

# Namespace Oscars.Backend.Dtos

## Classes

[AnswerDto](#)

[LoginDto](#)

Data Transfer Object (DTO) for user login.

[PollDto](#)

[QuestionDto](#)

[UniqueCodeDto](#)

Represents a unique code assigned to a voter.

[UserDto](#)

[VoteRequestDto](#)

Represents a request to cast a vote in a poll.

[VoteResultDto](#)

Represents a request to cast a vote result in a poll.

[VoterDto](#)

[VoterWithCodeDto](#)

Represents a voter with an associated code in the polling system.

# Class AnswerDto

Namespace: [Oscars.Backend.Dtos](#)

Assembly: Oscars.dll

```
public class AnswerDto
```

## Inheritance

[object](#) ← AnswerDto

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

# Properties

## Id

```
public required int Id { get; set; }
```

### Property Value

[int](#)

## QuestionId

```
public required int QuestionId { get; set; }
```

### Property Value

[int](#)

## Title

```
public required string Title { get; set; }
```

Property Value

[string](#) ↗

# Class LoginDto

Namespace: [Oscars.Backend.Dtos](#)

Assembly: Oscars.dll

Data Transfer Object (DTO) for user login.

```
public class LoginDto
```

Inheritance

[object](#) ← LoginDto

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Properties

Password

```
public required string Password { get; set; }
```

Property Value

[string](#)

Username

```
public required string Username { get; set; }
```

Property Value

[string](#)

# Class PollDto

Namespace: [Oscars.Backend.Dtos](#)

Assembly: Oscars.dll

```
public class PollDto
```

## Inheritance

[object](#) ← PollDto

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

# Properties

## Created\_at

```
public required DateTime Created_at { get; set; }
```

### Property Value

[DateTime](#)

## Description

```
public string? Description { get; set; }
```

### Property Value

[string](#)

## Id

```
public required int Id { get; set; }
```

Property Value

[int ↗](#)

Title

```
public required string Title { get; set; }
```

Property Value

[string ↗](#)

Updated\_at

```
public DateTime? Updated_at { get; set; }
```

Property Value

[DateTime ↗?](#)

UserId

```
public required int UserId { get; set; }
```

Property Value

[int ↗](#)

# Class QuestionDto

Namespace: [Oscars.Backend.Dtos](#)

Assembly: Oscars.dll

```
public class QuestionDto
```

## Inheritance

[object](#) ← QuestionDto

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

# Properties

## Description

```
public required string Description { get; set; }
```

### Property Value

[string](#)

## Id

```
public required int Id { get; set; }
```

### Property Value

[int](#)

## Title

```
public required string Title { get; set; }
```

Property Value

[string](#) ↗

pollId

```
public required int pollId { get; set; }
```

Property Value

[int](#) ↗

# Class UniqueCodeDto

Namespace: [Oscars.Backend.Dtos](#)

Assembly: Oscars.dll

Represents a unique code assigned to a voter.

```
public class UniqueCodeDto
```

## Inheritance

[object](#) ← UniqueCodeDto

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

# Properties

## Code

```
public required string Code { get; set; }
```

## Property Value

[string](#)

## Id

```
public required int Id { get; set; }
```

## Property Value

[int](#)

## Used

```
public required bool Used { get; set; }
```

### Property Value

[bool ↗](#)

## VoterId

```
public required int VoterId { get; set; }
```

### Property Value

[int ↗](#)

# Class UserDto

Namespace: [Oscars.Backend.Dtos](#)

Assembly: Oscars.dll

```
public class UserDto
```

## Inheritance

[object](#) ← UserDto

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

# Properties

## Email

```
public required string Email { get; set; }
```

## Property Value

[string](#)

## Id

```
public int Id { get; set; }
```

## Property Value

[int](#)

## Password

```
public required string Password { get; set; }
```

Property Value

[string](#) ↗

Role

```
public required string Role { get; set; }
```

Property Value

[string](#) ↗

Username

```
public required string Username { get; set; }
```

Property Value

[string](#) ↗

# Class VoteRequestDto

Namespace: [Oscars.Backend.Dtos](#)

Assembly: Oscars.dll

Represents a request to cast a vote in a poll.

```
public class VoteRequestDto
```

Inheritance

[object](#) ← VoteRequestDto

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Properties

AnswerId

```
public int AnswerId { get; set; }
```

Property Value

[int](#)

QuestionId

```
public int QuestionId { get; set; }
```

Property Value

[int](#)

## VoterId

```
public int VoterId { get; set; }
```

Property Value

[int ↗](#)

# Class VoteResultDto

Namespace: [Oscars.Backend.Dtos](#)

Assembly: Oscars.dll

Represents a request to cast a vote result in a poll.

```
public class VoteResultDto
```

## Inheritance

[object](#) ← VoteResultDto

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

# Properties

## Answer

```
public string? Answer { get; set; }
```

### Property Value

[string](#)

## AnswerId

```
public int AnswerId { get; set; }
```

### Property Value

[int](#)

## VoteCount

```
public int VoteCount { get; set; }
```

Property Value

[int ↗](#)

# Class VoterDto

Namespace: [Oscars.Backend.Dtos](#)

Assembly: Oscars.dll

```
public class VoterDto
```

## Inheritance

[object](#) ← VoterDto

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

# Properties

## Email

```
public string? Email { get; set; }
```

## Property Value

[string](#)

## Id

```
public required int Id { get; set; }
```

## Property Value

[int](#)

## Name

```
public required string Name { get; set; }
```

Property Value

[string](#) ↗

## PollId

Represents a Data Transfer Object (DTO) for a voter in the PollZ platform.

```
public required int PollId { get; set; }
```

Property Value

[int](#) ↗

# Class VoterWithCodeDto

Namespace: [Oscars.Backend.Dtos](#)

Assembly: Oscars.dll

Represents a voter with an associated code in the polling system.

```
public class VoterWithCodeDto
```

## Inheritance

[object](#) ← VoterWithCodeDto

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

# Properties

## Code

```
public required string Code { get; set; }
```

### Property Value

[string](#)

## Email

```
public string? Email { get; set; }
```

### Property Value

[string](#)

## Id

```
public required int Id { get; set; }
```

Property Value

[int ↗](#)

## Name

```
public required string Name { get; set; }
```

Property Value

[string ↗](#)

## PollId

```
public required int PollId { get; set; }
```

Property Value

[int ↗](#)

## Used

```
public required bool Used { get; set; }
```

Property Value

[bool ↗](#)

# Namespace Oscars.Backend.Model

## Classes

### [Answer](#)

Represents an answer to a question in the PollZ platform.

### [Poll](#)

Represents a poll created by a user.

### [Question](#)

Represents a question in a poll.

### [UniqueCode](#)

Represents a unique code associated with a voter.

### [Vote](#)

Represents a vote in the polling system.

### [Voter](#)

Represents a voter in a poll.

# Class Answer

Namespace: [Oscars.Backend.Model](#)

Assembly: Oscars.dll

Represents an answer to a question in the PollZ platform.

```
public class Answer
```

Inheritance

[object](#) ← Answer

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Properties

Id

```
public required int Id { get; set; }
```

Property Value

[int](#)

QuestionId

```
public required int QuestionId { get; set; }
```

Property Value

[int](#)

## Title

```
public required string Title { get; set; }
```

## Property Value

[string](#) ↗

# Class Poll

Namespace: [Oscars.Backend.Model](#)

Assembly: Oscars.dll

Represents a poll created by a user.

```
public class Poll
```

Inheritance

[object](#) ← Poll

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Properties

Created\_at

```
public required DateTime Created_at { get; set; }
```

Property Value

[DateTime](#)

Description

```
public string? Description { get; set; }
```

Property Value

[string](#)

## Id

```
public required int Id { get; set; }
```

### Property Value

[int ↗](#)

## Title

```
public required string Title { get; set; }
```

### Property Value

[string ↗](#)

## Updated\_at

```
public DateTime? Updated_at { get; set; }
```

### Property Value

[DateTime ↗?](#)

## UserId

```
public required int UserId { get; set; }
```

### Property Value

[int ↗](#)

# Class Question

Namespace: [Oscars.Backend.Model](#)

Assembly: Oscars.dll

Represents a question in a poll.

```
public class Question
```

Inheritance

[object](#) ← Question

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Properties

Description

```
public required string Description { get; set; }
```

Property Value

[string](#)

Id

```
public required int Id { get; set; }
```

Property Value

[int](#)

## Title

```
public required string Title { get; set; }
```

## Property Value

[string ↗](#)

## pollId

```
public required int pollId { get; set; }
```

## Property Value

[int ↗](#)

# Class UniqueCode

Namespace: [Oscars.Backend.Model](#)

Assembly: Oscars.dll

Represents a unique code associated with a voter.

```
public class UniqueCode
```

## Inheritance

[object](#) ← UniqueCode

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Remarks

This class is used to generate and manage unique codes for voters. Each unique code has an identifier, a voter identifier, the code itself, and a flag indicating whether the code has been used.

## Properties

### Code

```
public required string Code { get; set; }
```

Property Value

[string](#)

### Id

```
public required int Id { get; set; }
```

Property Value

[int](#)

## Used

```
public required bool Used { get; set; }
```

Property Value

[bool](#)

## VoterId

```
public required int VoterId { get; set; }
```

Property Value

[int](#)

## Methods

### Generate()

Generates a random 6-character string consisting of uppercase letters, lowercase letters, and digits.

```
public string Generate()
```

Returns

[string](#)

A randomly generated 6-character string.

# Class Vote

Namespace: [Oscars.Backend.Model](#)

Assembly: Oscars.dll

Represents a vote in the polling system.

```
public class Vote
```

## Inheritance

[object](#) ← Vote

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Remarks

The [Vote](#) class contains information about a vote, including the IDs of the vote, answer, question, and voter, as well as timestamps for when the vote was created and last updated.

## Properties

### AnswerId

```
public required int AnswerId { get; set; }
```

Property Value

[int](#)

### CreatedAt

```
public required DateTime CreatedAt { get; set; }
```

Property Value

[DateTime](#)

## Id

```
public required int Id { get; set; }
```

Property Value

[int](#)

## QuestionId

```
public required int QuestionId { get; set; }
```

Property Value

[int](#)

## UpdatedAt

```
public DateTime UpdatedAt { get; set; }
```

Property Value

[DateTime](#)

## VoterId

```
public required int VoterId { get; set; }
```

Property Value

[int](#)

# Class Voter

Namespace: [Oscars.Backend.Model](#)

Assembly: Oscars.dll

Represents a voter in a poll.

```
public class Voter
```

Inheritance

[object](#) ← Voter

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Properties

Email

```
public string? Email { get; set; }
```

Property Value

[string](#)

Id

```
public required int Id { get; set; }
```

Property Value

[int](#)

## Name

```
public required string Name { get; set; }
```

## Property Value

[string](#) ↗

## PollId

```
public required int PollId { get; set; }
```

## Property Value

[int](#) ↗

# Namespace Oscars.Backend.Router

## Classes

[AnswerRouter](#)

[LoginRouter](#)

Router for handling authentication-related requests.

