | Creates a **AcceptedAtRouteResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtRoute(String, Object, Object)** | Creates a **AcceptedAtRouteResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | [AuthenticateUser](#_CD77F2FE_Topic) | Authenticate the user |
| Public method | BadRequest() | Creates an **BadRequestResult** that produces a **Status400BadRequest** response. (Inherited from **ControllerBase**.) |
| Public method | **BadRequest(Object)** | Creates an **BadRequestObjectResult** that produces a **Status400BadRequest** response. (Inherited from **ControllerBase**.) |
| Public method | **BadRequest(ModelStateDictionary)** | Creates an **BadRequestObjectResult** that produces a **Status400BadRequest** response. (Inherited from **ControllerBase**.) |
| Public method | Challenge() | Creates a **ChallengeResult**. (Inherited from **ControllerBase**.) |
| Public method | Challenge(String[]) | Creates a **ChallengeResult** with the specified authentication schemes. (Inherited from **ControllerBase**.) |
| Public method | **Challenge(AuthenticationProperties)** | Creates a **ChallengeResult** with the specified properties. (Inherited from **ControllerBase**.) |
| Public method | Challenge(AuthenticationProperties, String[]) | Creates a **ChallengeResult** with the specified authentication schemes and properties. (Inherited from **ControllerBase**.) |
| Public method | Conflict() | Creates an **ConflictResult** that produces a **Status409Conflict** response. (Inherited from **ControllerBase**.) |
| Public method | **Conflict(Object)** | Creates an **ConflictObjectResult** that produces a **Status409Conflict** response. (Inherited from **ControllerBase**.) |
| Public method | **Conflict(ModelStateDictionary)** | Creates an **ConflictObjectResult** that produces a **Status409Conflict** response. (Inherited from **ControllerBase**.) |
| Public method | **Content(String)** | Creates a **ContentResult** object by specifying a content string. (Inherited from **ControllerBase**.) |
| Public method | **Content(String, String)** | Creates a **ContentResult** object by specifying a content string and a content type. (Inherited from **ControllerBase**.) |
| Public method | **Content(String, MediaTypeHeaderValue)** | Creates a **ContentResult** object by specifying a content string and a contentType. (Inherited from **ControllerBase**.) |
| Public method | **Content(String, String, Encoding)** | Creates a **ContentResult** object by specifying a content string, a contentType, and contentEncoding. (Inherited from **ControllerBase**.) |
| Public method | **Created(String, Object)** | Creates a **CreatedResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **Created(Uri, Object)** | Creates a **CreatedResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtAction(String, Object)** | Creates a **CreatedAtActionResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtAction(String, Object, Object)** | Creates a **CreatedAtActionResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtAction(String, String, Object, Object)** | Creates a **CreatedAtActionResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtRoute(String, Object)** | Creates a **CreatedAtRouteResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtRoute(Object, Object)** | Creates a **CreatedAtRouteResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtRoute(String, Object, Object)** | Creates a **CreatedAtRouteResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | [CurrentUserHasPermission](#_E34A4706_Topic) | Check if the user has permissions to peform an action |
| Public method | **Equals** | Determines whether the specified object is equal to the current object. (Inherited from **Object**.) |
| Public method | File(Byte[], String) | Returns a file with the specified fileContents as content (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(Stream, String)** | Returns a file in the specified fileStream (**Status200OK**), with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(String, String)** | Returns the file specified by virtualPath (**Status200OK**) with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, Boolean) | Returns a file with the specified fileContents as content (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, String) | Returns a file with the specified fileContents as content (**Status200OK**), the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(Stream, String, Boolean)** | Returns a file in the specified fileStream (**Status200OK**), with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(Stream, String, String)** | Returns a file in the specified fileStream (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(String, String, Boolean)** | Returns the file specified by virtualPath (**Status200OK**) with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(String, String, String)** | Returns the file specified by virtualPath (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, String, Boolean) | Returns a file with the specified fileContents as content (**Status200OK**), the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns a file with the specified fileContents as content (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(Stream, String, String, Boolean)** | Returns a file in the specified fileStream (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Stream, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns a file in the specified fileStream (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(String, String, String, Boolean)** | Returns the file specified by virtualPath (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns the file specified by virtualPath (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns a file with the specified fileContents as content (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns a file with the specified fileContents as content (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Stream, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns a file in the specified fileStream (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Stream, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns a file in the specified fileStream (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns the file specified by virtualPath (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(String, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns the file specified by virtualPath (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns a file with the specified fileContents as content (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Stream, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns a file in the specified fileStream (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(String, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns the file specified by virtualPath (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Protected method | **Finalize** | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from **Object**.) |
| Public method | Forbid() | Creates a **ForbidResult** (**Status403Forbidden** by default). (Inherited from **ControllerBase**.) |
| Public method | Forbid(String[]) | Creates a **ForbidResult** (**Status403Forbidden** by default) with the specified authentication schemes. (Inherited from **ControllerBase**.) |
| Public method | **Forbid(AuthenticationProperties)** | Creates a **ForbidResult** (**Status403Forbidden** by default) with the specified properties. (Inherited from **ControllerBase**.) |
| Public method | Forbid(AuthenticationProperties, String[]) | Creates a **ForbidResult** (**Status403Forbidden** by default) with the specified authentication schemes and properties. (Inherited from **ControllerBase**.) |
| Public method | [GetCurrentUser](#_82653571_Topic) | Returns an instance of the current user |
| Public method | **GetHashCode** | Serves as the default hash function. (Inherited from **Object**.) |
| Public method | **GetType** | Gets the **Type** of the current instance. (Inherited from **Object**.) |
| Public method | **LocalRedirect** | Creates a **LocalRedirectResult** object that redirects (**Status302Found**) to the specified local localUrl. (Inherited from **ControllerBase**.) |
| Public method | **LocalRedirectPermanent** | Creates a **LocalRedirectResult** object with **Permanent** set to true (**Status301MovedPermanently**) using the specified localUrl. (Inherited from **ControllerBase**.) |
| Public method | **LocalRedirectPermanentPreserveMethod** | Creates a **LocalRedirectResult** object with **Permanent** set to true and **PreserveMethod** set to true (**Status308PermanentRedirect**) using the specified localUrl. (Inherited from **ControllerBase**.) |
| Public method | **LocalRedirectPreserveMethod** | Creates a **LocalRedirectResult** object with **Permanent** set to false and **PreserveMethod** set to true (**Status307TemporaryRedirect**) using the specified localUrl. (Inherited from **ControllerBase**.) |
| Protected method | **MemberwiseClone** | Creates a shallow copy of the current **Object**. (Inherited from **Object**.) |
| Public method | **NoContent** | Creates a **NoContentResult** object that produces an empty **Status204NoContent** response. (Inherited from **ControllerBase**.) |
| Public method | NotFound() | Creates an **NotFoundResult** that produces a **Status404NotFound** response. (Inherited from **ControllerBase**.) |
| Public method | **NotFound(Object)** | Creates an **NotFoundObjectResult** that produces a **Status404NotFound** response. (Inherited from **ControllerBase**.) |
| Public method | Ok() | Creates a **OkResult** object that produces an empty **Status200OK** response. (Inherited from **ControllerBase**.) |
| Public method | **Ok(Object)** | Creates an **OkObjectResult** object that produces an **Status200OK** response. (Inherited from **ControllerBase**.) |
| Public method | **PhysicalFile(String, String)** | Returns the file specified by physicalPath (**Status200OK**) with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **PhysicalFile(String, String, Boolean)** | Returns the file specified by physicalPath (**Status200OK**) with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **PhysicalFile(String, String, String)** | Returns the file specified by physicalPath (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **PhysicalFile(String, String, String, Boolean)** | Returns the file specified by physicalPath (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | PhysicalFile(String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns the file specified by physicalPath (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | PhysicalFile(String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns the file specified by physicalPath (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | PhysicalFile(String, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns the file specified by physicalPath (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | PhysicalFile(String, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns the file specified by physicalPath (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **Problem** | Creates an **ObjectResult** that produces a **ProblemDetails** response. (Inherited from **ControllerBase**.) |
| Public method | **Redirect** | Creates a **RedirectResult** object that redirects (**Status302Found**) to the specified url. (Inherited from **ControllerBase**.) |
| Public method | **RedirectPermanent** | Creates a **RedirectResult** object with **Permanent** set to true (**Status301MovedPermanently**) using the specified url. (Inherited from **ControllerBase**.) |
| Public method | **RedirectPermanentPreserveMethod** | Creates a **RedirectResult** object with **Permanent** set to true and **PreserveMethod** set to true (**Status308PermanentRedirect**) using the specified url. (Inherited from **ControllerBase**.) |
| Public method | **RedirectPreserveMethod** | Creates a **RedirectResult** object with **Permanent** set to false and **PreserveMethod** set to true (**Status307TemporaryRedirect**) using the specified url. (Inherited from **ControllerBase**.) |
| Public methodCode example | RedirectToAction() | Redirects (**Status302Found**) to an action with the same name as current one. The 'controller' and 'action' names are retrieved from the ambient values of the current request. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String)** | Redirects (**Status302Found**) to the specified action using the actionName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String, Object)** | Redirects (**Status302Found**) to the specified action using the actionName and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String, String)** | Redirects (**Status302Found**) to the specified action using the actionName and the controllerName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String, String, Object)** | Redirects (**Status302Found**) to the specified action using the specified actionName, controllerName, and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String, String, String)** | Redirects (**Status302Found**) to the specified action using the specified actionName, controllerName, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String, String, Object, String)** | Redirects (**Status302Found**) to the specified action using the specified actionName, controllerName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String, Object)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String, String)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName and controllerName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String, String, String)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName, controllerName, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String, String, Object)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName, controllerName, and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String, String, Object, String)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName, controllerName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanentPreserveMethod** | Redirects (**Status308PermanentRedirect**) to the specified action with **Permanent** set to true and **PreserveMethod** set to true, using the specified actionName, controllerName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPreserveMethod** | Redirects (**Status307TemporaryRedirect**) to the specified action with **Permanent** set to false and **PreserveMethod** set to true, using the specified actionName, controllerName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String)** | Redirects (**Status302Found**) to the specified pageName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String, Object)** | Redirects (**Status302Found**) to the specified pageName using the specified routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String, String)** | Redirects (**Status302Found**) to the specified pageName using the specified pageHandler. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String, String, Object)** | Redirects (**Status302Found**) to the specified pageName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String, String, String)** | Redirects (**Status302Found**) to the specified pageName using the specified fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String, String, Object, String)** | Redirects (**Status302Found**) to the specified pageName using the specified routeValues and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanent(String)** | Redirects (**Status301MovedPermanently**) to the specified pageName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanent(String, Object)** | Redirects (**Status301MovedPermanently**) to the specified pageName using the specified routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanent(String, String)** | Redirects (**Status301MovedPermanently**) to the specified pageName using the specified pageHandler. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanent(String, String, String)** | Redirects (**Status301MovedPermanently**) to the specified pageName using the specified fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanent(String, String, Object, String)** | Redirects (**Status301MovedPermanently**) to the specified pageName using the specified routeValues and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanentPreserveMethod** | Redirects (**Status308PermanentRedirect**) to the specified route with **Permanent** set to true and **PreserveMethod** set to true, using the specified pageName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePreserveMethod** | Redirects (**Status307TemporaryRedirect**) to the specified page with **Permanent** set to false and **PreserveMethod** set to true, using the specified pageName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoute(String)** | Redirects (**Status302Found**) to the specified route using the specified routeName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoute(Object)** | Redirects (**Status302Found**) to the specified route using the specified routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoute(String, Object)** | Redirects (**Status302Found**) to the specified route using the specified routeName and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoute(String, String)** | Redirects (**Status302Found**) to the specified route using the specified routeName and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoute(String, Object, String)** | Redirects (**Status302Found**) to the specified route using the specified routeName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanent(String)** | Redirects (**Status301MovedPermanently**) to the specified route with **Permanent** set to true using the specified routeName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanent(Object)** | Redirects (**Status301MovedPermanently**) to the specified route with **Permanent** set to true using the specified routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanent(String, Object)** | Redirects (**Status301MovedPermanently**) to the specified route with **Permanent** set to true using the specified routeName and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanent(String, String)** | Redirects (**Status301MovedPermanently**) to the specified route with **Permanent** set to true using the specified routeName and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanent(String, Object, String)** | Redirects (**Status301MovedPermanently**) to the specified route with **Permanent** set to true using the specified routeName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanentPreserveMethod** | Redirects (**Status308PermanentRedirect**) to the specified route with **Permanent** set to true and **PreserveMethod** set to true, using the specified routeName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePreserveMethod** | Redirects (**Status307TemporaryRedirect**) to the specified route with **Permanent** set to false and **PreserveMethod** set to true, using the specified routeName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **SignIn(ClaimsPrincipal)** | Creates a **SignInResult**. (Inherited from **ControllerBase**.) |
| Public method | **SignIn(ClaimsPrincipal, String)** | Creates a **SignInResult** with the specified authentication scheme. (Inherited from **ControllerBase**.) |
| Public method | **SignIn(ClaimsPrincipal, AuthenticationProperties)** | Creates a **SignInResult** with properties. (Inherited from **ControllerBase**.) |
| Public method | **SignIn(ClaimsPrincipal, AuthenticationProperties, String)** | Creates a **SignInResult** with the specified authentication scheme and properties. (Inherited from **ControllerBase**.) |
| Public method | SignOut() | Creates a **SignOutResult**. (Inherited from **ControllerBase**.) |
| Public method | **SignOut(AuthenticationProperties)** | Creates a **SignOutResult** with properties. (Inherited from **ControllerBase**.) |
| Public method | SignOut(String[]) | Creates a **SignOutResult** with the specified authentication schemes. (Inherited from **ControllerBase**.) |
| Public method | SignOut(AuthenticationProperties, String[]) | Creates a **SignOutResult** with the specified authentication schemes and properties. (Inherited from **ControllerBase**.) |
| Public method | **StatusCode(Int32)** | Creates a **StatusCodeResult** object by specifying a statusCode. (Inherited from **ControllerBase**.) |
| Public method | **StatusCode(Int32, Object)** | Creates a **ObjectResult** object by specifying a statusCode and value (Inherited from **ControllerBase**.) |
| Public method | **ToString** | Returns a string that represents the current object. (Inherited from **Object**.) |
| Public method | **TryUpdateModelAsync(Object, Type, String)** | Updates the specified model instance using values from the controller's current **IValueProvider** and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(Object, Type, String, IValueProvider, Func(ModelMetadata, Boolean)) | Updates the specified model instance using the valueProvider and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel) | Updates the specified model instance using values from the controller's current **IValueProvider**. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String) | Updates the specified model instance using values from the controller's current **IValueProvider** and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String, IValueProvider) | Updates the specified model instance using the valueProvider and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String, Expression(Func(TModel, Object))[]) | Updates the specified model instance using values from the controller's current **IValueProvider** and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String, Func(ModelMetadata, Boolean)) | Updates the specified model instance using values from the controller's current **IValueProvider** and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String, IValueProvider, Expression(Func(TModel, Object))[]) | Updates the specified model instance using the valueProvider and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String, IValueProvider, Func(ModelMetadata, Boolean)) | Updates the specified model instance using the valueProvider and a prefix. (Inherited from **ControllerBase**.) |
| Public method | **TryValidateModel(Object)** | Validates the specified model instance. (Inherited from **ControllerBase**.) |
| Public method | **TryValidateModel(Object, String)** | Validates the specified model instance. (Inherited from **ControllerBase**.) |
| Public method | [UnauthenticateUser](#_27585784_Topic) | Unauthenticate a user |
| Public method | Unauthorized() | Creates an **UnauthorizedResult** that produces an **Status401Unauthorized** response. (Inherited from **ControllerBase**.) |
| Public method | **Unauthorized(Object)** | Creates an **UnauthorizedObjectResult** that produces a **Status401Unauthorized** response. (Inherited from **ControllerBase**.) |
| Public method | UnprocessableEntity() | Creates an **UnprocessableEntityResult** that produces a **Status422UnprocessableEntity** response. (Inherited from **ControllerBase**.) |
| Public method | **UnprocessableEntity(Object)** | Creates an **UnprocessableEntityObjectResult** that produces a **Status422UnprocessableEntity** response. (Inherited from **ControllerBase**.) |
| Public method | **UnprocessableEntity(ModelStateDictionary)** | Creates an **UnprocessableEntityObjectResult** that produces a **Status422UnprocessableEntity** response. (Inherited from **ControllerBase**.) |
| Public method | [UserAuthenticated](#_4E91BDB4_Topic) | Check if a user is authenticated |
| Public method | [UserSessionExpired](#_298204DC_Topic) | Check if a user's session has expired |
| Public method | ValidationProblem() | Creates an **ActionResult** that produces a **Status400BadRequest** response with validation errors from **ModelState**. (Inherited from **ControllerBase**.) |
| Public method | **ValidationProblem(ValidationProblemDetails)** | Creates an **BadRequestObjectResult** that produces a **Status400BadRequest** response. (Inherited from **ControllerBase**.) |
| Public method | **ValidationProblem(ModelStateDictionary)** | Creates an **ActionResult** that produces a **Status400BadRequest** response with validation errors from modelStateDictionary. (Inherited from **ControllerBase**.) |
| Public method | ValidationProblem(String, String, Nullable(Int32), String, String, ModelStateDictionary) | Creates an **ActionResult** that produces a **Status400BadRequest** response with a **ValidationProblemDetails** value. (Inherited from **ControllerBase**.) |

