

# Namespace DotNetOpenAPI.Controllers

## Classes

### [EmployeesController](#)

This controller is responsible for handling requests related to employees CRUD operations. Will provide the necessary http response codes and data. The controller will interact with the ICURDActions interface to get the data.

# Class EmployeesController

Namespace: [DotNetOpenAPI.Controllers](#)

Assembly: DotNetOpenAPI.dll

This controller is responsible for handling requests related to employees CRUD operations. Will provide the necessary http response codes and data. The controller will interact with the ICURDActions interface to get the data.

```
[Route("api/[controller]")]
[ApiController]
[EnableCors("AllowAll")]
public class EmployeesController : ControllerBase
```

## Inheritance

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

## 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\(Stream, string, DateTimeOffset?, EntityTagHeaderValue\).☐](#) ,  
[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\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\).☐](#) ,  
[ControllerBase.PhysicalFile\(string, string\).☐](#) , [ControllerBase.PhysicalFile\(string, string, bool\).☐](#) ,

[ControllerBase.PhysicalFile\(string, string, string\).☐](#) ,  
[ControllerBase.PhysicalFile\(string, string, string, bool\).☐](#) ,  
[ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue\).☐](#) ,  
[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\(Uri, object\).☐](#) ,  
[ControllerBase.AcceptedAtAction\(string\).☐](#) , [ControllerBase.AcceptedAtAction\(string, string\).☐](#) ,  
[ControllerBase.AcceptedAtAction\(string, object\).☐](#) ,  
[ControllerBase.AcceptedAtAction\(string, string, object\).☐](#) ,  
[ControllerBase.AcceptedAtAction\(string, object, object\).☐](#) ,  
[ControllerBase.AcceptedAtAction\(string, string, object, object\).☐](#) ,  
[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

### EmployeesController(ICRUDEActions)

This is the constructor of the EmployeesController class.

```
public EmployeesController(ICRUDEActions crudActions)
```

#### Parameters

**crudActions** [ICRUDEActions](#)

## Methods

# GetEmployee(int)

Get an employee by id

```
[HttpGet("{id}")]  
[ProducesResponseType(200)]  
[ProducesResponseType(404)]  
public IActionResult GetEmployee(int id)
```

## Parameters

**id** [int](#)

The id of the employee

## Returns

[IActionResult](#)

200 OK with the employee data

## Remarks

\*\* This method will return an employee if searched id is present under EmployeeList

Sample request:

Get: /api/Employees/1

Sample Input:

EmployeeDB List Info:

```
{ Id = 1, Name = "John", Department = "IT", Email = "john@hyland.com" },  
{ Id = 2, Name = "Jane", Department = "HR", Email = "jane@hyland.com" }
```

Sample Response (Output):

Response Code: 200

Response Body: { "id": 1, "name": "John", "department": "IT", "email": "john@hyland.com" }

---

\*\* If the searched id is not present under EmployeeList, it will return 404 Not Found.

Sample request:

Get: /api/Employees/123456

Sample Response (Output):

Status Code: 404

Response Body:

No Record Found For The Searched Id

## GetEmployees()

Get all employees

```
[HttpGet]  
[ProducesResponseType(200)]  
[ProducesResponseType(404)]  
public IActionResult GetEmployees()
```

Returns

[IActionResult](#)

200 OK with the employees records

Remarks

Sample request: Get: /api/Employees

\*\* This method will return all the employees present under EmployeeList if records exist under the list.

Sample Input:

EmployeeDB List Info:

```
{ Id = 1, Name = "John", Department = "IT", Email = "john@hyland.com" },  
{ Id = 2, Name = "Jane", Department = "HR", Email = "jane@hyland.com" }
```

Sample Response (Output):

Response Code: 200

Response Body:

```
[ { "id": 1, "name": "John", "department": "IT", "email": "john@hyland.com" }, { "id": 2, "name": "Jane",  
"department": "HR", "email": "jane@hyland.com" } ]
```

---

/// Sample request: Get: /api/Employees

\*\* If no records are present under EmployeeList, it will return 404 Not Found.

Sample Input:

EmployeeDb List Info: Null

Sample Response (Output):

Status Code: 404

Response Body:

No Record Found



# Namespace DotNetOpenAPI.Models

## Classes

[EmployeeDB](#)


# Class EmployeeDB

Namespace: [DotNetOpenAPI.Models](#)








Assembly: DotNetOpenAPI.dll

```
public class EmployeeDB
```

## Inheritance

[object](#)  ← EmployeeDB

## Inherited Members

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

## Properties

### Department

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

### Property Value

[string](#) 

### Email

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

### Property Value

[string](#) 

### Id

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

Property Value

[int](#)

## Name

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

Property Value

[string](#)

# Namespace DotNetOpenAPI.Repositories

## Classes

[CRUDActions](#)

## Interfaces

[ICRUDActions](#)

# Class CRUDActions

Namespace: [DotNetOpenAPI.Repositories](#)

Assembly: DotNetOpenAPI.dll

```
public class CRUDActions : ICRUDActions
```

## Inheritance

[object](#) ← CRUDActions

## Implements

[ICRUDActions](#)

## Inherited Members

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

## Fields

### employees

```
public static List<EmployeeDB> employees
```

## Field Value

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

## Methods

### GetEmployee(int)

```
public EmployeeDB? GetEmployee(int id)
```

## Parameters

id [int](#)

Returns

[EmployeeDB](#)

## GetEmployees()

```
public List<EmployeeDB> GetEmployees()
```

Returns

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

# Interface ICRUDActions

Namespace: [DotNetOpenAPI.Repositories](#)

Assembly: DotNetOpenAPI.dll

```
public interface ICRUDActions
```

## Methods

### GetEmployee(int)

```
EmployeeDB? GetEmployee(int id)
```

#### Parameters

**id** [int](#)

#### Returns

[EmployeeDB](#)

### GetEmployees()

```
List<EmployeeDB> GetEmployees()
```

#### Returns

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