[PollRouter](#)

Router for handling poll-related requests.

[QuestionRouter](#)

Router for handling question-related requests.

[UserRouter](#)

Router for handling user-related requests.

[VoteRouter](#)

Router for handling vote-related requests.

[VoterRouter](#)

Router for handling voter-related requests.

# Class AnswerRouter

Namespace: [Oscars.Backend.Router](#)

Assembly: Oscars.dll

```
[ApiController]
[Route("api/answer")]
public class AnswerRouter : ControllerBase
```

## Inheritance

[object](#) ← [ControllerBase](#) ← AnswerRouter

## Inherited Members

[ControllerBase.StatusCode\(int\)](#) , [ControllerBase.StatusCode\(int, object\)](#) ,  
[ControllerBase.Content\(string\)](#) , [ControllerBase.Content\(string, string\)](#) ,  
[ControllerBase.Content\(string, string, Encoding\)](#) ,  
[ControllerBase.Content\(string, MediaTypeHeaderValue\)](#) , [ControllerBase.NoContent\(\)](#) ,  
[ControllerBase.Ok\(\)](#) , [ControllerBase.Ok\(object\)](#) , [ControllerBase.Redirect\(string\)](#) ,  
[ControllerBase.RedirectPermanent\(string\)](#) , [ControllerBase.RedirectPreserveMethod\(string\)](#) ,  
[ControllerBase.RedirectPermanentPreserveMethod\(string\)](#) , [ControllerBase.LocalRedirect\(string\)](#) ,  
[ControllerBase.LocalRedirectPermanent\(string\)](#) , [ControllerBase.LocalRedirectPreserveMethod\(string\)](#) ,  
[ControllerBase.LocalRedirectPermanentPreserveMethod\(string\)](#) , [ControllerBase.RedirectToAction\(\)](#) ,  
[ControllerBase.RedirectToAction\(string\)](#) , [ControllerBase.RedirectToAction\(string, object\)](#) ,  
[ControllerBase.RedirectToAction\(string, string\)](#) ,  
[ControllerBase.RedirectToAction\(string, string, object\)](#) ,  
[ControllerBase.RedirectToAction\(string, string, string\)](#) ,  
[ControllerBase.RedirectToAction\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToActionPreserveMethod\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, object\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string, string\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string, object\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToActionPermanentPreserveMethod\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToRoute\(string\)](#) , [ControllerBase.RedirectToRoute\(object\)](#) ,  
[ControllerBase.RedirectToRoute\(string, object\)](#) , [ControllerBase.RedirectToRoute\(string, string\)](#) ,  
[ControllerBase.RedirectToRoute\(string, object, string\)](#) ,  
[ControllerBase.RedirectToRoutePreserveMethod\(string, object, string\)](#) ,

[ControllerBase.RedirectToRoutePermanent\(string\)](#)  ,  
 [ControllerBase.RedirectToRoutePermanent\(object\)](#)  ,  
 [ControllerBase.RedirectToRoutePermanent\(string, object\)](#)  ,  
 [ControllerBase.RedirectToRoutePermanent\(string, string\)](#)  ,  
 [ControllerBase.RedirectToRoutePermanent\(string, object, string\)](#)  ,  
 [ControllerBase.RedirectToRoutePermanentPreserveMethod\(string, object, string\)](#)  ,  
 [ControllerBase.RedirectToPage\(string\)](#)  ,  [ControllerBase.RedirectToPage\(string, object\)](#)  ,  
 [ControllerBase.RedirectToPage\(string, string\)](#)  ,  [ControllerBase.RedirectToPage\(string, string, object\)](#)  ,  
 [ControllerBase.RedirectToPage\(string, string, string\)](#)  ,  
 [ControllerBase.RedirectToPage\(string, string, object, string\)](#)  ,  
 [ControllerBase.RedirectToPagePermanent\(string\)](#)  ,  
 [ControllerBase.RedirectToPagePermanent\(string, object\)](#)  ,  
 [ControllerBase.RedirectToPagePermanent\(string, string\)](#)  ,  
 [ControllerBase.RedirectToPagePermanent\(string, string, string\)](#)  ,  
 [ControllerBase.RedirectToPagePermanent\(string, string, object, string\)](#)  ,  
 [ControllerBase.RedirectToPagePreserveMethod\(string, string, object, string\)](#)  ,  
 [ControllerBase.RedirectToPagePermanentPreserveMethod\(string, string, object, string\)](#)  ,  
 [ControllerBase.File\(byte\[\], string\)](#)  ,  [ControllerBase.File\(byte\[\], string, bool\)](#)  ,  
 [ControllerBase.File\(byte\[\], string, string\)](#)  ,  [ControllerBase.File\(byte\[\], string, string, bool\)](#)  ,  
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#)  ,  
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#)  ,  
 [ControllerBase.File\(Stream, string\)](#)  ,  [ControllerBase.File\(Stream, string, bool\)](#)  ,  
 [ControllerBase.File\(Stream, string, string\)](#)  ,  [ControllerBase.File\(Stream, string, string, bool\)](#)  ,  
 [ControllerBase.File\(Stream, string, DateTimeOffset?\)](#)  ,  
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?\)](#)  ,  
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.File\(string, string\)](#)  ,  [ControllerBase.File\(string, string, bool\)](#)  ,  
 [ControllerBase.File\(string, string, string\)](#)  ,  [ControllerBase.File\(string, string, string, bool\)](#)  ,  
 [ControllerBase.File\(string, string, DateTimeOffset?\)](#)  ,  
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.File\(string, string, string, DateTimeOffset?\)](#)  ,  
 [ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.PhysicalFile\(string, string\)](#)  ,  [ControllerBase.PhysicalFile\(string, string, bool\)](#)  ,  
 [ControllerBase.PhysicalFile\(string, string, string\)](#)  ,  
 [ControllerBase.PhysicalFile\(string, string, string, bool\)](#)  ,  
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?\)](#)  ,  
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?\)](#)  ,  
 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,

[ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#)  ,  
 [ControllerBase.Unauthorized\(\)](#)  ,  [ControllerBase.Unauthorized\(object\)](#)  ,  [ControllerBase.NotFound\(\)](#)  ,  
 [ControllerBase.NotFound\(object\)](#)  ,  [ControllerBase.BadRequest\(\)](#)  ,  
 [ControllerBase.BadRequest\(object\)](#)  ,  [ControllerBase.BadRequest\(ModelStateDictionary\)](#)  ,  
 [ControllerBase.UnprocessableEntity\(\)](#)  ,  [ControllerBase.UnprocessableEntity\(object\)](#)  ,  
 [ControllerBase.UnprocessableEntity\(ModelStateDictionary\)](#)  ,  [ControllerBase.Conflict\(\)](#)  ,  
 [ControllerBase.Conflict\(object\)](#)  ,  [ControllerBase.Conflict\(ModelStateDictionary\)](#)  ,  
 [ControllerBase.Problem\(string, string, int?, string, string\)](#)  ,  
 [ControllerBase.ValidationProblem\(ValidationProblemDetails\)](#)  ,  
 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#)  ,  [ControllerBase.ValidationProblem\(\)](#)  ,  
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\)](#)  ,  
 [ControllerBase.Created\(\)](#)  ,  [ControllerBase.Created\(string, object\)](#)  ,  
 [ControllerBase.Created\(Uri, object\)](#)  ,  [ControllerBase.CreatedAtAction\(string, object\)](#)  ,  
 [ControllerBase.CreatedAtAction\(string, object, object\)](#)  ,  
 [ControllerBase.CreatedAtAction\(string, string, object, object\)](#)  ,  
 [ControllerBase.CreatedAtRoute\(string, object\)](#)  ,  [ControllerBase.CreatedAtRoute\(object, object\)](#)  ,  
 [ControllerBase.CreatedAtRoute\(string, object, object\)](#)  ,  [ControllerBase.Accepted\(\)](#)  ,  
 [ControllerBase.Accepted\(object\)](#)  ,  [ControllerBase.Accepted\(Uri\)](#)  ,  [ControllerBase.Accepted\(string\)](#)  ,  
 [ControllerBase.Accepted\(string, object\)](#)  ,  [ControllerBase.Accepted\(Uri, object\)](#)  ,  
 [ControllerBase.AcceptedAtAction\(string\)](#)  ,  [ControllerBase.AcceptedAtAction\(string, string\)](#)  ,  
 [ControllerBase.AcceptedAtAction\(string, object\)](#)  ,  
 [ControllerBase.AcceptedAtAction\(string, string, object\)](#)  ,  
 [ControllerBase.AcceptedAtAction\(string, object, object\)](#)  ,  
 [ControllerBase.AcceptedAtRoute\(object\)](#)  ,  [ControllerBase.AcceptedAtRoute\(string\)](#)  ,  
 [ControllerBase.AcceptedAtRoute\(string, object\)](#)  ,  [ControllerBase.AcceptedAtRoute\(object, object\)](#)  ,  
 [ControllerBase.AcceptedAtRoute\(string, object, object\)](#)  ,  [ControllerBase.Challenge\(\)](#)  ,  
 [ControllerBase.Challenge\(params string\[\]\)](#)  ,  [ControllerBase.Challenge\(AuthenticationProperties\)](#)  ,  
 [ControllerBase.Challenge\(AuthenticationProperties, params string\[\]\)](#)  ,  [ControllerBase.Forbid\(\)](#)  ,  
 [ControllerBase.Forbid\(params string\[\]\)](#)  ,  [ControllerBase.Forbid\(AuthenticationProperties\)](#)  ,  
 [ControllerBase.Forbid\(AuthenticationProperties, params string\[\]\)](#)  ,  
 [ControllerBase.SignIn\(ClaimsPrincipal\)](#)  ,  [ControllerBase.SignIn\(ClaimsPrincipal, string\)](#)  ,  
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties\)](#)  ,  
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties, string\)](#)  ,  [ControllerBase.SignOut\(\)](#)  ,  
 [ControllerBase.SignOut\(AuthenticationProperties\)](#)  ,  [ControllerBase.SignOut\(params string\[\]\)](#)  ,  
 [ControllerBase.SignOut\(AuthenticationProperties, params string\[\]\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider\)](#)  ,

```
 ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params Expression<Func<TModel, object>>\[\]\) ,
 ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata, bool>\) ,
 ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, params Expression<Func<TModel, object>>\[\]\) ,
 ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, Func<ModelMetadata, bool>\) ,
 ControllerBase.TryUpdateModelAsync\(object, Type, string\) ,
 ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider, Func<ModelMetadata, bool>\)
↗ ,
 ControllerBase.TryValidateModel\(object\) ,  ControllerBase.TryValidateModel\(object, string\) ,
 ControllerBase.HttpContext ,  ControllerBase.Request ,  ControllerBase.Response ,
 ControllerBase.RouteData ,  ControllerBase.ModelState ,  ControllerBase.ControllerContext ,
 ControllerBase.MetadataProvider ,  ControllerBase.ModelBinderFactory ,  ControllerBase.Url ,
 ControllerBase.ObjectValidator ,  ControllerBase.ProblemDetailsFactory ,  ControllerBase.User ,
 ControllerBase.Empty ,  object.Equals\(object\) ,  object.Equals\(object, object\) ,
 object.GetHashCode\(\) ,  object.GetType\(\) ,  object.MemberwiseClone\(\) ,
 object.ReferenceEquals\(object, object\) ,  object.ToString\(\)
```

## Constructors

### AnswerRouter(AnswerService)

```
public AnswerRouter(AnswerService answerService)
```

#### Parameters

answerService [AnswerService](#)

## Methods

### Create(AnswerDto)

Handles HTTP POST requests to create a new answer.

```
[HttpPost]
public ActionResult Create(AnswerDto answerDto)
```

## Parameters

`answerDto` [AnswerDto](#)

The data transfer object containing the answer details.