## See Also

[BaseController Class](#_6C5177A5_Topic)

[SynopticProject\_Project\_E.Controllers Namespace](#_6415583_Topic)

# BaseController.AuthenticateUser Method

Authenticate the user

**Namespace:** [SynopticProject\_Project\_E.Controllers](#_6415583_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[BaseController Class](#_6C5177A5_Topic)

[SynopticProject\_Project\_E.Controllers Namespace](#_6415583_Topic)

# BaseController.CurrentUserHasPermission Method

Check if the user has permissions to peform an action

**Namespace:** [SynopticProject\_Project\_E.Controllers](#_6415583_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[BaseController Class](#_6C5177A5_Topic)

[SynopticProject\_Project\_E.Controllers Namespace](#_6415583_Topic)

# BaseController.GetCurrentUser Method

Returns an instance of the current user

**Namespace:** [SynopticProject\_Project\_E.Controllers](#_6415583_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[BaseController Class](#_6C5177A5_Topic)

[SynopticProject\_Project\_E.Controllers Namespace](#_6415583_Topic)

# BaseController.UnauthenticateUser Method

Unauthenticate a user

**Namespace:** [SynopticProject\_Project\_E.Controllers](#_6415583_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[BaseController Class](#_6C5177A5_Topic)

[SynopticProject\_Project\_E.Controllers Namespace](#_6415583_Topic)

# BaseController.UserAuthenticated Method

Check if a user is authenticated

**Namespace:** [SynopticProject\_Project\_E.Controllers](#_6415583_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[BaseController Class](#_6C5177A5_Topic)

[SynopticProject\_Project\_E.Controllers Namespace](#_6415583_Topic)

# BaseController.UserSessionExpired Method

Check if a user's session has expired

**Namespace:** [SynopticProject\_Project\_E.Controllers](#_6415583_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[BaseController Class](#_6C5177A5_Topic)

[SynopticProject\_Project\_E.Controllers Namespace](#_6415583_Topic)

# BaseController.BaseController Fields

The [BaseController](#_6C5177A5_Topic) type exposes the following members.

## Fields

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Protected fieldStatic member | [CARD\_ID\_LENGTH](#_83FCC929_Topic) | Constant defining the length of a card ID |

## See Also

[BaseController Class](#_6C5177A5_Topic)

[SynopticProject\_Project\_E.Controllers Namespace](#_6415583_Topic)

# BaseController.CARD\_ID\_LENGTH Field

Constant defining the length of a card ID

**Namespace:** [SynopticProject\_Project\_E.Controllers](#_6415583_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[BaseController Class](#_6C5177A5_Topic)

[SynopticProject\_Project\_E.Controllers Namespace](#_6415583_Topic)

# UserController Class

User management controller

## Inheritance Hierarchy

System.Object  
  Microsoft.AspNetCore.Mvc.ControllerBase  
    [SynopticProject\_Project\_E.Controllers.BaseController](#_6C5177A5_Topic)  
      SynopticProject\_Project\_E.Controllers.UserController

