

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](#)>