## Returns

[ActionResult](#)

An [ActionResult](#) that contains the created answer and a location header with the URL to retrieve the answer by its ID.

## Delete(int)

Deletes an answer with the specified id.

```
[HttpDelete("{id}")]
public ActionResult Delete(int id)
```

## Parameters

`id` [int](#)

The id of the answer to delete.

## Returns

[ActionResult](#)

Returns a [ActionResult](#). If the id is invalid, returns a [BadRequestResult](#) with an error message. If the deletion is successful, returns a [NoContentResult](#).

## GetAll()

Handles HTTP GET requests to retrieve all answers.

```
[HttpGet]
public ActionResult GetAll()
```

Returns

## [ActionResult](#)

An [ActionResult](#) containing the list of all answers if found; otherwise, a [NotFoundResult](#) result with a message indicating no answers were found.

## GetById(int)

Handles HTTP GET requests to retrieve an answer by its ID.

```
[HttpGet("{id}")]
public ActionResult GetById(int id)
```

Parameters

### `id` [int](#)

The ID of the answer to retrieve.

Returns

## [ActionResult](#)

An [ActionResult](#) containing the answer if found, or a `NotFound` result if the answer does not exist.

## GetByQuestionId(int)

Retrieves answers by the specified question ID.

```
[HttpGet("question/{questionId}")]
public ActionResult GetByQuestionId(int questionId)
```

Parameters

### `questionId` [int](#)

The ID of the question to retrieve answers for.

Returns

#### [ActionResult](#)

An [ActionResult](#) containing the answers for the specified question ID. Returns a 404 Not Found response if no answers are found.

## Update(int, AnswerDto)

Updates an existing answer with the specified id.

```
[HttpPut("{id}")]
public ActionResult Update(int id, AnswerDto answerDto)
```

Parameters

#### [id int](#)

The id of the answer to update.

#### [answerDto AnswerDto](#)

The data transfer object containing the updated answer details.

Returns

#### [ActionResult](#)

Returns a [ActionResult](#) indicating the result of the update operation. If the id is invalid, returns a [BadRequestResult](#) with an error message. If the update is successful, returns a [NoContentResult](#).

# Class LoginRouter

Namespace: [Oscars.Backend.Router](#)

Assembly: Oscars.dll

Router for handling authentication-related requests.

```
[EnableCors("AllowFrontend")]
[ApiController]
[Route("api/auth")]
public class LoginRouter : ControllerBase
```

## Inheritance

[object](#) ← [ControllerBase](#) ← LoginRouter

## Inherited Members

[ControllerBase.StatusCode\(int\)](#) , [ControllerBase.StatusCode\(int, object\)](#) ,  
[ControllerBase.Content\(string\)](#) , [ControllerBase.Content\(string, string\)](#) ,  
[ControllerBase.Content\(string, string, Encoding\)](#) ,  
[ControllerBase.Content\(string, MediaTypeHeaderValue\)](#) , [ControllerBase.NoContent\(\)](#) ,  
[ControllerBase.Ok\(\)](#) , [ControllerBase.Ok\(object\)](#) , [ControllerBase.Redirect\(string\)](#) ,  
[ControllerBase.RedirectPermanent\(string\)](#) , [ControllerBase.RedirectPreserveMethod\(string\)](#) ,  
[ControllerBase.RedirectPermanentPreserveMethod\(string\)](#) , [ControllerBase.LocalRedirect\(string\)](#) ,  
[ControllerBase.LocalRedirectPermanent\(string\)](#) , [ControllerBase.LocalRedirectPreserveMethod\(string\)](#) ,  
[ControllerBase.LocalRedirectPermanentPreserveMethod\(string\)](#) , [ControllerBase.RedirectToAction\(\)](#) ,  
[ControllerBase.RedirectToAction\(string\)](#) , [ControllerBase.RedirectToAction\(string, object\)](#) ,  
[ControllerBase.RedirectToAction\(string, string\)](#) ,  
[ControllerBase.RedirectToAction\(string, string, object\)](#) ,  
[ControllerBase.RedirectToAction\(string, string, string\)](#) ,  
[ControllerBase.RedirectToAction\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToActionPreserveMethod\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, object\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string, string\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string, object\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToActionPermanentPreserveMethod\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToRoute\(string\)](#) , [ControllerBase.RedirectToRoute\(object\)](#) ,  
[ControllerBase.RedirectToRoute\(string, object\)](#) , [ControllerBase.RedirectToRoute\(string, string\)](#) ,

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 [ControllerBase.RedirectToRoutePreserveMethod\(string, object, string\)](#)  ,  
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 [ControllerBase.RedirectToRoutePermanent\(string, string\)](#)  ,  
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 [ControllerBase.RedirectToPage\(string, string, string\)](#)  ,  
 [ControllerBase.RedirectToPage\(string, string, object, string\)](#)  ,  
 [ControllerBase.RedirectToPagePermanent\(string\)](#)  ,  
 [ControllerBase.RedirectToPagePermanent\(string, object\)](#)  ,  
 [ControllerBase.RedirectToPagePermanent\(string, string\)](#)  ,  
 [ControllerBase.RedirectToPagePermanent\(string, string, string\)](#)  ,  
 [ControllerBase.RedirectToPagePermanent\(string, string, object, string\)](#)  ,  
 [ControllerBase.RedirectToPagePreserveMethod\(string, string, object, string\)](#)  ,  
 [ControllerBase.RedirectToPagePermanentPreserveMethod\(string, string, object, string\)](#)  ,  
 [ControllerBase.File\(byte\[\], string\)](#)  ,  [ControllerBase.File\(byte\[\], string, bool\)](#)  ,  
 [ControllerBase.File\(byte\[\], string, string\)](#)  ,  [ControllerBase.File\(byte\[\], string, string, bool\)](#)  ,  
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#)  ,  
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
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 [ControllerBase.File\(Stream, string, string\)](#)  ,  [ControllerBase.File\(Stream, string, string, bool\)](#)  ,  
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#)  ,  
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 [ControllerBase.File\(string, string, string\)](#)  ,  [ControllerBase.File\(string, string, string, bool\)](#)  ,  
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#)  ,  
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 [ControllerBase.PhysicalFile\(string, string, string\)](#)  ,  
 [ControllerBase.PhysicalFile\(string, string, string, bool\)](#)  ,

[ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#)  ,  
 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#)  ,  
 [ControllerBase.Unauthorized\(\)](#)  ,  [ControllerBase.Unauthorized\(object\)](#)  ,  [ControllerBase.NotFound\(\)](#)  ,  
 [ControllerBase.NotFound\(object\)](#)  ,  [ControllerBase.BadRequest\(\)](#)  ,  
 [ControllerBase.BadRequest\(object\)](#)  ,  [ControllerBase.BadRequest\(ModelStateDictionary\)](#)  ,  
 [ControllerBase.UnprocessableEntity\(\)](#)  ,  [ControllerBase.UnprocessableEntity\(object\)](#)  ,  
 [ControllerBase.UnprocessableEntity\(ModelStateDictionary\)](#)  ,  [ControllerBase.Conflict\(\)](#)  ,  
 [ControllerBase.Conflict\(object\)](#)  ,  [ControllerBase.Conflict\(ModelStateDictionary\)](#)  ,  
 [ControllerBase.Problem\(string, string, int?, string, string\)](#)  ,  
 [ControllerBase.ValidationProblem\(ValidationProblemDetails\)](#)  ,  
 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#)  ,  [ControllerBase.ValidationProblem\(\)](#)  ,  
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\)](#)  ,  
 [ControllerBase.Created\(\)](#)  ,  [ControllerBase.Created\(string, object\)](#)  ,  
 [ControllerBase.Created\(Uri, object\)](#)  ,  [ControllerBase.CreatedAtAction\(string, object\)](#)  ,  
 [ControllerBase.CreatedAtAction\(string, object, object\)](#)  ,  
 [ControllerBase.CreatedAtAction\(string, string, object, object\)](#)  ,  
 [ControllerBase.CreatedAtRoute\(string, object\)](#)  ,  [ControllerBase.CreatedAtRoute\(object, object\)](#)  ,  
 [ControllerBase.CreatedAtRoute\(string, object, object\)](#)  ,  [ControllerBase.Accepted\(\)](#)  ,  
 [ControllerBase.Accepted\(object\)](#)  ,  [ControllerBase.Accepted\(Uri\)](#)  ,  [ControllerBase.Accepted\(string\)](#)  ,  
 [ControllerBase.Accepted\(string, object\)](#)  ,  [ControllerBase.Accepted\(Uri, object\)](#)  ,  
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 [ControllerBase.AcceptedAtAction\(string, object\)](#)  ,  
 [ControllerBase.AcceptedAtAction\(string, string, object\)](#)  ,  
 [ControllerBase.AcceptedAtAction\(string, object, object\)](#)  ,  
 [ControllerBase.AcceptedAtRoute\(object\)](#)  ,  [ControllerBase.AcceptedAtRoute\(string\)](#)  ,  
 [ControllerBase.AcceptedAtRoute\(string, object\)](#)  ,  [ControllerBase.AcceptedAtRoute\(object, object\)](#)  ,  
 [ControllerBase.AcceptedAtRoute\(string, object, object\)](#)  ,  [ControllerBase.Challenge\(\)](#)  ,  
 [ControllerBase.Challenge\(params string\[\]\)](#)  ,  [ControllerBase.Challenge\(AuthenticationProperties\)](#)  ,  
 [ControllerBase.Challenge\(AuthenticationProperties, params string\[\]\)](#)  ,  [ControllerBase.Forbid\(\)](#)  ,  
 [ControllerBase.Forbid\(params string\[\]\)](#)  ,  [ControllerBase.Forbid\(AuthenticationProperties\)](#)  ,  
 [ControllerBase.Forbid\(AuthenticationProperties, params string\[\]\)](#)  ,  
 [ControllerBase.SignIn\(ClaimsPrincipal\)](#)  ,  [ControllerBase.SignIn\(ClaimsPrincipal, string\)](#)  ,  
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties\)](#)  ,  
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties, string\)](#)  ,  [ControllerBase.SignOut\(\)](#)  ,  
 [ControllerBase.SignOut\(AuthenticationProperties\)](#)  ,  [ControllerBase.SignOut\(params string\[\]\)](#)  ,  
 [ControllerBase.SignOut\(AuthenticationProperties, params string\[\]\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel\)](#)  ,