**Namespace:** [SynopticProject\_Project\_E.Controllers](#_6415583_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

The **UserController** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [UserController](#_915667CB_Topic) | Initializes a new instance of the **UserController** class |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | **ControllerContext** | Gets or sets the **ControllerContext**. (Inherited from **ControllerBase**.) |
| Public property | **HttpContext** | Gets the **HttpContext** for the executing action. (Inherited from **ControllerBase**.) |
| Public property | **MetadataProvider** | Gets or sets the **IModelMetadataProvider**. (Inherited from **ControllerBase**.) |
| Public property | **ModelBinderFactory** | Gets or sets the **IModelBinderFactory**. (Inherited from **ControllerBase**.) |
| Public property | **ModelState** | Gets the **ModelStateDictionary** that contains the state of the model and of model-binding validation. (Inherited from **ControllerBase**.) |
| Public property | **ObjectValidator** | Gets or sets the **IObjectModelValidator**. (Inherited from **ControllerBase**.) |
| Public property | **ProblemDetailsFactory** | Gets or sets the **ProblemDetailsFactory**. (Inherited from **ControllerBase**.) |
| Public property | **Request** | Gets the **HttpRequest** for the executing action. (Inherited from **ControllerBase**.) |
| Public property | **Response** | Gets the **HttpResponse** for the executing action. (Inherited from **ControllerBase**.) |
| Public property | **RouteData** | Gets the **RouteData** for the executing action. (Inherited from **ControllerBase**.) |
| Public property | **Url** | Gets or sets the **IUrlHelper**. (Inherited from **ControllerBase**.) |
| Public property | **User** | Gets the **ClaimsPrincipal** for user associated with the executing action. (Inherited from **ControllerBase**.) |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | Accepted() | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **Accepted(Object)** | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **Accepted(Uri)** | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **Accepted(String)** | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **Accepted(String, Object)** | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **Accepted(Uri, Object)** | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String, String)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String, Object)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String, String, Object)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String, Object, Object)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String, String, Object, Object)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtRoute(Object)** | Creates a **AcceptedAtRouteResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtRoute(String)** | Creates a **AcceptedAtRouteResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtRoute(String, Object)** | Creates a **AcceptedAtRouteResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtRoute(Object, Object)** | Creates a **AcceptedAtRouteResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtRoute(String, Object, Object)** | Creates a **AcceptedAtRouteResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | [AuthenticateUser](#_CD77F2FE_Topic) | Authenticate the user (Inherited from [BaseController](#_6C5177A5_Topic).) |
| Public method | BadRequest() | Creates an **BadRequestResult** that produces a **Status400BadRequest** response. (Inherited from **ControllerBase**.) |
| Public method | **BadRequest(Object)** | Creates an **BadRequestObjectResult** that produces a **Status400BadRequest** response. (Inherited from **ControllerBase**.) |
| Public method | **BadRequest(ModelStateDictionary)** | Creates an **BadRequestObjectResult** that produces a **Status400BadRequest** response. (Inherited from **ControllerBase**.) |
| Public method | Challenge() | Creates a **ChallengeResult**. (Inherited from **ControllerBase**.) |
| Public method | Challenge(String[]) | Creates a **ChallengeResult** with the specified authentication schemes. (Inherited from **ControllerBase**.) |
| Public method | **Challenge(AuthenticationProperties)** | Creates a **ChallengeResult** with the specified properties. (Inherited from **ControllerBase**.) |
| Public method | Challenge(AuthenticationProperties, String[]) | Creates a **ChallengeResult** with the specified authentication schemes and properties. (Inherited from **ControllerBase**.) |
| Public method | Conflict() | Creates an **ConflictResult** that produces a **Status409Conflict** response. (Inherited from **ControllerBase**.) |
| Public method | **Conflict(Object)** | Creates an **ConflictObjectResult** that produces a **Status409Conflict** response. (Inherited from **ControllerBase**.) |
| Public method | **Conflict(ModelStateDictionary)** | Creates an **ConflictObjectResult** that produces a **Status409Conflict** response. (Inherited from **ControllerBase**.) |
| Public method | **Content(String)** | Creates a **ContentResult** object by specifying a content string. (Inherited from **ControllerBase**.) |
| Public method | **Content(String, String)** | Creates a **ContentResult** object by specifying a content string and a content type. (Inherited from **ControllerBase**.) |
| Public method | **Content(String, MediaTypeHeaderValue)** | Creates a **ContentResult** object by specifying a content string and a contentType. (Inherited from **ControllerBase**.) |
| Public method | **Content(String, String, Encoding)** | Creates a **ContentResult** object by specifying a content string, a contentType, and contentEncoding. (Inherited from **ControllerBase**.) |
| Public method | **Created(String, Object)** | Creates a **CreatedResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **Created(Uri, Object)** | Creates a **CreatedResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtAction(String, Object)** | Creates a **CreatedAtActionResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtAction(String, Object, Object)** | Creates a **CreatedAtActionResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtAction(String, String, Object, Object)** | Creates a **CreatedAtActionResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtRoute(String, Object)** | Creates a **CreatedAtRouteResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtRoute(Object, Object)** | Creates a **CreatedAtRouteResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtRoute(String, Object, Object)** | Creates a **CreatedAtRouteResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | [CurrentUserHasPermission](#_E34A4706_Topic) | Check if the user has permissions to peform an action (Inherited from [BaseController](#_6C5177A5_Topic).) |
| Public method | **Equals** | Determines whether the specified object is equal to the current object. (Inherited from **Object**.) |
| Public method | File(Byte[], String) | Returns a file with the specified fileContents as content (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(Stream, String)** | Returns a file in the specified fileStream (**Status200OK**), with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(String, String)** | Returns the file specified by virtualPath (**Status200OK**) with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, Boolean) | Returns a file with the specified fileContents as content (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, String) | Returns a file with the specified fileContents as content (**Status200OK**), the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(Stream, String, Boolean)** | Returns a file in the specified fileStream (**Status200OK**), with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(Stream, String, String)** | Returns a file in the specified fileStream (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(String, String, Boolean)** | Returns the file specified by virtualPath (**Status200OK**) with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(String, String, String)** | Returns the file specified by virtualPath (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, String, Boolean) | Returns a file with the specified fileContents as content (**Status200OK**), the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns a file with the specified fileContents as content (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(Stream, String, String, Boolean)** | Returns a file in the specified fileStream (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Stream, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns a file in the specified fileStream (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(String, String, String, Boolean)** | Returns the file specified by virtualPath (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns the file specified by virtualPath (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns a file with the specified fileContents as content (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns a file with the specified fileContents as content (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Stream, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns a file in the specified fileStream (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Stream, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns a file in the specified fileStream (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns the file specified by virtualPath (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(String, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns the file specified by virtualPath (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns a file with the specified fileContents as content (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Stream, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns a file in the specified fileStream (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(String, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns the file specified by virtualPath (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Protected method | **Finalize** | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from **Object**.) |
| Public method | Forbid() | Creates a **ForbidResult** (**Status403Forbidden** by default). (Inherited from **ControllerBase**.) |
| Public method | Forbid(String[]) | Creates a **ForbidResult** (**Status403Forbidden** by default) with the specified authentication schemes. (Inherited from **ControllerBase**.) |
| Public method | **Forbid(AuthenticationProperties)** | Creates a **ForbidResult** (**Status403Forbidden** by default) with the specified properties. (Inherited from **ControllerBase**.) |
| Public method | Forbid(AuthenticationProperties, String[]) | Creates a **ForbidResult** (**Status403Forbidden** by default) with the specified authentication schemes and properties. (Inherited from **ControllerBase**.) |
| Public method | [Get](#_2B42C137_Topic) | Get a user by Card ID |
| Public method | [GetCurrentUser](#_82653571_Topic) | Returns an instance of the current user (Inherited from [BaseController](#_6C5177A5_Topic).) |
| Public method | **GetHashCode** | Serves as the default hash function. (Inherited from **Object**.) |
| Public method | **GetType** | Gets the **Type** of the current instance. (Inherited from **Object**.) |
| Public method | **LocalRedirect** | Creates a **LocalRedirectResult** object that redirects (**Status302Found**) to the specified local localUrl. (Inherited from **ControllerBase**.) |
| Public method | **LocalRedirectPermanent** | Creates a **LocalRedirectResult** object with **Permanent** set to true (**Status301MovedPermanently**) using the specified localUrl. (Inherited from **ControllerBase**.) |
| Public method | **LocalRedirectPermanentPreserveMethod** | Creates a **LocalRedirectResult** object with **Permanent** set to true and **PreserveMethod** set to true (**Status308PermanentRedirect**) using the specified localUrl. (Inherited from **ControllerBase**.) |
| Public method | **LocalRedirectPreserveMethod** | Creates a **LocalRedirectResult** object with **Permanent** set to false and **PreserveMethod** set to true (**Status307TemporaryRedirect**) using the specified localUrl. (Inherited from **ControllerBase**.) |
| Protected method | **MemberwiseClone** | Creates a shallow copy of the current **Object**. (Inherited from **Object**.) |
| Public method | **NoContent** | Creates a **NoContentResult** object that produces an empty **Status204NoContent** response. (Inherited from **ControllerBase**.) |
| Public method | NotFound() | Creates an **NotFoundResult** that produces a **Status404NotFound** response. (Inherited from **ControllerBase**.) |
| Public method | **NotFound(Object)** | Creates an **NotFoundObjectResult** that produces a **Status404NotFound** response. (Inherited from **ControllerBase**.) |
| Public method | Ok() | Creates a **OkResult** object that produces an empty **Status200OK** response. (Inherited from **ControllerBase**.) |
| Public method | **Ok(Object)** | Creates an **OkObjectResult** object that produces an **Status200OK** response. (Inherited from **ControllerBase**.) |
| Public method | **PhysicalFile(String, String)** | Returns the file specified by physicalPath (**Status200OK**) with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **PhysicalFile(String, String, Boolean)** | Returns the file specified by physicalPath (**Status200OK**) with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **PhysicalFile(String, String, String)** | Returns the file specified by physicalPath (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **PhysicalFile(String, String, String, Boolean)** | Returns the file specified by physicalPath (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | PhysicalFile(String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns the file specified by physicalPath (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | PhysicalFile(String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns the file specified by physicalPath (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | PhysicalFile(String, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns the file specified by physicalPath (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | PhysicalFile(String, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns the file specified by physicalPath (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **Problem** | Creates an **ObjectResult** that produces a **ProblemDetails** response. (Inherited from **ControllerBase**.) |
| Public method | **Redirect** | Creates a **RedirectResult** object that redirects (**Status302Found**) to the specified url. (Inherited from **ControllerBase**.) |
| Public method | **RedirectPermanent** | Creates a **RedirectResult** object with **Permanent** set to true (**Status301MovedPermanently**) using the specified url. (Inherited from **ControllerBase**.) |
| Public method | **RedirectPermanentPreserveMethod** | Creates a **RedirectResult** object with **Permanent** set to true and **PreserveMethod** set to true (**Status308PermanentRedirect**) using the specified url. (Inherited from **ControllerBase**.) |
| Public method | **RedirectPreserveMethod** | Creates a **RedirectResult** object with **Permanent** set to false and **PreserveMethod** set to true (**Status307TemporaryRedirect**) using the specified url. (Inherited from **ControllerBase**.) |
| Public methodCode example | RedirectToAction() | Redirects (**Status302Found**) to an action with the same name as current one. The 'controller' and 'action' names are retrieved from the ambient values of the current request. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String)** | Redirects (**Status302Found**) to the specified action using the actionName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String, Object)** | Redirects (**Status302Found**) to the specified action using the actionName and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String, String)** | Redirects (**Status302Found**) to the specified action using the actionName and the controllerName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String, String, Object)** | Redirects (**Status302Found**) to the specified action using the specified actionName, controllerName, and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String, String, String)** | Redirects (**Status302Found**) to the specified action using the specified actionName, controllerName, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String, String, Object, String)** | Redirects (**Status302Found**) to the specified action using the specified actionName, controllerName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String, Object)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String, String)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName and controllerName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String, String, String)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName, controllerName, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String, String, Object)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName, controllerName, and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String, String, Object, String)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName, controllerName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanentPreserveMethod** | Redirects (**Status308PermanentRedirect**) to the specified action with **Permanent** set to true and **PreserveMethod** set to true, using the specified actionName, controllerName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPreserveMethod** | Redirects (**Status307TemporaryRedirect**) to the specified action with **Permanent** set to false and **PreserveMethod** set to true, using the specified actionName, controllerName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String)** | Redirects (**Status302Found**) to the specified pageName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String, Object)** | Redirects (**Status302Found**) to the specified pageName using the specified routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String, String)** | Redirects (**Status302Found**) to the specified pageName using the specified pageHandler. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String, String, Object)** | Redirects (**Status302Found**) to the specified pageName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String, String, String)** | Redirects (**Status302Found**) to the specified pageName using the specified fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String, String, Object, String)** | Redirects (**Status302Found**) to the specified pageName using the specified routeValues and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanent(String)** | Redirects (**Status301MovedPermanently**) to the specified pageName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanent(String, Object)** | Redirects (**Status301MovedPermanently**) to the specified pageName using the specified routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanent(String, String)** | Redirects (**Status301MovedPermanently**) to the specified pageName using the specified pageHandler. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanent(String, String, String)** | Redirects (**Status301MovedPermanently**) to the specified pageName using the specified fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanent(String, String, Object, String)** | Redirects (**Status301MovedPermanently**) to the specified pageName using the specified routeValues and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanentPreserveMethod** | Redirects (**Status308PermanentRedirect**) to the specified route with **Permanent** set to true and **PreserveMethod** set to true, using the specified pageName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePreserveMethod** | Redirects (**Status307TemporaryRedirect**) to the specified page with **Permanent** set to false and **PreserveMethod** set to true, using the specified pageName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoute(String)** | Redirects (**Status302Found**) to the specified route using the specified routeName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoute(Object)** | Redirects (**Status302Found**) to the specified route using the specified routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoute(String, Object)** | Redirects (**Status302Found**) to the specified route using the specified routeName and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoute(String, String)** | Redirects (**Status302Found**) to the specified route using the specified routeName and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoute(String, Object, String)** | Redirects (**Status302Found**) to the specified route using the specified routeName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanent(String)** | Redirects (**Status301MovedPermanently**) to the specified route with **Permanent** set to true using the specified routeName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanent(Object)** | Redirects (**Status301MovedPermanently**) to the specified route with **Permanent** set to true using the specified routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanent(String, Object)** | Redirects (**Status301MovedPermanently**) to the specified route with **Permanent** set to true using the specified routeName and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanent(String, String)** | Redirects (**Status301MovedPermanently**) to the specified route with **Permanent** set to true using the specified routeName and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanent(String, Object, String)** | Redirects (**Status301MovedPermanently**) to the specified route with **Permanent** set to true using the specified routeName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanentPreserveMethod** | Redirects (**Status308PermanentRedirect**) to the specified route with **Permanent** set to true and **PreserveMethod** set to true, using the specified routeName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePreserveMethod** | Redirects (**Status307TemporaryRedirect**) to the specified route with **Permanent** set to false and **PreserveMethod** set to true, using the specified routeName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **SignIn(ClaimsPrincipal)** | Creates a **SignInResult**. (Inherited from **ControllerBase**.) |
| Public method | **SignIn(ClaimsPrincipal, String)** | Creates a **SignInResult** with the specified authentication scheme. (Inherited from **ControllerBase**.) |
| Public method | **SignIn(ClaimsPrincipal, AuthenticationProperties)** | Creates a **SignInResult** with properties. (Inherited from **ControllerBase**.) |
| Public method | **SignIn(ClaimsPrincipal, AuthenticationProperties, String)** | Creates a **SignInResult** with the specified authentication scheme and properties. (Inherited from **ControllerBase**.) |
| Public method | SignOut() | Creates a **SignOutResult**. (Inherited from **ControllerBase**.) |
| Public method | **SignOut(AuthenticationProperties)** | Creates a **SignOutResult** with properties. (Inherited from **ControllerBase**.) |
| Public method | SignOut(String[]) | Creates a **SignOutResult** with the specified authentication schemes. (Inherited from **ControllerBase**.) |
| Public method | SignOut(AuthenticationProperties, String[]) | Creates a **SignOutResult** with the specified authentication schemes and properties. (Inherited from **ControllerBase**.) |
| Public method | **StatusCode(Int32)** | Creates a **StatusCodeResult** object by specifying a statusCode. (Inherited from **ControllerBase**.) |
| Public method | **StatusCode(Int32, Object)** | Creates a **ObjectResult** object by specifying a statusCode and value (Inherited from **ControllerBase**.) |
| Public method | **ToString** | Returns a string that represents the current object. (Inherited from **Object**.) |
| Public method | **TryUpdateModelAsync(Object, Type, String)** | Updates the specified model instance using values from the controller's current **IValueProvider** and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(Object, Type, String, IValueProvider, Func(ModelMetadata, Boolean)) | Updates the specified model instance using the valueProvider and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel) | Updates the specified model instance using values from the controller's current **IValueProvider**. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String) | Updates the specified model instance using values from the controller's current **IValueProvider** and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String, IValueProvider) | Updates the specified model instance using the valueProvider and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String, Expression(Func(TModel, Object))[]) | Updates the specified model instance using values from the controller's current **IValueProvider** and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String, Func(ModelMetadata, Boolean)) | Updates the specified model instance using values from the controller's current **IValueProvider** and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String, IValueProvider, Expression(Func(TModel, Object))[]) | Updates the specified model instance using the valueProvider and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String, IValueProvider, Func(ModelMetadata, Boolean)) | Updates the specified model instance using the valueProvider and a prefix. (Inherited from **ControllerBase**.) |
| Public method | **TryValidateModel(Object)** | Validates the specified model instance. (Inherited from **ControllerBase**.) |
| Public method | **TryValidateModel(Object, String)** | Validates the specified model instance. (Inherited from **ControllerBase**.) |
| Public method | [UnauthenticateUser](#_27585784_Topic) | Unauthenticate a user (Inherited from [BaseController](#_6C5177A5_Topic).) |
| Public method | Unauthorized() | Creates an **UnauthorizedResult** that produces an **Status401Unauthorized** response. (Inherited from **ControllerBase**.) |
| Public method | **Unauthorized(Object)** | Creates an **UnauthorizedObjectResult** that produces a **Status401Unauthorized** response. (Inherited from **ControllerBase**.) |
| Public method | UnprocessableEntity() | Creates an **UnprocessableEntityResult** that produces a **Status422UnprocessableEntity** response. (Inherited from **ControllerBase**.) |
| Public method | **UnprocessableEntity(Object)** | Creates an **UnprocessableEntityObjectResult** that produces a **Status422UnprocessableEntity** response. (Inherited from **ControllerBase**.) |
| Public method | **UnprocessableEntity(ModelStateDictionary)** | Creates an **UnprocessableEntityObjectResult** that produces a **Status422UnprocessableEntity** response. (Inherited from **ControllerBase**.) |
| Public method | [UserAuthenticated](#_4E91BDB4_Topic) | Check if a user is authenticated (Inherited from [BaseController](#_6C5177A5_Topic).) |
| Public method | [UserSessionExpired](#_298204DC_Topic) | Check if a user's session has expired (Inherited from [BaseController](#_6C5177A5_Topic).) |
| Public method | ValidationProblem() | Creates an **ActionResult** that produces a **Status400BadRequest** response with validation errors from **ModelState**. (Inherited from **ControllerBase**.) |
| Public method | **ValidationProblem(ValidationProblemDetails)** | Creates an **BadRequestObjectResult** that produces a **Status400BadRequest** response. (Inherited from **ControllerBase**.) |
| Public method | **ValidationProblem(ModelStateDictionary)** | Creates an **ActionResult** that produces a **Status400BadRequest** response with validation errors from modelStateDictionary. (Inherited from **ControllerBase**.) |
| Public method | ValidationProblem(String, String, Nullable(Int32), String, String, ModelStateDictionary) | Creates an **ActionResult** that produces a **Status400BadRequest** response with a **ValidationProblemDetails** value. (Inherited from **ControllerBase**.) |

