

Namespace WAMServer

Classes

[Startup](#)

The Startup class is the entry point of the application.

Class Startup

Namespace: [WAMServer](#)

Assembly: server.dll








The Startup class is the entry point of the application.

```
public class Startup
```

Inheritance

[object](#)  ← Startup

Inherited Members

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

Methods

Start()

Responsible for starting the application.

```
public void Start()
```

Namespace WAMServer.Controllers

Classes

[LoginController](#)

The login controller. Responsible for logging in the user.

[UsersController](#)

Class LoginController

Namespace: [WAMServer.Controllers](#)

Assembly: server.dll

The login controller. Responsible for logging in the user.

```
[Route("api/[controller]")]  
[ApiController]  
public class LoginController : ControllerBase
```

Inheritance

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

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\)](#) ,
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[ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
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[ControllerBase.File\(Stream, string\)](#) , [ControllerBase.File\(Stream, string, bool\)](#) ,
[ControllerBase.File\(Stream, string, string\)](#) ,
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[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

LoginController(IUserRepository, IConfiguration)

The constructor of the login controller.

```
public LoginController(IUserRepository userRepository, IConfiguration config)
```

Parameters

`userRepository` [IUserRepository](#)

The user repository.

`config` [IConfiguration](#)

The configuration of the application.

Methods

AuthenticateUserReturnNullIfUnable(string, string)

Authenticates the user. Returns null if unable to authenticate.

```
public User? AuthenticateUserReturnNullIfUnable(string email, string password)
```

Parameters

`email` [string](#)

The email of the user.

`password` [string](#)

The password of the user.

Returns

[User](#)

The user if authenticated, null otherwise.

GenerateJSONWebToken(User)

Generates a JSON web token.

```
public string GenerateJSONWebToken(User userInfo)
```

Parameters

`userInfo` [User](#)

The user information.

Returns

[string](#)

The JSON web token.

Login(LoginBody)

Logs in the user.

```
[AllowAnonymous]  
[HttpPost]  
public IActionResult Login(LoginBody body)
```

Parameters

`body` [LoginBody](#)

The login body. Requires email and password

Returns

[ActionResult](#)

The result of the login.

Class UsersController

Namespace: [WAMServer.Controllers](#)


Assembly: server.dll

```
[Authorize]
[ApiController]
[Route("/api/[controller]")]
public class UsersController : ControllerBase
```

Inheritance

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

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

UserController(IUserRepository, IRepository<Address>)

```
public UsersController(IUserRepository userRepository, IRepository<Address>  
addressRepo)
```

Parameters

userRepository [IUserRepository](#)

addressRepo [IRepository](#)<[Address](#)>

Methods

GetUser()

Did something, felt cute, might delete later

```
[HttpGet]  
public ActionResult<UserDTO> GetUser()
```

Returns

[ActionResult](#) [UserDTO](#)

Namespace WAMServer.DTO

Classes

[UserDTO](#)

Class UserDTO

Namespace: [WAMServer.DTO](#)

Assembly: server.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\(\)](#) 

Constructors

UserDTO(Guid, string, string, string, Address)

```
public UserDTO(Guid id, string firstName, string lastName, string email,  
Address address)
```

Parameters

id [Guid](#) 

firstName [string](#) 

lastName [string](#) 

email [string](#) 

address [Address](#)

UserDTO(User)

```
public UserDTO(User user)
```

Parameters

user [User](#)

Properties

Address

```
public Address Address { get; set; }
```

Property Value

[Address](#)

Email

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

Property Value

[string](#)

FirstName

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

Property Value

[string](#)

Id

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

Property Value

[Guid](#)

LastName

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

Property Value

[string](#)

Namespace WAMServer.Interfaces

Interfaces

[IRepository<T>](#)

[IUserRepository](#)

Interface IRepository<T>

Namespace: [WAMServer.Interfaces](#)

Assembly: server.dll

```
public interface IRepository<T>
```

Type Parameters

T

Methods

AddAsync(T)

```
Task<T> AddAsync(T entity)
```

Parameters

entity T

Returns

[Task](#)  <T>

DeleteAsync(Guid)

```
Task<T> DeleteAsync(Guid id)
```

Parameters

id [Guid](#) 

Returns

[Task](#) <T>

Get(Guid)

```
T? Get(Guid id)
```

Parameters

id [Guid](#)

Returns

T

GetAllAsync()

```
Task<IEnumerable<T>> GetAllAsync()
```

Returns

[Task](#) <[IEnumerable](#) <T>>

UpdateAsync(T)

```
Task<T> UpdateAsync(T entity)
```

Parameters

entity T

Returns

[Task](#) <T>

Interface IUserRepository

Namespace: [WAMServer.Interfaces](#)

Assembly: server.dll

```
public interface IUserRepository
```

Methods

AddUserAsync(User)

```
Task<User> AddUserAsync(User user)
```

Parameters

user [User](#)

Returns

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

DeleteUserAsync(int)

```
Task<User> DeleteUserAsync(int id)
```

Parameters

id [int](#)

Returns

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

GetUser(Guid)

```
User? GetUser(Guid id)
```

Parameters

id [Guid](#)

Returns

[User](#)

GetUser(string)

```
User? GetUser(string email)
```

Parameters

email [string](#)

Returns

[User](#)

GetUserIncludingAddress(User?)

```
User? GetUserIncludingAddress(User? user)
```

Parameters

user [User](#)

Returns

[User](#)

GetUsersAsync()

```
Task<IEnumerable<User>> GetUsersAsync()
```

Returns

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

UpdateUserAsync(User)

```
Task<User> UpdateUserAsync(User user)
```

Parameters

user [User](#)

Returns

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

Namespace WAMServer.Models

Classes

[Address](#)

Address model

[User](#)

The User class represents a user in the database.