[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params Expression<Func<TModel, object>>\[\]\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata, bool>\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, params Expression<Func<TModel, object>>\[\]\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,  
 [ControllerBase.TryUpdateModelAsync\(object, Type, string\)](#) ,  
 [ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,  
 [ControllerBase.TryValidateModel\(object\)](#) ,  [ControllerBase.TryValidateModel\(object, string\)](#) ,  
 [ControllerBase.HttpContext](#) ,  [ControllerBase.Request](#) ,  [ControllerBase.Response](#) ,  
 [ControllerBase.RouteData](#) ,  [ControllerBase.ModelState](#) ,  [ControllerBase.ControllerContext](#) ,  
 [ControllerBase.MetadataProvider](#) ,  [ControllerBase.ModelBinderFactory](#) ,  [ControllerBase.Url](#) ,  
 [ControllerBase.ObjectValidator](#) ,  [ControllerBase.ProblemDetailsFactory](#) ,  [ControllerBase.User](#) ,  
 [ControllerBase.Empty](#) ,  [object.Equals\(object\)](#) ,  [object.Equals\(object, object\)](#) ,  
 [object.GetHashCode\(\)](#) ,  [object.GetType\(\)](#) ,  [object.MemberwiseClone\(\)](#) ,  
 [object.ReferenceEquals\(object, object\)](#) ,  [object.ToString\(\)](#)

## Constructors

### LoginRouter(IAuthService)

Initializes a new instance of the [LoginRouter](#) class.

```
public LoginRouter(IAuthService authService)
```

## Parameters

authService [IAuthService](#)

The authentication service.

## Methods

### Login(LoginDto)

Logs in a user.

```
[HttpPost("login")]
public Task<IActionResult> Login(LoginDto loginDto)
```

Parameters

`loginDto` [LoginDto](#)

The login data transfer object containing login details.

Returns

[Task](#) <[IActionResult](#)>

An [IActionResult](#) indicating the result of the login attempt.

## Register(UserDto)

Registers a new user.

```
[HttpPost("register")]
public Task<IActionResult> Register(UserDto userDto)
```

Parameters

`userDto` [UserDto](#)

The user data transfer object containing registration details.

Returns

[Task](#) <[IActionResult](#)>

An [IActionResult](#) indicating the result of the registration.

# Class PollRouter

Namespace: [Oscars.Backend.Router](#)

Assembly: Oscars.dll

Router for handling poll-related requests.

```
[ApiController]
[Route("api/polls")]
public class PollRouter : ControllerBase
```

## Inheritance

[object](#) ← [ControllerBase](#) ← PollRouter

## Inherited Members

[ControllerBase.StatusCode\(int\)](#) , [ControllerBase.StatusCode\(int, object\)](#) ,  
[ControllerBase.Content\(string\)](#) , [ControllerBase.Content\(string, string\)](#) ,  
[ControllerBase.Content\(string, string, Encoding\)](#) ,  
[ControllerBase.Content\(string, MediaTypeHeaderValue\)](#) , [ControllerBase.NoContent\(\)](#) ,  
[ControllerBase.Ok\(\)](#) , [ControllerBase.Ok\(object\)](#) , [ControllerBase.Redirect\(string\)](#) ,  
[ControllerBase.RedirectPermanent\(string\)](#) , [ControllerBase.RedirectPreserveMethod\(string\)](#) ,  
[ControllerBase.RedirectPermanentPreserveMethod\(string\)](#) , [ControllerBase.LocalRedirect\(string\)](#) ,  
[ControllerBase.LocalRedirectPermanent\(string\)](#) , [ControllerBase.LocalRedirectPreserveMethod\(string\)](#) ,  
[ControllerBase.LocalRedirectPermanentPreserveMethod\(string\)](#) , [ControllerBase.RedirectToAction\(\)](#) ,  
[ControllerBase.RedirectToAction\(string\)](#) , [ControllerBase.RedirectToAction\(string, object\)](#) ,  
[ControllerBase.RedirectToAction\(string, string\)](#) ,  
[ControllerBase.RedirectToAction\(string, string, object\)](#) ,  
[ControllerBase.RedirectToAction\(string, string, string\)](#) ,  
[ControllerBase.RedirectToAction\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToActionPreserveMethod\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, object\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string, string\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string, object\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToActionPermanentPreserveMethod\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToRoute\(string\)](#) , [ControllerBase.RedirectToRoute\(object\)](#) ,  
[ControllerBase.RedirectToRoute\(string, object\)](#) , [ControllerBase.RedirectToRoute\(string, string\)](#) ,

[ControllerBase.RedirectToRoute\(string, object, string\)](#)  ,  
 [ControllerBase.RedirectToRoutePreserveMethod\(string, object, string\)](#)  ,  
 [ControllerBase.RedirectToRoutePermanent\(string\)](#)  ,  
 [ControllerBase.RedirectToRoutePermanent\(object\)](#)  ,  
 [ControllerBase.RedirectToRoutePermanent\(string, object\)](#)  ,  
 [ControllerBase.RedirectToRoutePermanent\(string, string\)](#)  ,  
 [ControllerBase.RedirectToRoutePermanent\(string, object, string\)](#)  ,  
 [ControllerBase.RedirectToRoutePermanentPreserveMethod\(string, object, string\)](#)  ,  
 [ControllerBase.RedirectToPage\(string\)](#)  ,  [ControllerBase.RedirectToPage\(string, object\)](#)  ,  
 [ControllerBase.RedirectToPage\(string, string\)](#)  ,  [ControllerBase.RedirectToPage\(string, string, object\)](#)  ,  
 [ControllerBase.RedirectToPage\(string, string, string\)](#)  ,  
 [ControllerBase.RedirectToPage\(string, string, object, string\)](#)  ,  
 [ControllerBase.RedirectToPagePermanent\(string\)](#)  ,  
 [ControllerBase.RedirectToPagePermanent\(string, object\)](#)  ,  
 [ControllerBase.RedirectToPagePermanent\(string, string\)](#)  ,  
 [ControllerBase.RedirectToPagePermanent\(string, string, string\)](#)  ,  
 [ControllerBase.RedirectToPagePermanent\(string, string, object, string\)](#)  ,  
 [ControllerBase.RedirectToPagePreserveMethod\(string, string, object, string\)](#)  ,  
 [ControllerBase.RedirectToPagePermanentPreserveMethod\(string, string, object, string\)](#)  ,  
 [ControllerBase.File\(byte\[\], string\)](#)  ,  [ControllerBase.File\(byte\[\], string, bool\)](#)  ,  
 [ControllerBase.File\(byte\[\], string, string\)](#)  ,  [ControllerBase.File\(byte\[\], string, string, bool\)](#)  ,  
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#)  ,  
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#)  ,  
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 [ControllerBase.File\(Stream, string, string\)](#)  ,  [ControllerBase.File\(Stream, string, string, bool\)](#)  ,  
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#)  ,  
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#)  ,  
 [ControllerBase.File\(string, string\)](#)  ,  [ControllerBase.File\(string, string, bool\)](#)  ,  
 [ControllerBase.File\(string, string, string\)](#)  ,  [ControllerBase.File\(string, string, string, bool\)](#)  ,  
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#)  ,  
 [ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#)  ,  
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 [ControllerBase.PhysicalFile\(string, string, string\)](#)  ,  
 [ControllerBase.PhysicalFile\(string, string, string, bool\)](#)  ,

[ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,  
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 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,  
 [ControllerBase.Unauthorized\(\)](#) ,  [ControllerBase.Unauthorized\(object\)](#) ,  [ControllerBase.NotFound\(\)](#) ,  
 [ControllerBase.NotFound\(object\)](#) ,  [ControllerBase.BadRequest\(\)](#) ,  
 [ControllerBase.BadRequest\(object\)](#) ,  [ControllerBase.BadRequest\(ModelStateDictionary\)](#) ,  
 [ControllerBase.UnprocessableEntity\(\)](#) ,  [ControllerBase.UnprocessableEntity\(object\)](#) ,  
 [ControllerBase.UnprocessableEntity\(ModelStateDictionary\)](#) ,  [ControllerBase.Conflict\(\)](#) ,  
 [ControllerBase.Conflict\(object\)](#) ,  [ControllerBase.Conflict\(ModelStateDictionary\)](#) ,  
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 [ControllerBase.ValidationProblem\(ValidationProblemDetails\)](#) ,  
 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#) ,  [ControllerBase.ValidationProblem\(\)](#) ,  
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\)](#) ,  
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 [ControllerBase.CreatedAtAction\(string, object, object\)](#) ,  
 [ControllerBase.CreatedAtAction\(string, string, object, object\)](#) ,  
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 [ControllerBase.Accepted\(string, object\)](#) ,  [ControllerBase.Accepted\(Uri, object\)](#) ,  
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 [ControllerBase.AcceptedAtAction\(string, string, object\)](#) ,  
 [ControllerBase.AcceptedAtAction\(string, object, object\)](#) ,  
 [ControllerBase.AcceptedAtRoute\(object\)](#) ,  [ControllerBase.AcceptedAtRoute\(string\)](#) ,  
 [ControllerBase.AcceptedAtRoute\(string, object\)](#) ,  [ControllerBase.AcceptedAtRoute\(object, object\)](#) ,  
 [ControllerBase.AcceptedAtRoute\(string, object, object\)](#) ,  [ControllerBase.Challenge\(\)](#) ,  
 [ControllerBase.Challenge\(params string\[\]\)](#) ,  [ControllerBase.Challenge\(AuthenticationProperties\)](#) ,  
 [ControllerBase.Challenge\(AuthenticationProperties, params string\[\]\)](#) ,  [ControllerBase.Forbid\(\)](#) ,  
 [ControllerBase.Forbid\(params string\[\]\)](#) ,  [ControllerBase.Forbid\(AuthenticationProperties\)](#) ,  
 [ControllerBase.Forbid\(AuthenticationProperties, params string\[\]\)](#) ,  
 [ControllerBase.SignIn\(ClaimsPrincipal\)](#) ,  [ControllerBase.SignIn\(ClaimsPrincipal, string\)](#) ,  
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties\)](#) ,  
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties, string\)](#) ,  [ControllerBase.SignOut\(\)](#) ,  
 [ControllerBase.SignOut\(AuthenticationProperties\)](#) ,  [ControllerBase.SignOut\(params string\[\]\)](#) ,  
 [ControllerBase.SignOut\(AuthenticationProperties, params string\[\]\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel\)](#) ,