## See Also

[SynopticProject\_Project\_E.Controllers Namespace](#_6415583_Topic)

# UserController Constructor

Initializes a new instance of the [UserController](#_B558E79_Topic) class

**Namespace:** [SynopticProject\_Project\_E.Controllers](#_6415583_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[UserController Class](#_B558E79_Topic)

[SynopticProject\_Project\_E.Controllers Namespace](#_6415583_Topic)

# UserController.UserController Properties

The [UserController](#_B558E79_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | **ControllerContext** | Gets or sets the **ControllerContext**. (Inherited from **ControllerBase**.) |
| Public property | **HttpContext** | Gets the **HttpContext** for the executing action. (Inherited from **ControllerBase**.) |
| Public property | **MetadataProvider** | Gets or sets the **IModelMetadataProvider**. (Inherited from **ControllerBase**.) |
| Public property | **ModelBinderFactory** | Gets or sets the **IModelBinderFactory**. (Inherited from **ControllerBase**.) |
| Public property | **ModelState** | Gets the **ModelStateDictionary** that contains the state of the model and of model-binding validation. (Inherited from **ControllerBase**.) |
| Public property | **ObjectValidator** | Gets or sets the **IObjectModelValidator**. (Inherited from **ControllerBase**.) |
| Public property | **ProblemDetailsFactory** | Gets or sets the **ProblemDetailsFactory**. (Inherited from **ControllerBase**.) |
| Public property | **Request** | Gets the **HttpRequest** for the executing action. (Inherited from **ControllerBase**.) |
| Public property | **Response** | Gets the **HttpResponse** for the executing action. (Inherited from **ControllerBase**.) |
| Public property | **RouteData** | Gets the **RouteData** for the executing action. (Inherited from **ControllerBase**.) |
| Public property | **Url** | Gets or sets the **IUrlHelper**. (Inherited from **ControllerBase**.) |
| Public property | **User** | Gets the **ClaimsPrincipal** for user associated with the executing action. (Inherited from **ControllerBase**.) |

## See Also

[UserController Class](#_B558E79_Topic)

[SynopticProject\_Project\_E.Controllers Namespace](#_6415583_Topic)