[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params Expression<Func<TModel, object>>\[\]\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata, bool>\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, params Expression<Func<TModel, object>>\[\]\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,  
 [ControllerBase.TryUpdateModelAsync\(object, Type, string\)](#) ,  
 [ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,  
 [ControllerBase.TryValidateModel\(object\)](#) ,  [ControllerBase.TryValidateModel\(object, string\)](#) ,  
 [ControllerBase.HttpContext](#) ,  [ControllerBase.Request](#) ,  [ControllerBase.Response](#) ,  
 [ControllerBase.RouteData](#) ,  [ControllerBase.ModelState](#) ,  [ControllerBase.ControllerContext](#) ,  
 [ControllerBase.MetadataProvider](#) ,  [ControllerBase.ModelBinderFactory](#) ,  [ControllerBase.Url](#) ,  
 [ControllerBase.ObjectValidator](#) ,  [ControllerBase.ProblemDetailsFactory](#) ,  [ControllerBase.User](#) ,  
 [ControllerBase.Empty](#) ,  [object.Equals\(object\)](#) ,  [object.Equals\(object, object\)](#) ,  
 [object.GetHashCode\(\)](#) ,  [object.GetType\(\)](#) ,  [object.MemberwiseClone\(\)](#) ,  
 [object.ReferenceEquals\(object, object\)](#) ,  [object.ToString\(\)](#)

## Constructors

### PollRouter(PollService)

Router for handling poll-related requests.

```
public PollRouter(PollService pollService)
```

## Parameters

pollService  [PollService](#)

## Methods

### Create(PollDto)

Creates a new poll.

```
[HttpPost]  
public ActionResult Create(PollDto pollDto)
```

## Parameters

**pollDto** [PollDto](#)

The poll data transfer object containing poll details.

## Returns

[ActionResult](#)

An [ActionResult](#) indicating the result of the creation.

## Delete(int)

Deletes a poll by its ID.

```
[HttpDelete("{id}")]  
public ActionResult Delete(int id)
```

## Parameters

**id** [int](#)

The poll ID.

## Returns

[ActionResult](#)

An [ActionResult](#) indicating the result of the deletion.

## GetAll()

Gets all polls.

```
[HttpGet]  
public ActionResult GetAll()
```

Returns

[ActionResult](#)

An [ActionResult](#) containing the list of polls.

## GetById(int)

Gets a poll by its ID.

```
[HttpGet("{id}")]  
public ActionResult GetById(int id)
```

Parameters

**id** [int](#)

The poll ID.

Returns

[ActionResult](#)

An [ActionResult](#) containing the poll.

## Update(int, PollDto)

Updates an existing poll.

```
[HttpPut("{id}")]  
public ActionResult Update(int id, PollDto pollDto)
```

Parameters

**id** [int](#)

The poll ID.

**pollDto** [PollDto](#)

The poll data transfer object containing updated poll details.

Returns

[ActionResult](#)

An [ActionResult](#) indicating the result of the update.

# Class QuestionRouter

Namespace: [Oscars.Backend.Router](#)

Assembly: Oscars.dll

Router for handling question-related requests.

```
[ApiController]
[Route("api/question")]
public class QuestionRouter : ControllerBase
```

## Inheritance

[object](#) ← [ControllerBase](#) ← QuestionRouter

## Inherited Members

[ControllerBase.StatusCode\(int\)](#) , [ControllerBase.StatusCode\(int, object\)](#) ,  
[ControllerBase.Content\(string\)](#) , [ControllerBase.Content\(string, string\)](#) ,  
[ControllerBase.Content\(string, string, Encoding\)](#) ,  
[ControllerBase.Content\(string, MediaTypeHeaderValue\)](#) , [ControllerBase.NoContent\(\)](#) ,  
[ControllerBase.Ok\(\)](#) , [ControllerBase.Ok\(object\)](#) , [ControllerBase.Redirect\(string\)](#) ,  
[ControllerBase.RedirectPermanent\(string\)](#) , [ControllerBase.RedirectPreserveMethod\(string\)](#) ,  
[ControllerBase.RedirectPermanentPreserveMethod\(string\)](#) , [ControllerBase.LocalRedirect\(string\)](#) ,  
[ControllerBase.LocalRedirectPermanent\(string\)](#) , [ControllerBase.LocalRedirectPreserveMethod\(string\)](#) ,  
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[ControllerBase.RedirectToAction\(string, string, object\)](#) ,  
[ControllerBase.RedirectToAction\(string, string, string\)](#) ,  
[ControllerBase.RedirectToAction\(string, string, object, string\)](#) ,  
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[ControllerBase.RedirectToActionPermanent\(string, object\)](#) ,  
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[ControllerBase.RedirectToActionPermanent\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToActionPermanentPreserveMethod\(string, string, object, string\)](#) ,  
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[ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
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 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
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 [ControllerBase.UnprocessableEntity\(ModelStateDictionary\)](#) ,  [ControllerBase.Conflict\(\)](#) ,  
 [ControllerBase.Conflict\(object\)](#) ,  [ControllerBase.Conflict\(ModelStateDictionary\)](#) ,  
 [ControllerBase.Problem\(string, string, int?, string, string\)](#) ,  
 [ControllerBase.ValidationProblem\(ValidationProblemDetails\)](#) ,  
 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#) ,  [ControllerBase.ValidationProblem\(\)](#) ,  
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\)](#) ,  
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 [ControllerBase.Created\(Uri, object\)](#) ,  [ControllerBase.CreatedAtAction\(string, object\)](#) ,  
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 [ControllerBase.AcceptedAtAction\(string, object, object\)](#) ,  
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 [ControllerBase.Challenge\(params string\[\]\)](#) ,  [ControllerBase.Challenge\(AuthenticationProperties\)](#) ,  
 [ControllerBase.Challenge\(AuthenticationProperties, params string\[\]\)](#) ,  [ControllerBase.Forbid\(\)](#) ,  
 [ControllerBase.Forbid\(params string\[\]\)](#) ,  [ControllerBase.Forbid\(AuthenticationProperties\)](#) ,  
 [ControllerBase.Forbid\(AuthenticationProperties, params string\[\]\)](#) ,  
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 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties\)](#) ,  
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties, string\)](#) ,  [ControllerBase.SignOut\(\)](#) ,  
 [ControllerBase.SignOut\(AuthenticationProperties\)](#) ,  [ControllerBase.SignOut\(params string\[\]\)](#) ,  
 [ControllerBase.SignOut\(AuthenticationProperties, params string\[\]\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel\)](#) ,

[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params Expression<Func<TModel, object>>\[\]\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata, bool>\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, params Expression<Func<TModel, object>>\[\]\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,  
 [ControllerBase.TryUpdateModelAsync\(object, Type, string\)](#) ,  
 [ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,  
 [ControllerBase.TryValidateModel\(object\)](#) ,  [ControllerBase.TryValidateModel\(object, string\)](#) ,  
 [ControllerBase.HttpContext](#) ,  [ControllerBase.Request](#) ,  [ControllerBase.Response](#) ,  
 [ControllerBase.RouteData](#) ,  [ControllerBase.ModelState](#) ,  [ControllerBase.ControllerContext](#) ,  
 [ControllerBase.MetadataProvider](#) ,  [ControllerBase.ModelBinderFactory](#) ,  [ControllerBase.Url](#) ,  
 [ControllerBase.ObjectValidator](#) ,  [ControllerBase.ProblemDetailsFactory](#) ,  [ControllerBase.User](#) ,  
 [ControllerBase.Empty](#) ,  [object.Equals\(object\)](#) ,  [object.Equals\(object, object\)](#) ,  
 [object.GetHashCode\(\)](#) ,  [object.GetType\(\)](#) ,  [object.MemberwiseClone\(\)](#) ,  
 [object.ReferenceEquals\(object, object\)](#) ,  [object.ToString\(\)](#)

## Constructors

### QuestionRouter(QuestionService)

Router for handling question-related requests.

```
public QuestionRouter(QuestionService questionService)
```

## Parameters

questionService  [QuestionService](#)

## Methods

### Create(QuestionDto)

Creates a new question.

```
[HttpPost]  
public ActionResult Create(QuestionDto questionDto)
```

## Parameters

**questionDto** [QuestionDto](#)

The question data transfer object containing question details.

## Returns

[ActionResult](#)

An [ActionResult](#) indicating the result of the creation.

## DeleteCategory(int)

Deletes a question by its ID.

```
[HttpDelete("{id}")]  
public ActionResult DeleteCategory(int id)
```

## Parameters

**id** [int](#)

The question ID.

## Returns

[ActionResult](#)

An [ActionResult](#) indicating the result of the deletion.

## GetAll()

Gets all questions.

```
[HttpGet]  
public ActionResult GetAll()
```

Returns

[ActionResult](#)

An [ActionResult](#) containing the list of questions.

## GetById(int)

Gets a question by its ID.

```
[HttpGet("{id}")]  
public ActionResult GetById(int id)
```

Parameters

**id** [int](#)

The question ID.

Returns

[ActionResult](#)

An [ActionResult](#) containing the question.

## GetByPollId(int)

Gets questions by poll ID.

```
[HttpGet("poll/{pollId}")]  
public ActionResult GetByPollId(int pollId)
```

Parameters

**pollId** [int](#)

The poll ID.

Returns

[ActionResult](#)

An [ActionResult](#) containing the questions.

## Update(int, QuestionDto)

Updates an existing question.

```
[HttpPut("{id}")]
public ActionResult Update(int id, QuestionDto questionDto)
```

Parameters

**id** [int](#)

The question ID.

**questionDto** [QuestionDto](#)

The question data transfer object containing updated question details.

Returns

[ActionResult](#)

An [ActionResult](#) indicating the result of the update.

# Class UserRouter

Namespace: [Oscars.Backend.Router](#)

Assembly: Oscars.dll

Router for handling user-related requests.

```
[ApiController]
[Route("api/users")]
public class UserRouter : ControllerBase
```

## Inheritance

[object](#) ← [ControllerBase](#) ← UserRouter

## Inherited Members

[ControllerBase.StatusCode\(int\)](#) , [ControllerBase.StatusCode\(int, object\)](#) ,  
[ControllerBase.Content\(string\)](#) , [ControllerBase.Content\(string, string\)](#) ,  
[ControllerBase.Content\(string, string, Encoding\)](#) ,  
[ControllerBase.Content\(string, MediaTypeHeaderValue\)](#) , [ControllerBase.NoContent\(\)](#) ,  
[ControllerBase.Ok\(\)](#) , [ControllerBase.Ok\(object\)](#) , [ControllerBase.Redirect\(string\)](#) ,  
[ControllerBase.RedirectPermanent\(string\)](#) , [ControllerBase.RedirectPreserveMethod\(string\)](#) ,  
[ControllerBase.RedirectPermanentPreserveMethod\(string\)](#) , [ControllerBase.LocalRedirect\(string\)](#) ,  
[ControllerBase.LocalRedirectPermanent\(string\)](#) , [ControllerBase.LocalRedirectPreserveMethod\(string\)](#) ,  
[ControllerBase.LocalRedirectPermanentPreserveMethod\(string\)](#) , [ControllerBase.RedirectToAction\(\)](#) ,  
[ControllerBase.RedirectToAction\(string\)](#) , [ControllerBase.RedirectToAction\(string, object\)](#) ,  
[ControllerBase.RedirectToAction\(string, string\)](#) ,  
[ControllerBase.RedirectToAction\(string, string, object\)](#) ,  
[ControllerBase.RedirectToAction\(string, string, string\)](#) ,  
[ControllerBase.RedirectToAction\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToActionPreserveMethod\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, object\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string, string\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string, object\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToActionPermanentPreserveMethod\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToRoute\(string\)](#) , [ControllerBase.RedirectToRoute\(object\)](#) ,  
[ControllerBase.RedirectToRoute\(string, object\)](#) , [ControllerBase.RedirectToRoute\(string, string\)](#) ,

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 [ControllerBase.RedirectToRoutePreserveMethod\(string, object, string\)](#)  ,  
 [ControllerBase.RedirectToRoutePermanent\(string\)](#)  ,  
 [ControllerBase.RedirectToRoutePermanent\(object\)](#)  ,  
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 [ControllerBase.RedirectToRoutePermanent\(string, string\)](#)  ,  
 [ControllerBase.RedirectToRoutePermanent\(string, object, string\)](#)  ,  
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 [ControllerBase.RedirectToPagePermanentPreserveMethod\(string, string, object, string\)](#)  ,  
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 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#)  ,  
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 [ControllerBase.NotFound\(object\)](#) ,  [ControllerBase.BadRequest\(\)](#) ,  
 [ControllerBase.BadRequest\(object\)](#) ,  [ControllerBase.BadRequest\(ModelStateDictionary\)](#) ,  
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 [ControllerBase.UnprocessableEntity\(ModelStateDictionary\)](#) ,  [ControllerBase.Conflict\(\)](#) ,  
 [ControllerBase.Conflict\(object\)](#) ,  [ControllerBase.Conflict\(ModelStateDictionary\)](#) ,  
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 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties\)](#) ,  
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties, string\)](#) ,  [ControllerBase.SignOut\(\)](#) ,  
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[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string\)](#) ,  
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 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params Expression<Func<TModel, object>>\[\]\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata, bool>\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, params Expression<Func<TModel, object>>\[\]\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,  
 [ControllerBase.TryUpdateModelAsync\(object, Type, string\)](#) ,  
 [ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,  
 [ControllerBase.TryValidateModel\(object\)](#) ,  [ControllerBase.TryValidateModel\(object, string\)](#) ,  
 [ControllerBase.HttpContext](#) ,  [ControllerBase.Request](#) ,  [ControllerBase.Response](#) ,  
 [ControllerBase.RouteData](#) ,  [ControllerBase.ModelState](#) ,  [ControllerBase.ControllerContext](#) ,  
 [ControllerBase.MetadataProvider](#) ,  [ControllerBase.ModelBinderFactory](#) ,  [ControllerBase.Url](#) ,  
 [ControllerBase.ObjectValidator](#) ,  [ControllerBase.ProblemDetailsFactory](#) ,  [ControllerBase.User](#) ,  
 [ControllerBase.Empty](#) ,  [object.Equals\(object\)](#) ,  [object.Equals\(object, object\)](#) ,  
 [object.GetHashCode\(\)](#) ,  [object.GetType\(\)](#) ,  [object.MemberwiseClone\(\)](#) ,  
 [object.ReferenceEquals\(object, object\)](#) ,  [object.ToString\(\)](#)

## Constructors

### UserRouter(IUserService)

Router for handling user-related requests.

```
public UserRouter(IUserService userService)
```

## Parameters

userService  [IUserService](#)

## Methods

### CreateUser(UserDto)

Creates a new user.

```
[HttpPost]  
public IActionResult CreateUser(UserDto userDto)
```

## Parameters

**userDto** [UserDto](#)

The user data transfer object containing user details.

## Returns

[IActionResult](#)

An [IActionResult](#) indicating the result of the creation.

## DeleteUser(int)

Deletes a user by their ID.

```
[HttpDelete("{id}")]  
public IActionResult DeleteUser(int id)
```

## Parameters

**id** [int](#)

The user ID.

## Returns

[IActionResult](#)

An [IActionResult](#) indicating the result of the deletion.

## GetAllUsers()

Gets all users.

```
[HttpGet]  
public IActionResult GetAllUsers()
```

Returns

[IActionResult](#)

An [IActionResult](#) containing the list of users.

## GetUserById(int)

Gets a user by their ID.

```
[HttpGet("{id}")]  
public IActionResult GetUserById(int id)
```

Parameters

**id** [int](#)

The user ID.

Returns

[IActionResult](#)

An [IActionResult](#) containing the user.

## UpdateUser(int, UserDto)

Updates an existing user.

```
[HttpPut("{id}")]  
public IActionResult UpdateUser(int id, UserDto userDto)
```

Parameters

**id** [int](#)

The user ID.

**userDto** [UserDto](#)

The user data transfer object containing updated user details.

Returns

[IActionResult](#)

An [IActionResult](#) indicating the result of the update.

# Class VoteRouter

Namespace: [Oscars.Backend.Router](#)

Assembly: Oscars.dll

Router for handling vote-related requests.

```
[ApiController]
[Route("api/vote")]
public class VoteRouter : ControllerBase
```

## Inheritance

[object](#) ← [ControllerBase](#) ← VoteRouter

## Inherited Members

[ControllerBase.StatusCode\(int\)](#) , [ControllerBase.StatusCode\(int, object\)](#) ,  
[ControllerBase.Content\(string\)](#) , [ControllerBase.Content\(string, string\)](#) ,  
[ControllerBase.Content\(string, string, Encoding\)](#) ,  
[ControllerBase.Content\(string, MediaTypeHeaderValue\)](#) , [ControllerBase.NoContent\(\)](#) ,  
[ControllerBase.Ok\(\)](#) , [ControllerBase.Ok\(object\)](#) , [ControllerBase.Redirect\(string\)](#) ,  
[ControllerBase.RedirectPermanent\(string\)](#) , [ControllerBase.RedirectPreserveMethod\(string\)](#) ,  
[ControllerBase.RedirectPermanentPreserveMethod\(string\)](#) , [ControllerBase.LocalRedirect\(string\)](#) ,  
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 [ControllerBase.ValidationProblem\(ValidationProblemDetails\)](#) ,  
 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#) ,  [ControllerBase.ValidationProblem\(\)](#) ,  
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 [ControllerBase.Challenge\(AuthenticationProperties, params string\[\]\)](#) ,  [ControllerBase.Forbid\(\)](#) ,  
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 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties\)](#) ,  
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties, string\)](#) ,  [ControllerBase.SignOut\(\)](#) ,  
 [ControllerBase.SignOut\(AuthenticationProperties\)](#) ,  [ControllerBase.SignOut\(params string\[\]\)](#) ,  
 [ControllerBase.SignOut\(AuthenticationProperties, params string\[\]\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel\)](#) ,

[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params Expression<Func<TModel, object>>\[\]\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata, bool>\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, params Expression<Func<TModel, object>>\[\]\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,  
 [ControllerBase.TryUpdateModelAsync\(object, Type, string\)](#) ,  
 [ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,  
 [ControllerBase.TryValidateModel\(object\)](#) ,  [ControllerBase.TryValidateModel\(object, string\)](#) ,  
 [ControllerBase.HttpContext](#) ,  [ControllerBase.Request](#) ,  [ControllerBase.Response](#) ,  
 [ControllerBase.RouteData](#) ,  [ControllerBase.ModelState](#) ,  [ControllerBase.ControllerContext](#) ,  
 [ControllerBase.MetadataProvider](#) ,  [ControllerBase.ModelBinderFactory](#) ,  [ControllerBase.Url](#) ,  
 [ControllerBase.ObjectValidator](#) ,  [ControllerBase.ProblemDetailsFactory](#) ,  [ControllerBase.User](#) ,  
 [ControllerBase.Empty](#) ,  [object.Equals\(object\)](#) ,  [object.Equals\(object, object\)](#) ,  
 [object.GetHashCode\(\)](#) ,  [object.GetType\(\)](#) ,  [object.MemberwiseClone\(\)](#) ,  
 [object.ReferenceEquals\(object, object\)](#) ,  [object.ToString\(\)](#)

## Constructors

### VoteRouter(VoteService)

Router for handling vote-related requests.

```
public VoteRouter(VoteService voteService)
```

## Parameters

voteService [VoteService](#)

## Methods

### GetResults(int)

Gets the results of a vote by question ID.

```
[HttpGet("{questionId}")]
public Task<IActionResult> GetResults(int questionId)
```

## Parameters

**questionId** [int](#)

The question ID.

## Returns

[Task](#)<[IActionResult](#)>

An [IActionResult](#) containing the vote results.

## Insert(VoteRequestDto)

Inserts a new vote or updates an existing vote.

```
[HttpPost]
public Task<IActionResult> Insert(VoteRequestDto voteRequestDto)
```

## Parameters

**voteRequestDto** [VoteRequestDto](#)

The vote request data transfer object containing vote details.

## Returns

[Task](#)<[IActionResult](#)>

An [IActionResult](#) indicating the result of the vote insertion or update.