# UserController.UserController Methods

The [UserController](#_B558E79_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | Accepted() | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **Accepted(Object)** | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **Accepted(Uri)** | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **Accepted(String)** | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **Accepted(String, Object)** | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **Accepted(Uri, Object)** | Creates a **AcceptedResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String, String)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String, Object)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String, String, Object)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String, Object, Object)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtAction(String, String, Object, Object)** | Creates a **AcceptedAtActionResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtRoute(Object)** | Creates a **AcceptedAtRouteResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtRoute(String)** | Creates a **AcceptedAtRouteResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtRoute(String, Object)** | Creates a **AcceptedAtRouteResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtRoute(Object, Object)** | Creates a **AcceptedAtRouteResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | **AcceptedAtRoute(String, Object, Object)** | Creates a **AcceptedAtRouteResult** object that produces an **Status202Accepted** response. (Inherited from **ControllerBase**.) |
| Public method | [AuthenticateUser](#_CD77F2FE_Topic) | Authenticate the user (Inherited from [BaseController](#_6C5177A5_Topic).) |
| Public method | BadRequest() | Creates an **BadRequestResult** that produces a **Status400BadRequest** response. (Inherited from **ControllerBase**.) |
| Public method | **BadRequest(Object)** | Creates an **BadRequestObjectResult** that produces a **Status400BadRequest** response. (Inherited from **ControllerBase**.) |
| Public method | **BadRequest(ModelStateDictionary)** | Creates an **BadRequestObjectResult** that produces a **Status400BadRequest** response. (Inherited from **ControllerBase**.) |
| Public method | Challenge() | Creates a **ChallengeResult**. (Inherited from **ControllerBase**.) |
| Public method | Challenge(String[]) | Creates a **ChallengeResult** with the specified authentication schemes. (Inherited from **ControllerBase**.) |
| Public method | **Challenge(AuthenticationProperties)** | Creates a **ChallengeResult** with the specified properties. (Inherited from **ControllerBase**.) |
| Public method | Challenge(AuthenticationProperties, String[]) | Creates a **ChallengeResult** with the specified authentication schemes and properties. (Inherited from **ControllerBase**.) |
| Public method | Conflict() | Creates an **ConflictResult** that produces a **Status409Conflict** response. (Inherited from **ControllerBase**.) |
| Public method | **Conflict(Object)** | Creates an **ConflictObjectResult** that produces a **Status409Conflict** response. (Inherited from **ControllerBase**.) |
| Public method | **Conflict(ModelStateDictionary)** | Creates an **ConflictObjectResult** that produces a **Status409Conflict** response. (Inherited from **ControllerBase**.) |
| Public method | **Content(String)** | Creates a **ContentResult** object by specifying a content string. (Inherited from **ControllerBase**.) |
| Public method | **Content(String, String)** | Creates a **ContentResult** object by specifying a content string and a content type. (Inherited from **ControllerBase**.) |
| Public method | **Content(String, MediaTypeHeaderValue)** | Creates a **ContentResult** object by specifying a content string and a contentType. (Inherited from **ControllerBase**.) |
| Public method | **Content(String, String, Encoding)** | Creates a **ContentResult** object by specifying a content string, a contentType, and contentEncoding. (Inherited from **ControllerBase**.) |
| Public method | **Created(String, Object)** | Creates a **CreatedResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **Created(Uri, Object)** | Creates a **CreatedResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtAction(String, Object)** | Creates a **CreatedAtActionResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtAction(String, Object, Object)** | Creates a **CreatedAtActionResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtAction(String, String, Object, Object)** | Creates a **CreatedAtActionResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtRoute(String, Object)** | Creates a **CreatedAtRouteResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtRoute(Object, Object)** | Creates a **CreatedAtRouteResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | **CreatedAtRoute(String, Object, Object)** | Creates a **CreatedAtRouteResult** object that produces a **Status201Created** response. (Inherited from **ControllerBase**.) |
| Public method | [CurrentUserHasPermission](#_E34A4706_Topic) | Check if the user has permissions to peform an action (Inherited from [BaseController](#_6C5177A5_Topic).) |
| Public method | **Equals** | Determines whether the specified object is equal to the current object. (Inherited from **Object**.) |
| Public method | File(Byte[], String) | Returns a file with the specified fileContents as content (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(Stream, String)** | Returns a file in the specified fileStream (**Status200OK**), with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(String, String)** | Returns the file specified by virtualPath (**Status200OK**) with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, Boolean) | Returns a file with the specified fileContents as content (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, String) | Returns a file with the specified fileContents as content (**Status200OK**), the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(Stream, String, Boolean)** | Returns a file in the specified fileStream (**Status200OK**), with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(Stream, String, String)** | Returns a file in the specified fileStream (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(String, String, Boolean)** | Returns the file specified by virtualPath (**Status200OK**) with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(String, String, String)** | Returns the file specified by virtualPath (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, String, Boolean) | Returns a file with the specified fileContents as content (**Status200OK**), the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns a file with the specified fileContents as content (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(Stream, String, String, Boolean)** | Returns a file in the specified fileStream (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Stream, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns a file in the specified fileStream (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **File(String, String, String, Boolean)** | Returns the file specified by virtualPath (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns the file specified by virtualPath (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns a file with the specified fileContents as content (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns a file with the specified fileContents as content (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Stream, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns a file in the specified fileStream (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Stream, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns a file in the specified fileStream (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns the file specified by virtualPath (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(String, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns the file specified by virtualPath (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Byte[], String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns a file with the specified fileContents as content (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(Stream, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns a file in the specified fileStream (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | File(String, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns the file specified by virtualPath (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Protected method | **Finalize** | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from **Object**.) |
| Public method | Forbid() | Creates a **ForbidResult** (**Status403Forbidden** by default). (Inherited from **ControllerBase**.) |
| Public method | Forbid(String[]) | Creates a **ForbidResult** (**Status403Forbidden** by default) with the specified authentication schemes. (Inherited from **ControllerBase**.) |
| Public method | **Forbid(AuthenticationProperties)** | Creates a **ForbidResult** (**Status403Forbidden** by default) with the specified properties. (Inherited from **ControllerBase**.) |
| Public method | Forbid(AuthenticationProperties, String[]) | Creates a **ForbidResult** (**Status403Forbidden** by default) with the specified authentication schemes and properties. (Inherited from **ControllerBase**.) |
| Public method | [Get](#_2B42C137_Topic) | Get a user by Card ID |
| Public method | [GetCurrentUser](#_82653571_Topic) | Returns an instance of the current user (Inherited from [BaseController](#_6C5177A5_Topic).) |
| Public method | **GetHashCode** | Serves as the default hash function. (Inherited from **Object**.) |
| Public method | **GetType** | Gets the **Type** of the current instance. (Inherited from **Object**.) |
| Public method | **LocalRedirect** | Creates a **LocalRedirectResult** object that redirects (**Status302Found**) to the specified local localUrl. (Inherited from **ControllerBase**.) |
| Public method | **LocalRedirectPermanent** | Creates a **LocalRedirectResult** object with **Permanent** set to true (**Status301MovedPermanently**) using the specified localUrl. (Inherited from **ControllerBase**.) |
| Public method | **LocalRedirectPermanentPreserveMethod** | Creates a **LocalRedirectResult** object with **Permanent** set to true and **PreserveMethod** set to true (**Status308PermanentRedirect**) using the specified localUrl. (Inherited from **ControllerBase**.) |
| Public method | **LocalRedirectPreserveMethod** | Creates a **LocalRedirectResult** object with **Permanent** set to false and **PreserveMethod** set to true (**Status307TemporaryRedirect**) using the specified localUrl. (Inherited from **ControllerBase**.) |
| Protected method | **MemberwiseClone** | Creates a shallow copy of the current **Object**. (Inherited from **Object**.) |
| Public method | **NoContent** | Creates a **NoContentResult** object that produces an empty **Status204NoContent** response. (Inherited from **ControllerBase**.) |
| Public method | NotFound() | Creates an **NotFoundResult** that produces a **Status404NotFound** response. (Inherited from **ControllerBase**.) |
| Public method | **NotFound(Object)** | Creates an **NotFoundObjectResult** that produces a **Status404NotFound** response. (Inherited from **ControllerBase**.) |
| Public method | Ok() | Creates a **OkResult** object that produces an empty **Status200OK** response. (Inherited from **ControllerBase**.) |
| Public method | **Ok(Object)** | Creates an **OkObjectResult** object that produces an **Status200OK** response. (Inherited from **ControllerBase**.) |
| Public method | **PhysicalFile(String, String)** | Returns the file specified by physicalPath (**Status200OK**) with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **PhysicalFile(String, String, Boolean)** | Returns the file specified by physicalPath (**Status200OK**) with the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **PhysicalFile(String, String, String)** | Returns the file specified by physicalPath (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **PhysicalFile(String, String, String, Boolean)** | Returns the file specified by physicalPath (**Status200OK**) with the specified contentType as the Content-Type and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | PhysicalFile(String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns the file specified by physicalPath (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | PhysicalFile(String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns the file specified by physicalPath (**Status200OK**), and the specified contentType as the Content-Type. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | PhysicalFile(String, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue) | Returns the file specified by physicalPath (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | PhysicalFile(String, String, String, Nullable(DateTimeOffset), EntityTagHeaderValue, Boolean) | Returns the file specified by physicalPath (**Status200OK**), the specified contentType as the Content-Type, and the specified fileDownloadName as the suggested file name. This supports range requests (**Status206PartialContent** or **Status416RangeNotSatisfiable** if the range is not satisfiable). (Inherited from **ControllerBase**.) |
| Public method | **Problem** | Creates an **ObjectResult** that produces a **ProblemDetails** response. (Inherited from **ControllerBase**.) |
| Public method | **Redirect** | Creates a **RedirectResult** object that redirects (**Status302Found**) to the specified url. (Inherited from **ControllerBase**.) |
| Public method | **RedirectPermanent** | Creates a **RedirectResult** object with **Permanent** set to true (**Status301MovedPermanently**) using the specified url. (Inherited from **ControllerBase**.) |
| Public method | **RedirectPermanentPreserveMethod** | Creates a **RedirectResult** object with **Permanent** set to true and **PreserveMethod** set to true (**Status308PermanentRedirect**) using the specified url. (Inherited from **ControllerBase**.) |
| Public method | **RedirectPreserveMethod** | Creates a **RedirectResult** object with **Permanent** set to false and **PreserveMethod** set to true (**Status307TemporaryRedirect**) using the specified url. (Inherited from **ControllerBase**.) |
| Public methodCode example | RedirectToAction() | Redirects (**Status302Found**) to an action with the same name as current one. The 'controller' and 'action' names are retrieved from the ambient values of the current request. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String)** | Redirects (**Status302Found**) to the specified action using the actionName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String, Object)** | Redirects (**Status302Found**) to the specified action using the actionName and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String, String)** | Redirects (**Status302Found**) to the specified action using the actionName and the controllerName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String, String, Object)** | Redirects (**Status302Found**) to the specified action using the specified actionName, controllerName, and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String, String, String)** | Redirects (**Status302Found**) to the specified action using the specified actionName, controllerName, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToAction(String, String, Object, String)** | Redirects (**Status302Found**) to the specified action using the specified actionName, controllerName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String, Object)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String, String)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName and controllerName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String, String, String)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName, controllerName, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String, String, Object)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName, controllerName, and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanent(String, String, Object, String)** | Redirects (**Status301MovedPermanently**) to the specified action with **Permanent** set to true using the specified actionName, controllerName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPermanentPreserveMethod** | Redirects (**Status308PermanentRedirect**) to the specified action with **Permanent** set to true and **PreserveMethod** set to true, using the specified actionName, controllerName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToActionPreserveMethod** | Redirects (**Status307TemporaryRedirect**) to the specified action with **Permanent** set to false and **PreserveMethod** set to true, using the specified actionName, controllerName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String)** | Redirects (**Status302Found**) to the specified pageName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String, Object)** | Redirects (**Status302Found**) to the specified pageName using the specified routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String, String)** | Redirects (**Status302Found**) to the specified pageName using the specified pageHandler. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String, String, Object)** | Redirects (**Status302Found**) to the specified pageName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String, String, String)** | Redirects (**Status302Found**) to the specified pageName using the specified fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPage(String, String, Object, String)** | Redirects (**Status302Found**) to the specified pageName using the specified routeValues and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanent(String)** | Redirects (**Status301MovedPermanently**) to the specified pageName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanent(String, Object)** | Redirects (**Status301MovedPermanently**) to the specified pageName using the specified routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanent(String, String)** | Redirects (**Status301MovedPermanently**) to the specified pageName using the specified pageHandler. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanent(String, String, String)** | Redirects (**Status301MovedPermanently**) to the specified pageName using the specified fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanent(String, String, Object, String)** | Redirects (**Status301MovedPermanently**) to the specified pageName using the specified routeValues and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePermanentPreserveMethod** | Redirects (**Status308PermanentRedirect**) to the specified route with **Permanent** set to true and **PreserveMethod** set to true, using the specified pageName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToPagePreserveMethod** | Redirects (**Status307TemporaryRedirect**) to the specified page with **Permanent** set to false and **PreserveMethod** set to true, using the specified pageName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoute(String)** | Redirects (**Status302Found**) to the specified route using the specified routeName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoute(Object)** | Redirects (**Status302Found**) to the specified route using the specified routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoute(String, Object)** | Redirects (**Status302Found**) to the specified route using the specified routeName and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoute(String, String)** | Redirects (**Status302Found**) to the specified route using the specified routeName and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoute(String, Object, String)** | Redirects (**Status302Found**) to the specified route using the specified routeName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanent(String)** | Redirects (**Status301MovedPermanently**) to the specified route with **Permanent** set to true using the specified routeName. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanent(Object)** | Redirects (**Status301MovedPermanently**) to the specified route with **Permanent** set to true using the specified routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanent(String, Object)** | Redirects (**Status301MovedPermanently**) to the specified route with **Permanent** set to true using the specified routeName and routeValues. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanent(String, String)** | Redirects (**Status301MovedPermanently**) to the specified route with **Permanent** set to true using the specified routeName and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanent(String, Object, String)** | Redirects (**Status301MovedPermanently**) to the specified route with **Permanent** set to true using the specified routeName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePermanentPreserveMethod** | Redirects (**Status308PermanentRedirect**) to the specified route with **Permanent** set to true and **PreserveMethod** set to true, using the specified routeName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **RedirectToRoutePreserveMethod** | Redirects (**Status307TemporaryRedirect**) to the specified route with **Permanent** set to false and **PreserveMethod** set to true, using the specified routeName, routeValues, and fragment. (Inherited from **ControllerBase**.) |
| Public method | **SignIn(ClaimsPrincipal)** | Creates a **SignInResult**. (Inherited from **ControllerBase**.) |
| Public method | **SignIn(ClaimsPrincipal, String)** | Creates a **SignInResult** with the specified authentication scheme. (Inherited from **ControllerBase**.) |
| Public method | **SignIn(ClaimsPrincipal, AuthenticationProperties)** | Creates a **SignInResult** with properties. (Inherited from **ControllerBase**.) |
| Public method | **SignIn(ClaimsPrincipal, AuthenticationProperties, String)** | Creates a **SignInResult** with the specified authentication scheme and properties. (Inherited from **ControllerBase**.) |
| Public method | SignOut() | Creates a **SignOutResult**. (Inherited from **ControllerBase**.) |
| Public method | **SignOut(AuthenticationProperties)** | Creates a **SignOutResult** with properties. (Inherited from **ControllerBase**.) |
| Public method | SignOut(String[]) | Creates a **SignOutResult** with the specified authentication schemes. (Inherited from **ControllerBase**.) |
| Public method | SignOut(AuthenticationProperties, String[]) | Creates a **SignOutResult** with the specified authentication schemes and properties. (Inherited from **ControllerBase**.) |
| Public method | **StatusCode(Int32)** | Creates a **StatusCodeResult** object by specifying a statusCode. (Inherited from **ControllerBase**.) |
| Public method | **StatusCode(Int32, Object)** | Creates a **ObjectResult** object by specifying a statusCode and value (Inherited from **ControllerBase**.) |
| Public method | **ToString** | Returns a string that represents the current object. (Inherited from **Object**.) |
| Public method | **TryUpdateModelAsync(Object, Type, String)** | Updates the specified model instance using values from the controller's current **IValueProvider** and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(Object, Type, String, IValueProvider, Func(ModelMetadata, Boolean)) | Updates the specified model instance using the valueProvider and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel) | Updates the specified model instance using values from the controller's current **IValueProvider**. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String) | Updates the specified model instance using values from the controller's current **IValueProvider** and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String, IValueProvider) | Updates the specified model instance using the valueProvider and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String, Expression(Func(TModel, Object))[]) | Updates the specified model instance using values from the controller's current **IValueProvider** and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String, Func(ModelMetadata, Boolean)) | Updates the specified model instance using values from the controller's current **IValueProvider** and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String, IValueProvider, Expression(Func(TModel, Object))[]) | Updates the specified model instance using the valueProvider and a prefix. (Inherited from **ControllerBase**.) |
| Public method | TryUpdateModelAsync(TModel)(TModel, String, IValueProvider, Func(ModelMetadata, Boolean)) | Updates the specified model instance using the valueProvider and a prefix. (Inherited from **ControllerBase**.) |
| Public method | **TryValidateModel(Object)** | Validates the specified model instance. (Inherited from **ControllerBase**.) |
| Public method | **TryValidateModel(Object, String)** | Validates the specified model instance. (Inherited from **ControllerBase**.) |
| Public method | [UnauthenticateUser](#_27585784_Topic) | Unauthenticate a user (Inherited from [BaseController](#_6C5177A5_Topic).) |
| Public method | Unauthorized() | Creates an **UnauthorizedResult** that produces an **Status401Unauthorized** response. (Inherited from **ControllerBase**.) |
| Public method | **Unauthorized(Object)** | Creates an **UnauthorizedObjectResult** that produces a **Status401Unauthorized** response. (Inherited from **ControllerBase**.) |
| Public method | UnprocessableEntity() | Creates an **UnprocessableEntityResult** that produces a **Status422UnprocessableEntity** response. (Inherited from **ControllerBase**.) |
| Public method | **UnprocessableEntity(Object)** | Creates an **UnprocessableEntityObjectResult** that produces a **Status422UnprocessableEntity** response. (Inherited from **ControllerBase**.) |
| Public method | **UnprocessableEntity(ModelStateDictionary)** | Creates an **UnprocessableEntityObjectResult** that produces a **Status422UnprocessableEntity** response. (Inherited from **ControllerBase**.) |
| Public method | [UserAuthenticated](#_4E91BDB4_Topic) | Check if a user is authenticated (Inherited from [BaseController](#_6C5177A5_Topic).) |
| Public method | [UserSessionExpired](#_298204DC_Topic) | Check if a user's session has expired (Inherited from [BaseController](#_6C5177A5_Topic).) |
| Public method | ValidationProblem() | Creates an **ActionResult** that produces a **Status400BadRequest** response with validation errors from **ModelState**. (Inherited from **ControllerBase**.) |
| Public method | **ValidationProblem(ValidationProblemDetails)** | Creates an **BadRequestObjectResult** that produces a **Status400BadRequest** response. (Inherited from **ControllerBase**.) |
| Public method | **ValidationProblem(ModelStateDictionary)** | Creates an **ActionResult** that produces a **Status400BadRequest** response with validation errors from modelStateDictionary. (Inherited from **ControllerBase**.) |
| Public method | ValidationProblem(String, String, Nullable(Int32), String, String, ModelStateDictionary) | Creates an **ActionResult** that produces a **Status400BadRequest** response with a **ValidationProblemDetails** value. (Inherited from **ControllerBase**.) |