# Class VoterRouter

Namespace: [Oscars.Backend.Router](#)

Assembly: Oscars.dll

Router for handling voter-related requests.

```
[ApiController]
[Route("api/voters")]
public class VoterRouter : ControllerBase
```

## Inheritance

[object](#) ← [ControllerBase](#) ← VoterRouter

## Inherited Members

[ControllerBase.StatusCode\(int\)](#) , [ControllerBase.StatusCode\(int, object\)](#) ,  
[ControllerBase.Content\(string\)](#) , [ControllerBase.Content\(string, string\)](#) ,  
[ControllerBase.Content\(string, string, Encoding\)](#) ,  
[ControllerBase.Content\(string, MediaTypeHeaderValue\)](#) , [ControllerBase.NoContent\(\)](#) ,  
[ControllerBase.Ok\(\)](#) , [ControllerBase.Ok\(object\)](#) , [ControllerBase.Redirect\(string\)](#) ,  
[ControllerBase.RedirectPermanent\(string\)](#) , [ControllerBase.RedirectPreserveMethod\(string\)](#) ,  
[ControllerBase.RedirectPermanentPreserveMethod\(string\)](#) , [ControllerBase.LocalRedirect\(string\)](#) ,  
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[ControllerBase.RedirectToAction\(string, string, object, string\)](#) ,  
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[ControllerBase.RedirectToActionPermanent\(string, string, object\)](#) ,  
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 [ControllerBase.RedirectToRoutePermanent\(string, string\)](#)  ,  
 [ControllerBase.RedirectToRoutePermanent\(string, object, string\)](#)  ,  
 [ControllerBase.RedirectToRoutePermanentPreserveMethod\(string, object, string\)](#)  ,  
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 [ControllerBase.Empty](#) ,  [object.Equals\(object\)](#) ,  [object.Equals\(object, object\)](#) ,  
 [object.GetHashCode\(\)](#) ,  [object.GetType\(\)](#) ,  [object.MemberwiseClone\(\)](#) ,  
 [object.ReferenceEquals\(object, object\)](#) ,  [object.ToString\(\)](#)

## Constructors

### VoterRouter(VoterService)

Router for handling voter-related requests.

```
public VoterRouter(VoterService voterService)
```

## Parameters

voterService [VoterService](#)

## Methods

### Create(VoterDto)

Creates a new voter.

```
[HttpPost]  
public ActionResult Create(VoterDto voterDto)
```

## Parameters

### voterDto [VoterDto](#)

The voter data transfer object containing voter details.

## Returns

### [ActionResult](#)

An [ActionResult](#) indicating the result of the creation.

## Delete(int)

Deletes a voter by their ID.

```
[HttpDelete("{id}")]  
public ActionResult Delete(int id)
```

## Parameters

### id [int](#)

The voter ID.

## Returns

### [ActionResult](#)

An [ActionResult](#) indicating the result of the deletion.

## GetAll()

Gets all voters.

```
[HttpGet]  
public ActionResult GetAll()
```

Returns

[ActionResult](#)

An [ActionResult](#) containing the list of voters.

## GetByCode(string)

Gets a voter by their code.

```
[HttpGet("voter/{code}")]  
public ActionResult<VoterWithCodeDto> GetByCode(string code)
```

Parameters

`code` [string](#)

The voter code.

Returns

[ActionResult](#) <[VoterWithCodeDto](#)>

An [ActionResult](#) containing the voter.

## GetById(int)

Gets a voter by their ID.

```
[HttpGet("{id}")]  
public ActionResult GetById(int id)
```

Parameters

`id` [int](#)

The voter ID.

Returns

[ActionResult](#)

An [ActionResult](#) containing the voter.

## GetByPoll(int)

Gets voters by poll ID.

```
[HttpGet("poll/{pollId}")]
public ActionResult GetByPoll(int pollId)
```

Parameters

**pollId** [int](#)

The poll ID.

Returns

[ActionResult](#)

An [ActionResult](#) containing the voters.

## Update(int, VoterDto)

Updates an existing voter.

```
[HttpPut("{id}")]
public ActionResult Update(int id, VoterDto voterDto)
```

Parameters

**id** [int](#)

The voter ID.

## voterDto [VoterDto](#)

The voter data transfer object containing updated voter details.

Returns

## [ActionResult](#) ↗

An [ActionResult](#) indicating the result of the update.

## UpdateCodeStatus(VoterWithCodeDto)

Updates the status of a voter by their code.

```
[HttpGet("code/{code}")]
public ActionResult UpdateCodeStatus(VoterWithCodeDto voterWithCodeDto)
```

Parameters

## voterWithCodeDto [VoterWithCodeDto](#)

The voter data transfer object containing voter details and code.

Returns

## [ActionResult](#) ↗

An [ActionResult](#) indicating the result of the update.

# Namespace Oscars.Backend.Service

## Classes

### [AnswerService](#)

Service for handling answer-related operations.

### [AuthService](#)

Service for handling authentication-related operations.

### [AuthService.AuthResult](#)

Represents the result of an authentication operation.

### [PollService](#)

Service for handling poll-related operations.

### [QuestionService](#)

Service for handling question-related operations.

### [UserService](#)

Service for handling user-related operations.

### [VoteService](#)

Service for handling vote-related operations.

### [VoterService](#)

Service for handling voter-related operations.

## Interfaces

### [IAuthService](#)

Interface for authentication service.

### [IUserService](#)

Interface for user service.

# Class AnswerService

Namespace: [Oscars.Backend.Service](#)

Assembly: Oscars.dll

Service for handling answer-related operations.

```
public class AnswerService
```

## Inheritance

[object](#) ← AnswerService

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

# Constructors

## AnswerService(string)

Service for handling answer-related operations.

```
public AnswerService(string connectionString)
```

## Parameters

connectionString [string](#)

# Methods

## Create(AnswerDto)

Creates a new answer.

```
public Answer Create(AnswerDto answersDto)
```

Parameters

`answersDto` [AnswerDto](#)

The answer data transfer object containing answer details.

Returns

[Answer](#)

The created [Answer](#).

## Delete(int)

Deletes an answer by its ID.

```
public void Delete(int id)
```

Parameters

`id` [int](#)

The answer ID.

## GetAll()

Gets all answers.

```
public List<AnswerDto> GetAll()
```

Returns

[List](#) <[AnswerDto](#)>

A list of [AnswerDto](#).

## GetById(int)

Gets an answer by its ID.

```
public AnswerDto? GetById(int answerId)
```

Parameters

answerId [int](#)

The answer ID.

Returns

[AnswerDto](#)

An [AnswerDto](#) if found; otherwise, null.

## GetByQuestionId(int)

Gets answers by question ID.

```
public List<AnswerDto> GetByQuestionId(int questionId)
```

Parameters

questionId [int](#)

The question ID.

Returns

[List](#) <[AnswerDto](#)>

A list of [AnswerDto](#).

## Update(AnswerDto)

Updates an existing answer.

```
public Answer Update(AnswerDto answerDto)
```

## Parameters

answerDto [AnswerDto](#)

The answer data transfer object containing updated answer details.

## Returns

[Answer](#)

The updated [Answer](#).

# Class AuthService

Namespace: [Oscars.Backend.Service](#)

Assembly: Oscars.dll

Service for handling authentication-related operations.

```
public class AuthService : IAuthService
```

Inheritance

[object](#) ← AuthService

Implements

[IAuthService](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

### AuthService(string, IOptions<JwtSettings>)

Service for handling authentication-related operations.

```
public AuthService(string connectionString, IOptions<JwtSettings> jwtSettings)
```

Parameters

connectionString [string](#)

jwtSettings [IOptions](#)<JwtSettings>

## Methods

### LoginAsync(LoginDto)

Logs in a user.

```
public Task<AuthService.AuthResult> LoginAsync(LoginDto loginDto)
```

Parameters

`loginDto` [LoginDto](#)

The login data transfer object containing login details.

Returns

[Task](#) <[AuthService.AuthResult](#)>

An [AuthService.AuthResult](#) indicating the result of the login attempt.

## RegisterAsync(UserDto)

Registers a new user.

```
public Task<AuthService.AuthResult> RegisterAsync(UserDto userDto)
```

Parameters

`userDto` [UserDto](#)

The user data transfer object containing registration details.

Returns

[Task](#) <[AuthService.AuthResult](#)>

An [AuthService.AuthResult](#) indicating the result of the registration.

# Class AuthService.AuthResult

Namespace: [Oscars.Backend.Service](#)

Assembly: Oscars.dll

Represents the result of an authentication operation.

```
public class AuthService.AuthResult
```

## Inheritance

[object](#) ← AuthService.AuthResult

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Properties

### Message

```
public string? Message { get; set; }
```

Property Value

[string](#)

### Success

```
public bool Success { get; set; }
```

Property Value

[bool](#)

## Token

```
public string? Token { get; set; }
```

Property Value

[string](#) ↗

# Interface IAuthService

Namespace: [Oscars.Backend.Service](#)

Assembly: Oscars.dll

Interface for authentication service.

```
public interface IAuthService
```

## Methods

### LoginAsync(LoginDto)

Logs in a user.

```
Task<AuthService.AuthResult> LoginAsync(LoginDto loginDto)
```

Parameters

`loginDto` [LoginDto](#)

The login data transfer object containing login details.

Returns

[Task](#) <[AuthService](#).[AuthResult](#)>

An [AuthService](#).[AuthResult](#) indicating the result of the login attempt.

### RegisterAsync(UserDto)

Registers a new user.

```
Task<AuthService.AuthResult> RegisterAsync(UserDto userDto)
```

Parameters

## `userDto` [UserDto](#)

The user data transfer object containing registration details.

Returns

[Task](#) <[AuthService.AuthResult](#)>

An [AuthService.AuthResult](#) indicating the result of the registration.

# Interface IUserService

Namespace: [Oscars.Backend.Service](#)

Assembly: Oscars.dll

Interface for user service.

```
public interface IUserService
```

## Methods

### CreateUser(UserDto)

```
void CreateUser(UserDto userDto)
```

Parameters

`userDto` [UserDto](#)

### DeleteUser(int)

```
void DeleteUser(int id)
```

Parameters

`id` [int](#)

### GetAllUsers()

```
IEnumerable<User> GetAllUsers()
```

Returns

[IEnumerable](#) <[User](#)>

## GetUserById(int)

User [GetUserById](#)(int id)

Parameters

[id](#) [int](#)

Returns

[User](#)

## UpdateUser(int, UserDto)

void [UpdateUser](#)(int id, UserDto userDto)

Parameters

[id](#) [int](#)

[userDto](#) [UserDto](#)

# Class PollService

Namespace: [Oscars.Backend.Service](#)

Assembly: Oscars.dll

Service for handling poll-related operations.

```
public class PollService
```

## Inheritance

[object](#) ← PollService

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

# Constructors

## PollService(string)

Service for handling poll-related operations.

```
public PollService(string connectionString)
```

## Parameters

connectionString [string](#)

# Methods

## Create(PollDto)

Creates a new poll.

```
public Poll Create(PollDto pollDto)
```

Parameters

**pollDto** [PollDto](#)

The poll data transfer object containing poll details.

Returns

[Poll](#)

The created [Poll](#).

## Delete(int)

Deletes a poll by its ID.

```
public void Delete(int id)
```

Parameters

**id** [int](#)

The poll ID.

## GetAll()

Gets all polls.

```
public List<PollDto> GetAll()
```

Returns

[List](#) <[PollDto](#)>

A list of [PollDto](#).

## GetById(int)

Gets a poll by its ID.

```
public PollDto? GetById(int pollId)
```

Parameters

**pollId** [int](#)

The poll ID.

Returns

[PollDto](#)

A [PollDto](#) if found; otherwise, null.