## See Also

[UserController Class](#_B558E79_Topic)

[SynopticProject\_Project\_E.Controllers Namespace](#_6415583_Topic)

# UserController.Get Method

Get a user by Card ID

**Namespace:** [SynopticProject\_Project\_E.Controllers](#_6415583_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[UserController Class](#_B558E79_Topic)

[SynopticProject\_Project\_E.Controllers Namespace](#_6415583_Topic)

# SynopticProject\_Project\_E.DAL Namespace

## Classes

|  |  |  |
| --- | --- | --- |
|  | Class | Description |
| Public class | [UserDAL](#_D783C545_Topic) | User Data Access Layer class |

# UserDAL Class

User Data Access Layer class

## Inheritance Hierarchy

System.Object  
  SynopticProject\_Project\_E.DAL.UserDAL

**Namespace:** [SynopticProject\_Project\_E.DAL](#_D592F822_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

The **UserDAL** type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [CreateUser](#_699D805A_Topic) | Create a user |
| Public methodStatic member | [GetUser](#_29D22D59_Topic) | Get a user by card ID |
| Public methodStatic member | [GetUsers](#_C14DC8BB_Topic) | Get a list of the users |
| Public methodStatic member | [IsValidUser](#_EDBB3821_Topic) | Check if a user is valid (i.e. exists) |

## See Also

[SynopticProject\_Project\_E.DAL Namespace](#_D592F822_Topic)

# UserDAL.UserDAL Methods

The [UserDAL](#_D783C545_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [CreateUser](#_699D805A_Topic) | Create a user |
| Public methodStatic member | [GetUser](#_29D22D59_Topic) | Get a user by card ID |
| Public methodStatic member | [GetUsers](#_C14DC8BB_Topic) | Get a list of the users |
| Public methodStatic member | [IsValidUser](#_EDBB3821_Topic) | Check if a user is valid (i.e. exists) |

## See Also

[UserDAL Class](#_D783C545_Topic)

[SynopticProject\_Project\_E.DAL Namespace](#_D592F822_Topic)

# UserDAL.CreateUser Method

Create a user

**Namespace:** [SynopticProject\_Project\_E.DAL](#_D592F822_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[UserDAL Class](#_D783C545_Topic)

[SynopticProject\_Project\_E.DAL Namespace](#_D592F822_Topic)

# UserDAL.GetUser Method

Get a user by card ID

**Namespace:** [SynopticProject\_Project\_E.DAL](#_D592F822_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[UserDAL Class](#_D783C545_Topic)

[SynopticProject\_Project\_E.DAL Namespace](#_D592F822_Topic)

# UserDAL.GetUsers Method

Get a list of the users

**Namespace:** [SynopticProject\_Project\_E.DAL](#_D592F822_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[UserDAL Class](#_D783C545_Topic)

[SynopticProject\_Project\_E.DAL Namespace](#_D592F822_Topic)

# UserDAL.IsValidUser Method

Check if a user is valid (i.e. exists)

**Namespace:** [SynopticProject\_Project\_E.DAL](#_D592F822_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[UserDAL Class](#_D783C545_Topic)

[SynopticProject\_Project\_E.DAL Namespace](#_D592F822_Topic)

# SynopticProject\_Project\_E.Extensions Namespace

## Classes

|  |  |  |
| --- | --- | --- |
|  | Class | Description |
| Public class | [StringExtensions](#_1BD1601F_Topic) | Class of string extensions |

# StringExtensions Class

Class of string extensions

## Inheritance Hierarchy

System.Object  
  SynopticProject\_Project\_E.Extensions.StringExtensions

**Namespace:** [SynopticProject\_Project\_E.Extensions](#_E4B129AA_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

The **StringExtensions** type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [ToBase64](#_7E4B241E_Topic) | Converts a string to Base64 |

## See Also

[SynopticProject\_Project\_E.Extensions Namespace](#_E4B129AA_Topic)

# StringExtensions.StringExtensions Methods

The [StringExtensions](#_1BD1601F_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [ToBase64](#_7E4B241E_Topic) | Converts a string to Base64 |

## See Also

[StringExtensions Class](#_1BD1601F_Topic)

[SynopticProject\_Project\_E.Extensions Namespace](#_E4B129AA_Topic)

# StringExtensions.ToBase64 Method

Converts a string to Base64

**Namespace:** [SynopticProject\_Project\_E.Extensions](#_E4B129AA_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[StringExtensions Class](#_1BD1601F_Topic)

[SynopticProject\_Project\_E.Extensions Namespace](#_E4B129AA_Topic)

# SynopticProject\_Project\_E.Helpers Namespace

## Classes

|  |  |  |
| --- | --- | --- |
|  | Class | Description |
| Public class | [AppSettings](#_5199B166_Topic) | AppSettings Object retreived from appsettings.json |
| Public class | [ConfigurationHelper](#_163E14B0_Topic) | Configuration helper class |
| Public class | [EncryptionHelper](#_D7D3BCF7_Topic) | Encryption helper class |
| Public class | [StatusResponseGenerator](#_201D6546_Topic) | Class used to generate custom status responses |

## Enumerations

|  |  |  |
| --- | --- | --- |
|  | Enumeration | Description |
| Public enumeration | [HttpStatusResponse](#_7E05EA38_Topic) | Common Http Status Codes used in app |

# AppSettings Class

AppSettings Object retreived from appsettings.json

## Inheritance Hierarchy

System.Object  
  SynopticProject\_Project\_E.Helpers.AppSettings

**Namespace:** [SynopticProject\_Project\_E.Helpers](#_2414F3E1_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

The **AppSettings** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [AppSettings](#_2B7E6B2F_Topic) | Initializes a new instance of the **AppSettings** class |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [ConnectionString](#_A01F4C81_Topic) | MongoDB Connection String |
| Public property | [DatabaseName](#_8641D05C_Topic) | Name of the Database to read/write collections from/to |
| Public property | [DefaultSuperUser](#_5B872B37_Topic) | The default super user object, created if no admin exists |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | **Equals** | Determines whether the specified object is equal to the current object. (Inherited from **Object**.) |
| Protected method | **Finalize** | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from **Object**.) |
| Public method | **GetHashCode** | Serves as the default hash function. (Inherited from **Object**.) |
| Public method | **GetType** | Gets the **Type** of the current instance. (Inherited from **Object**.) |
| Protected method | **MemberwiseClone** | Creates a shallow copy of the current **Object**. (Inherited from **Object**.) |
| Public method | **ToString** | Returns a string that represents the current object. (Inherited from **Object**.) |

## See Also

[SynopticProject\_Project\_E.Helpers Namespace](#_2414F3E1_Topic)

# AppSettings Constructor

Initializes a new instance of the [AppSettings](#_5199B166_Topic) class

**Namespace:** [SynopticProject\_Project\_E.Helpers](#_2414F3E1_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[AppSettings Class](#_5199B166_Topic)

[SynopticProject\_Project\_E.Helpers Namespace](#_2414F3E1_Topic)

# AppSettings.AppSettings Properties

The [AppSettings](#_5199B166_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [ConnectionString](#_A01F4C81_Topic) | MongoDB Connection String |
| Public property | [DatabaseName](#_8641D05C_Topic) | Name of the Database to read/write collections from/to |
| Public property | [DefaultSuperUser](#_5B872B37_Topic) | The default super user object, created if no admin exists |

## See Also

[AppSettings Class](#_5199B166_Topic)

[SynopticProject\_Project\_E.Helpers Namespace](#_2414F3E1_Topic)

# AppSettings.ConnectionString Property

MongoDB Connection String

**Namespace:** [SynopticProject\_Project\_E.Helpers](#_2414F3E1_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[AppSettings Class](#_5199B166_Topic)

[SynopticProject\_Project\_E.Helpers Namespace](#_2414F3E1_Topic)

# AppSettings.DatabaseName Property

Name of the Database to read/write collections from/to

**Namespace:** [SynopticProject\_Project\_E.Helpers](#_2414F3E1_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[AppSettings Class](#_5199B166_Topic)

[SynopticProject\_Project\_E.Helpers Namespace](#_2414F3E1_Topic)

# AppSettings.DefaultSuperUser Property

The default super user object, created if no admin exists

**Namespace:** [SynopticProject\_Project\_E.Helpers](#_2414F3E1_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[AppSettings Class](#_5199B166_Topic)

[SynopticProject\_Project\_E.Helpers Namespace](#_2414F3E1_Topic)

# AppSettings.AppSettings Methods

The [AppSettings](#_5199B166_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | **Equals** | Determines whether the specified object is equal to the current object. (Inherited from **Object**.) |
| Protected method | **Finalize** | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from **Object**.) |
| Public method | **GetHashCode** | Serves as the default hash function. (Inherited from **Object**.) |
| Public method | **GetType** | Gets the **Type** of the current instance. (Inherited from **Object**.) |
| Protected method | **MemberwiseClone** | Creates a shallow copy of the current **Object**. (Inherited from **Object**.) |
| Public method | **ToString** | Returns a string that represents the current object. (Inherited from **Object**.) |

## See Also

[AppSettings Class](#_5199B166_Topic)

[SynopticProject\_Project\_E.Helpers Namespace](#_2414F3E1_Topic)

# ConfigurationHelper Class

Configuration helper class

## Inheritance Hierarchy

System.Object  
  SynopticProject\_Project\_E.Helpers.ConfigurationHelper

**Namespace:** [SynopticProject\_Project\_E.Helpers](#_2414F3E1_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

The **ConfigurationHelper** type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [GetAppSettings](#_B18688F3_Topic) | Gets AppSettings object from appsettings.json |

## See Also

[SynopticProject\_Project\_E.Helpers Namespace](#_2414F3E1_Topic)

# ConfigurationHelper.ConfigurationHelper Methods

The [ConfigurationHelper](#_163E14B0_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [GetAppSettings](#_B18688F3_Topic) | Gets AppSettings object from appsettings.json |

## See Also

[ConfigurationHelper Class](#_163E14B0_Topic)

[SynopticProject\_Project\_E.Helpers Namespace](#_2414F3E1_Topic)

# ConfigurationHelper.GetAppSettings Method

Gets AppSettings object from appsettings.json

**Namespace:** [SynopticProject\_Project\_E.Helpers](#_2414F3E1_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[ConfigurationHelper Class](#_163E14B0_Topic)

[SynopticProject\_Project\_E.Helpers Namespace](#_2414F3E1_Topic)

# EncryptionHelper Class

Encryption helper class

## Inheritance Hierarchy

System.Object  
  SynopticProject\_Project\_E.Helpers.EncryptionHelper

**Namespace:** [SynopticProject\_Project\_E.Helpers](#_2414F3E1_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

The **EncryptionHelper** type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [Decrypt](#_31B6CEE5_Topic) | Decrypt a given string |
| Public methodStatic member | [Encrypt](#_FB5B7E8A_Topic) | Encrypt a given string |

## See Also

[SynopticProject\_Project\_E.Helpers Namespace](#_2414F3E1_Topic)

# EncryptionHelper.EncryptionHelper Methods

The [EncryptionHelper](#_D7D3BCF7_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [Decrypt](#_31B6CEE5_Topic) | Decrypt a given string |
| Public methodStatic member | [Encrypt](#_FB5B7E8A_Topic) | Encrypt a given string |

## See Also

[EncryptionHelper Class](#_D7D3BCF7_Topic)

[SynopticProject\_Project\_E.Helpers Namespace](#_2414F3E1_Topic)

# EncryptionHelper.Decrypt Method

Decrypt a given string

**Namespace:** [SynopticProject\_Project\_E.Helpers](#_2414F3E1_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[EncryptionHelper Class](#_D7D3BCF7_Topic)

[SynopticProject\_Project\_E.Helpers Namespace](#_2414F3E1_Topic)

# EncryptionHelper.Encrypt Method

Encrypt a given string

**Namespace:** [SynopticProject\_Project\_E.Helpers](#_2414F3E1_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[EncryptionHelper Class](#_D7D3BCF7_Topic)

[SynopticProject\_Project\_E.Helpers Namespace](#_2414F3E1_Topic)

# HttpStatusResponse Enumeration

Common Http Status Codes used in app

**Namespace:** [SynopticProject\_Project\_E.Helpers](#_2414F3E1_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## Members

|  |  |  |  |
| --- | --- | --- | --- |
|  | Member name | Value | Description |
|  | **HttpOk** | 200 | HTTP 200 - OK |
|  | **HttpBadRequest** | 400 | HTTP 400 - Bad Request |
|  | **HttpUnauthorized** | 401 | HTTP 401 - Unauthorized |
|  | **HttpForbidden** | 403 | HTTP 403 - Forbidden |
|  | **HttpNotFound** | 404 | HTTP 404 - Not Found |
|  | **HttpAuthenticationTimeout** | 419 | HTTP 419 - Authentication Timeout |
|  | **HttpInternalServerError** | 500 | Http 500 - Internal Server Error |

## See Also

[SynopticProject\_Project\_E.Helpers Namespace](#_2414F3E1_Topic)

# StatusResponseGenerator Class

Class used to generate custom status responses

## Inheritance Hierarchy

System.Object  
  SynopticProject\_Project\_E.Helpers.StatusResponseGenerator

**Namespace:** [SynopticProject\_Project\_E.Helpers](#_2414F3E1_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

The **StatusResponseGenerator** type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [Generate](#_23B64055_Topic) | Method used to generate custom status server responses |

## See Also

[SynopticProject\_Project\_E.Helpers Namespace](#_2414F3E1_Topic)

# StatusResponseGenerator.StatusResponseGenerator Methods

The [StatusResponseGenerator](#_201D6546_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [Generate](#_23B64055_Topic) | Method used to generate custom status server responses |

## See Also

[StatusResponseGenerator Class](#_201D6546_Topic)

[SynopticProject\_Project\_E.Helpers Namespace](#_2414F3E1_Topic)

# StatusResponseGenerator.Generate Method

Method used to generate custom status server responses

**Namespace:** [SynopticProject\_Project\_E.Helpers](#_2414F3E1_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[StatusResponseGenerator Class](#_201D6546_Topic)

[SynopticProject\_Project\_E.Helpers Namespace](#_2414F3E1_Topic)

# SynopticProject\_Project\_E.Models Namespace

## Classes

|  |  |  |
| --- | --- | --- |
|  | Class | Description |
| Public class | [User](#_794F4875_Topic) | User database object |
| Public class | [UserCredentialModel](#_B63C5A62_Topic) | User credentials model |
| Public class | [UserUploadModel](#_6ECDC63B_Topic) | User upload model |

# User Class

User database object

## Inheritance Hierarchy

System.Object  
  [SynopticProject\_Project\_E.Models.UserCredentialModel](#_B63C5A62_Topic)  
    [SynopticProject\_Project\_E.Models.UserUploadModel](#_6ECDC63B_Topic)  
      SynopticProject\_Project\_E.Models.User

**Namespace:** [SynopticProject\_Project\_E.Models](#_3E746F69_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

The **User** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [User](#_4F80F197_Topic) | Initializes a new instance of the **User** class |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [\_id](#_7BCF173D_Topic) | MongoDB ID |
| Public property | [CardId](#_AEA87896_Topic) | User's Card ID (Inherited from [UserCredentialModel](#_B63C5A62_Topic).) |
| Public property | [EmailAddress](#_92C31879_Topic) | User's email address (Inherited from [UserUploadModel](#_6ECDC63B_Topic).) |
| Public property | [EmployeeId](#_574D3FF8_Topic) | User's Employee ID (Inherited from [UserUploadModel](#_6ECDC63B_Topic).) |
| Public property | [FirstName](#_7F7591CC_Topic) | User's first name (Inherited from [UserUploadModel](#_6ECDC63B_Topic).) |
| Public property | [IsAdmin](#_52394B3F_Topic) | Is user admin |
| Public property | [MobileNumber](#_3317DCC4_Topic) | User's mobile number (Inherited from [UserUploadModel](#_6ECDC63B_Topic).) |
| Public property | [PIN](#_8D3251FB_Topic) | User's PIN (Inherited from [UserCredentialModel](#_B63C5A62_Topic).) |
| Public property | [Surname](#_5429A3C6_Topic) | User's surname (Inherited from [UserUploadModel](#_6ECDC63B_Topic).) |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | **Equals** | Determines whether the specified object is equal to the current object. (Inherited from **Object**.) |
| Protected method | **Finalize** | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from **Object**.) |
| Public method | **GetHashCode** | Serves as the default hash function. (Inherited from **Object**.) |
| Public method | **GetType** | Gets the **Type** of the current instance. (Inherited from **Object**.) |
| Protected method | **MemberwiseClone** | Creates a shallow copy of the current **Object**. (Inherited from **Object**.) |
| Public method | **ToString** | Returns a string that represents the current object. (Inherited from **Object**.) |

## See Also

[SynopticProject\_Project\_E.Models Namespace](#_3E746F69_Topic)

# User Constructor

Initializes a new instance of the [User](#_794F4875_Topic) class

**Namespace:** [SynopticProject\_Project\_E.Models](#_3E746F69_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[User Class](#_794F4875_Topic)

[SynopticProject\_Project\_E.Models Namespace](#_3E746F69_Topic)