## Update(PollDto)

Updates an existing poll.

```
public Poll Update(PollDto pollDto)
```

Parameters

**pollDto** [PollDto](#)

The poll data transfer object containing updated poll details.

Returns

[Poll](#)

The updated [Poll](#).

# Class QuestionService

Namespace: [Oscars.Backend.Service](#)

Assembly: Oscars.dll

Service for handling question-related operations.

```
public class QuestionService
```

## Inheritance

[object](#) ← QuestionService

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

### QuestionService(string)

Service for handling question-related operations.

```
public QuestionService(string connectionString)
```

## Parameters

connectionString [string](#)

## Methods

### Create(QuestionDto)

Creates a new question.

```
public Question Create(QuestionDto questionDto)
```

Parameters

**questionDto** [QuestionDto](#)

The question data transfer object containing question details.

Returns

[Question](#)

The created [Question](#).

## Delete(int)

Deletes a question by its ID.

```
public void Delete(int id)
```

Parameters

**id** [int](#)

The question ID.

## GetAll()

Gets all questions.

```
public List<QuestionDto> GetAll()
```

Returns

[List](#) <[QuestionDto](#)>

A list of [QuestionDto](#).

## GetById(int)

Gets a question by its ID.

```
public QuestionDto? GetById(int questionId)
```

Parameters

`questionId int`

The question ID.

Returns

[QuestionDto](#)

A [QuestionDto](#) if found; otherwise, null.

## GetByPollId(int)

Gets questions by poll ID.

```
public List<QuestionDto> GetByPollId(int pollId)
```

Parameters

`pollId int`

The poll ID.

Returns

[List](#) <[QuestionDto](#)>

A list of [QuestionDto](#).

## Update(QuestionDto)

Updates an existing question.

```
public Question Update(QuestionDto questionDto)
```

## Parameters

**questionDto** [QuestionDto](#)

The question data transfer object containing updated question details.

## Returns

[Question](#)

The updated [Question](#).

# Class UserService

Namespace: [Oscars.Backend.Service](#)

Assembly: Oscars.dll

Service for handling user-related operations.

```
public class UserService : IUserService
```

Inheritance

[object](#) ← UserService

Implements

[IUserService](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

### UserService(string)

Service for handling user-related operations.

```
public UserService(string connectionString)
```

Parameters

connectionString [string](#)

## Methods

### CreateUser(UserDto)

Creates a new user.

```
public void CreateUser(UserDto userDto)
```

## Parameters

**userDto** [UserDto](#)

The user data transfer object containing user details.

## DeleteUser(int)

Deletes a user by their ID.

```
public void DeleteUser(int id)
```

## Parameters

**id** [int](#)

The user ID.

## GetAllUsers()

Gets all users.

```
public IEnumerable<User> GetAllUsers()
```

## Returns

[IEnumerable](#) <[User](#)>

An enumerable collection of [User](#).

## GetUserById(int)

Gets a user by their ID.

```
public User GetUserById(int id)
```

## Parameters

**id** [int](#)

The user ID.

## Returns

[User](#)

A [User](#) if found; otherwise, throws [KeyNotFoundException](#).

## UpdateUser(int, UserDto)

Updates an existing user.

```
public void UpdateUser(int id, UserDto userDto)
```

## Parameters

**id** [int](#)

The user ID.

**userDto** [UserDto](#)

The user data transfer object containing updated user details.

# Class VoteService

Namespace: [Oscars.Backend.Service](#)

Assembly: Oscars.dll

Service for handling vote-related operations.

```
public class VoteService
```

## Inheritance

[object](#) ← VoteService

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

### VoteService(string)

Service for handling vote-related operations.

```
public VoteService(string connectionString)
```

## Parameters

connectionString [string](#)

## Methods

### Create(VoteRequestDto)

Creates a new vote.

```
public Task<bool> Create(VoteRequestDto voteRequestDto)
```

## Parameters

`voteRequestDto` [VoteRequestDto](#)

The vote request data transfer object containing vote details.

## Returns

[Task](#)<[bool](#)>

A boolean indicating whether the vote was successfully created.

## GetResultsAsync(int)

Gets the results of a vote by question ID.

```
public Task<List<VoteResultDto>> GetResultsAsync(int questionId)
```

## Parameters

`questionId` [int](#)

The question ID.

## Returns

[Task](#)<[List](#)<[VoteResultDto](#)>>

A list of [VoteResultDto](#) containing the vote results.

## HasVotedAsync(VoteRequestDto)

Checks if a voter has already voted.

```
public Task<bool> HasVotedAsync(VoteRequestDto voteRequestDto)
```

## Parameters

`voteRequestDto` [VoteRequestDto](#)

The vote request data transfer object containing vote details.

Returns

[Task](#) <[bool](#)>

A boolean indicating whether the voter has already voted.

## Update(VoteRequestDto)

Updates an existing vote.

```
public Task<bool> Update(VoteRequestDto voteRequestDto)
```

Parameters

[voteRequestDto](#) [VoteRequestDto](#)

The vote request data transfer object containing updated vote details.

Returns

[Task](#) <[bool](#)>

A boolean indicating whether the vote was successfully updated.

# Class VoterService

Namespace: [Oscars.Backend.Service](#)

Assembly: Oscars.dll

Service for handling voter-related operations.

```
public class VoterService
```

## Inheritance

[object](#) ← VoterService

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

### VoterService(string)

Service for handling voter-related operations.

```
public VoterService(string connectionString)
```

## Parameters

connectionString [string](#)

## Methods

### Create(VoterDto)

Creates a new voter.

```
public Voter Create(VoterDto voterDto)
```

## Parameters

### voterDto [VoterDto](#)

The voter data transfer object containing voter details.

## Returns

### [Voter](#)

The created [Voter](#).

## Delete(int)

Deletes a voter by their ID.

```
public void Delete(int id)
```

## Parameters

### id [int](#)

The voter ID.

## GetAll()

Gets all voters.

```
public List<VoterWithCodeDto> GetAll()
```

## Returns

### [List](#) <[VoterWithCodeDto](#)>

A list of [VoterWithCodeDto](#).

## GetById(int)

Gets a voter by their ID.

```
public VoterWithCodeDto? GetById(int voterId)
```

Parameters

voterId [int](#)

The voter ID.

Returns

[VoterWithCodeDto](#)

A [VoterWithCodeDto](#) if found; otherwise, null.

## GetByPoll(int)

Gets voters by poll ID.

```
public List<VoterWithCodeDto> GetByPoll(int pollId)
```

Parameters

pollId [int](#)

The poll ID.

Returns

[List](#) <[VoterWithCodeDto](#)>

A list of [VoterWithCodeDto](#).

## GetVoterByCode(string)

Gets a voter by their code.

```
public VoterWithCodeDto? GetVoterByCode(string code)
```

## Parameters

code [string](#)

The voter code.

## Returns

[VoterWithCodeDto](#)

A [VoterWithCodeDto](#) if found; otherwise, null.

## Update(VoterDto)

Updates an existing voter.

```
public Voter Update(VoterDto voterDto)
```

## Parameters

voterDto [VoterDto](#)

The voter data transfer object containing updated voter details.

## Returns

[Voter](#)

The updated [Voter](#).

## UpdateCodeStatus(VoterWithCodeDto)

Updates the status of a voter's code.

```
public void UpdateCodeStatus(VoterWithCodeDto voterWithCodeDto)
```

## Parameters

voterWithCodeDto [VoterWithCodeDto](#)

The voter data transfer object containing voter details and code.

# Namespace Oscars.Backend.Utils

## Classes

### [JwtSettings](#)

Configuration settings for JWT (JSON Web Token).

### [Parser](#)

Configuration settings for JWT (JSON Web Token).

# Class JwtSettings

Namespace: [Oscars.Backend.Utils](#)

Assembly: Oscars.dll

Configuration settings for JWT (JSON Web Token).

```
public class JwtSettings
```

## Inheritance

[object](#) ← JwtSettings

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Properties

### Audience

```
public string Audience { get; set; }
```

#### Property Value

[string](#)

### ExpiryMinutes

```
public int ExpiryMinutes { get; set; }
```

#### Property Value

[int](#)

## Issuer

```
public string Issuer { get; set; }
```

### Property Value

[string](#) ↗

## SecretKey

```
public string SecretKey { get; set; }
```

### Property Value

[string](#) ↗

# Class Parser

Namespace: [Oscars.Backend.Utils](#)

Assembly: Oscars.dll

Configuration settings for JWT (JSON Web Token).

```
public class Parser
```

## Inheritance

[object](#) ← Parser

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Methods

### ParseDateTime(string)

Parses a string to a DateTime.

```
public DateTime? ParseDateTime(string dateTimeString)
```

#### Parameters

**dateTimeString** [string](#)

The string to parse.

#### Returns

[DateTime](#)?

The DateTime representation of the string, or null if the string cannot be parsed.

### ParseInt(object)

Parses an object to an integer.

```
public int? ParseInt(object value)
```

Parameters

**value** [object](#)

The object to parse.

Returns

[int](#)?

The integer representation of the object, or null if the object is null or cannot be parsed.

## ParseString(object)

Parses an object to a string.

```
public string? ParseString(object value)
```

Parameters

**value** [object](#)

The object to parse.

Returns

[string](#)

The string representation of the object, or null if the object is null.

# Namespace Oscars.Data

## Classes

### [DBConnection](#)

Class for managing database connections and running migrations.

# Class DBConnection

Namespace: [Oscars.Data](#)

Assembly: Oscars.dll

Class for managing database connections and running migrations.

```
public class DBConnection
```

## Inheritance

[object](#) ← DBConnection

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

### DBConnection(IConfiguration)

Class for managing database connections and running migrations.

```
public DBConnection(IConfiguration configuration)
```

## Parameters

configuration  [IConfiguration](#)

## Methods

### CreateConnection()

Creates a new database connection.

```
public IDbConnection CreateConnection()
```

Returns

[IDbConnection](#)

An [IDbConnection](#) object.

## RunMigrationsAsync(string, string)

Runs database migrations asynchronously.

```
public static Task RunMigrationsAsync(string connectionString, string scriptPath)
```

Parameters

**connectionString** [string](#)

The database connection string.

**scriptPath** [string](#)

The path to the SQL script file.

Returns

[Task](#)

# Namespace Oscars.Models

## Classes

### [User](#)

Represents a user in the system.

# Class User

Namespace: [Oscars.Models](#)

Assembly: Oscars.dll

Represents a user in the system.

```
public class User
```

Inheritance

[object](#) ← User

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Properties

Email

```
public required string Email { get; set; }
```

Property Value

[string](#)

Id

```
public int Id { get; set; }
```

Property Value

[int](#)

## Password

```
public string? Password { get; set; }
```

### Property Value

[string](#) ↗

## Role

```
public required string Role { get; set; }
```

### Property Value

[string](#) ↗

## Username

```
public required string Username { get; set; }
```

### Property Value

[string](#) ↗