# User.User Properties

The [User](#_794F4875_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [\_id](#_7BCF173D_Topic) | MongoDB ID |
| Public property | [CardId](#_AEA87896_Topic) | User's Card ID (Inherited from [UserCredentialModel](#_B63C5A62_Topic).) |
| Public property | [EmailAddress](#_92C31879_Topic) | User's email address (Inherited from [UserUploadModel](#_6ECDC63B_Topic).) |
| Public property | [EmployeeId](#_574D3FF8_Topic) | User's Employee ID (Inherited from [UserUploadModel](#_6ECDC63B_Topic).) |
| Public property | [FirstName](#_7F7591CC_Topic) | User's first name (Inherited from [UserUploadModel](#_6ECDC63B_Topic).) |
| Public property | [IsAdmin](#_52394B3F_Topic) | Is user admin |
| Public property | [MobileNumber](#_3317DCC4_Topic) | User's mobile number (Inherited from [UserUploadModel](#_6ECDC63B_Topic).) |
| Public property | [PIN](#_8D3251FB_Topic) | User's PIN (Inherited from [UserCredentialModel](#_B63C5A62_Topic).) |
| Public property | [Surname](#_5429A3C6_Topic) | User's surname (Inherited from [UserUploadModel](#_6ECDC63B_Topic).) |

## See Also

[User Class](#_794F4875_Topic)

[SynopticProject\_Project\_E.Models Namespace](#_3E746F69_Topic)

# User.\_id Property

MongoDB ID

**Namespace:** [SynopticProject\_Project\_E.Models](#_3E746F69_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[User Class](#_794F4875_Topic)

[SynopticProject\_Project\_E.Models Namespace](#_3E746F69_Topic)

# User.IsAdmin Property

Is user admin

**Namespace:** [SynopticProject\_Project\_E.Models](#_3E746F69_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[User Class](#_794F4875_Topic)

[SynopticProject\_Project\_E.Models Namespace](#_3E746F69_Topic)

# User.User Methods

The [User](#_794F4875_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | **Equals** | Determines whether the specified object is equal to the current object. (Inherited from **Object**.) |
| Protected method | **Finalize** | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from **Object**.) |
| Public method | **GetHashCode** | Serves as the default hash function. (Inherited from **Object**.) |
| Public method | **GetType** | Gets the **Type** of the current instance. (Inherited from **Object**.) |
| Protected method | **MemberwiseClone** | Creates a shallow copy of the current **Object**. (Inherited from **Object**.) |
| Public method | **ToString** | Returns a string that represents the current object. (Inherited from **Object**.) |

## See Also

[User Class](#_794F4875_Topic)

[SynopticProject\_Project\_E.Models Namespace](#_3E746F69_Topic)

# UserCredentialModel Class

User credentials model

## Inheritance Hierarchy

System.Object  
  SynopticProject\_Project\_E.Models.UserCredentialModel  
    [SynopticProject\_Project\_E.Models.UserUploadModel](#_6ECDC63B_Topic)

**Namespace:** [SynopticProject\_Project\_E.Models](#_3E746F69_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

The **UserCredentialModel** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [UserCredentialModel](#_37C42AC8_Topic) | Initializes a new instance of the **UserCredentialModel** class |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [CardId](#_AEA87896_Topic) | User's Card ID |
| Public property | [PIN](#_8D3251FB_Topic) | User's PIN |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | **Equals** | Determines whether the specified object is equal to the current object. (Inherited from **Object**.) |
| Protected method | **Finalize** | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from **Object**.) |
| Public method | **GetHashCode** | Serves as the default hash function. (Inherited from **Object**.) |
| Public method | **GetType** | Gets the **Type** of the current instance. (Inherited from **Object**.) |
| Protected method | **MemberwiseClone** | Creates a shallow copy of the current **Object**. (Inherited from **Object**.) |
| Public method | **ToString** | Returns a string that represents the current object. (Inherited from **Object**.) |

## See Also

[SynopticProject\_Project\_E.Models Namespace](#_3E746F69_Topic)

# UserCredentialModel Constructor

Initializes a new instance of the [UserCredentialModel](#_B63C5A62_Topic) class

**Namespace:** [SynopticProject\_Project\_E.Models](#_3E746F69_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[UserCredentialModel Class](#_B63C5A62_Topic)

[SynopticProject\_Project\_E.Models Namespace](#_3E746F69_Topic)

# UserCredentialModel.UserCredentialModel Properties

The [UserCredentialModel](#_B63C5A62_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [CardId](#_AEA87896_Topic) | User's Card ID |
| Public property | [PIN](#_8D3251FB_Topic) | User's PIN |

## See Also

[UserCredentialModel Class](#_B63C5A62_Topic)

[SynopticProject\_Project\_E.Models Namespace](#_3E746F69_Topic)

# UserCredentialModel.CardId Property

User's Card ID

**Namespace:** [SynopticProject\_Project\_E.Models](#_3E746F69_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[UserCredentialModel Class](#_B63C5A62_Topic)

[SynopticProject\_Project\_E.Models Namespace](#_3E746F69_Topic)

# UserCredentialModel.PIN Property

User's PIN

**Namespace:** [SynopticProject\_Project\_E.Models](#_3E746F69_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[UserCredentialModel Class](#_B63C5A62_Topic)

[SynopticProject\_Project\_E.Models Namespace](#_3E746F69_Topic)

# UserCredentialModel.UserCredentialModel Methods

The [UserCredentialModel](#_B63C5A62_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | **Equals** | Determines whether the specified object is equal to the current object. (Inherited from **Object**.) |
| Protected method | **Finalize** | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from **Object**.) |
| Public method | **GetHashCode** | Serves as the default hash function. (Inherited from **Object**.) |
| Public method | **GetType** | Gets the **Type** of the current instance. (Inherited from **Object**.) |
| Protected method | **MemberwiseClone** | Creates a shallow copy of the current **Object**. (Inherited from **Object**.) |
| Public method | **ToString** | Returns a string that represents the current object. (Inherited from **Object**.) |

## See Also

[UserCredentialModel Class](#_B63C5A62_Topic)

[SynopticProject\_Project\_E.Models Namespace](#_3E746F69_Topic)

# UserUploadModel Class

User upload model

## Inheritance Hierarchy

System.Object  
  [SynopticProject\_Project\_E.Models.UserCredentialModel](#_B63C5A62_Topic)  
    SynopticProject\_Project\_E.Models.UserUploadModel  
      [SynopticProject\_Project\_E.Models.User](#_794F4875_Topic)

**Namespace:** [SynopticProject\_Project\_E.Models](#_3E746F69_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

The **UserUploadModel** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [UserUploadModel](#_4817195D_Topic) | Initializes a new instance of the **UserUploadModel** class |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [CardId](#_AEA87896_Topic) | User's Card ID (Inherited from [UserCredentialModel](#_B63C5A62_Topic).) |
| Public property | [EmailAddress](#_92C31879_Topic) | User's email address |
| Public property | [EmployeeId](#_574D3FF8_Topic) | User's Employee ID |
| Public property | [FirstName](#_7F7591CC_Topic) | User's first name |
| Public property | [MobileNumber](#_3317DCC4_Topic) | User's mobile number |
| Public property | [PIN](#_8D3251FB_Topic) | User's PIN (Inherited from [UserCredentialModel](#_B63C5A62_Topic).) |
| Public property | [Surname](#_5429A3C6_Topic) | User's surname |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | **Equals** | Determines whether the specified object is equal to the current object. (Inherited from **Object**.) |
| Protected method | **Finalize** | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from **Object**.) |
| Public method | **GetHashCode** | Serves as the default hash function. (Inherited from **Object**.) |
| Public method | **GetType** | Gets the **Type** of the current instance. (Inherited from **Object**.) |
| Protected method | **MemberwiseClone** | Creates a shallow copy of the current **Object**. (Inherited from **Object**.) |
| Public method | **ToString** | Returns a string that represents the current object. (Inherited from **Object**.) |

## See Also

[SynopticProject\_Project\_E.Models Namespace](#_3E746F69_Topic)

# UserUploadModel Constructor

Initializes a new instance of the [UserUploadModel](#_6ECDC63B_Topic) class

**Namespace:** [SynopticProject\_Project\_E.Models](#_3E746F69_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[UserUploadModel Class](#_6ECDC63B_Topic)

[SynopticProject\_Project\_E.Models Namespace](#_3E746F69_Topic)

# UserUploadModel.UserUploadModel Properties

The [UserUploadModel](#_6ECDC63B_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [CardId](#_AEA87896_Topic) | User's Card ID (Inherited from [UserCredentialModel](#_B63C5A62_Topic).) |
| Public property | [EmailAddress](#_92C31879_Topic) | User's email address |
| Public property | [EmployeeId](#_574D3FF8_Topic) | User's Employee ID |
| Public property | [FirstName](#_7F7591CC_Topic) | User's first name |
| Public property | [MobileNumber](#_3317DCC4_Topic) | User's mobile number |
| Public property | [PIN](#_8D3251FB_Topic) | User's PIN (Inherited from [UserCredentialModel](#_B63C5A62_Topic).) |
| Public property | [Surname](#_5429A3C6_Topic) | User's surname |

## See Also

[UserUploadModel Class](#_6ECDC63B_Topic)

[SynopticProject\_Project\_E.Models Namespace](#_3E746F69_Topic)

# UserUploadModel.EmailAddress Property

User's email address

**Namespace:** [SynopticProject\_Project\_E.Models](#_3E746F69_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[UserUploadModel Class](#_6ECDC63B_Topic)

[SynopticProject\_Project\_E.Models Namespace](#_3E746F69_Topic)

# UserUploadModel.EmployeeId Property

User's Employee ID

**Namespace:** [SynopticProject\_Project\_E.Models](#_3E746F69_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[UserUploadModel Class](#_6ECDC63B_Topic)

[SynopticProject\_Project\_E.Models Namespace](#_3E746F69_Topic)

# UserUploadModel.FirstName Property

User's first name

**Namespace:** [SynopticProject\_Project\_E.Models](#_3E746F69_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[UserUploadModel Class](#_6ECDC63B_Topic)

[SynopticProject\_Project\_E.Models Namespace](#_3E746F69_Topic)

# UserUploadModel.MobileNumber Property

User's mobile number

**Namespace:** [SynopticProject\_Project\_E.Models](#_3E746F69_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[UserUploadModel Class](#_6ECDC63B_Topic)

[SynopticProject\_Project\_E.Models Namespace](#_3E746F69_Topic)

# UserUploadModel.Surname Property

User's surname

**Namespace:** [SynopticProject\_Project\_E.Models](#_3E746F69_Topic)  
**Assembly:** SynopticProject\_Project\_E (in SynopticProject\_Project\_E.exe) Version: 1.0.0

## See Also

[UserUploadModel Class](#_6ECDC63B_Topic)

[SynopticProject\_Project\_E.Models Namespace](#_3E746F69_Topic)

# UserUploadModel.UserUploadModel Methods

The [UserUploadModel](#_6ECDC63B_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | **Equals** | Determines whether the specified object is equal to the current object. (Inherited from **Object**.) |
| Protected method | **Finalize** | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from **Object**.) |
| Public method | **GetHashCode** | Serves as the default hash function. (Inherited from **Object**.) |
| Public method | **GetType** | Gets the **Type** of the current instance. (Inherited from **Object**.) |
| Protected method | **MemberwiseClone** | Creates a shallow copy of the current **Object**. (Inherited from **Object**.) |
| Public method | **ToString** | Returns a string that represents the current object. (Inherited from **Object**.) |

## See Also

[UserUploadModel Class](#_6ECDC63B_Topic)

[SynopticProject\_Project\_E.Models Namespace](#_3E746F69_Topic)