[WamDBContext](#)

The WamDBContext class is responsible for connecting to the database.

Class Address

Namespace: [WAMServer.Models](#)

Assembly: server.dll








Address model

```
public class Address
```

Inheritance

[object](#)  ← Address

Inherited Members

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

Properties

City

The city of the address.

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

Property Value

[string](#) 

Id

The unique identifier of the address.

```
[Key]  
public Guid Id { get; set; }
```

Property Value

[Guid](#)

Street

The street of the address.

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

Property Value

[string](#)

User

The user of the address.

```
[ForeignKey("UserId")]  
public User? User { get; set; }
```

Property Value

[User](#)

UserId

The country of the address.

```
public Guid? UserId { get; set; }
```

Property Value

[Guid](#)?

Zip

The state of the address.

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

Property Value

[string](#)

Class User

Namespace: [WAMServer.Models](#)

Assembly: server.dll








The User class represents a user in the database.

```
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\(\)](#) 

Constructors

User(string, string, string, string)

The default constructor.

```
public User(string firstName, string lastName, string email, string password)
```

Parameters

firstName [string](#) 

The firstname of the user

lastName [string](#) 

The lastname of the user

email [string](#) 

The emailaddress of the user

password [string](#)

The password of the user

Properties

Address

```
[ForeignKey("AddressId")]  
public Address Address { get; set; }
```

Property Value

[Address](#)

AddressId

```
public Guid AddressId { get; set; }
```

Property Value

[Guid](#)

Email

```
[Required]  
[Column(TableName = "varchar(100)")]  
public string Email { get; set; }
```

Property Value

[string](#)

FirstName

```
[Required]
[Column(TypeName = "varchar(100)")]
public string FirstName { get; set; }
```

Property Value

[string](#)

Id

```
[Key]
public Guid Id { get; set; }
```

Property Value

[Guid](#)

LastName

```
[Required]
[Column(TypeName = "varchar(100)")]
public string LastName { get; set; }
```

Property Value

[string](#)

Password

```
[Required]
[Column(TypeName = "varchar(100)")]
public string Password { get; set; }
```

Property Value

Class WamDBContext

Namespace: [WAMServer.Models](#)

Assembly: server.dll

The WamDBContext class is responsible for connecting to the database.

```
public class WamDBContext : DbContext, IInfrastructure<IServiceProvider>,
    IDbContextDependencies, IDbSetCache, IDbContextPoolable, IResettableService,
    IDisposable, IAsyncDisposable
```

Inheritance

[object](#) ← [DbContext](#) ← WamDBContext

Implements

[IInfrastructure](#) <[IServiceProvider](#)>, [IDbContextDependencies](#), [IDbSetCache](#),
[IDbContextPoolable](#), [IResettableService](#), [IDisposable](#), [IAsyncDisposable](#)

Inherited Members

[DbContext.Set<TEntity>\(\)](#), [DbContext.Set<TEntity>\(string\)](#),
[DbContext.OnConfiguring\(DbContextOptionsBuilder\)](#),
[DbContext.ConfigureConventions\(ModelConfigurationBuilder\)](#),
[DbContext.OnModelCreating\(ModelBuilder\)](#), [DbContext.SaveChanges\(\)](#),
[DbContext.SaveChanges\(bool\)](#), [DbContext.SaveChangesAsync\(CancellationTokens\)](#),
[DbContext.SaveChangesAsync\(bool, CancellationTokens\)](#), [DbContext.Dispose\(\)](#),
[DbContext.DisposeAsync\(\)](#), [DbContext.Entry<TEntity>\(TEntity\)](#),
[DbContext.Entry\(object\)](#), [DbContext.Add<TEntity>\(TEntity\)](#),
[DbContext.AddAsync<TEntity>\(TEntity, CancellationTokens\)](#),
[DbContext.Attach<TEntity>\(TEntity\)](#), [DbContext.Update<TEntity>\(TEntity\)](#),
[DbContext.Remove<TEntity>\(TEntity\)](#), [DbContext.Add\(object\)](#),
[DbContext.AddAsync\(object, CancellationTokens\)](#), [DbContext.Attach\(object\)](#),
[DbContext.Update\(object\)](#), [DbContext.Remove\(object\)](#),
[DbContext.AddRange\(params object\[\]\)](#), [DbContext.AddRangeAsync\(params object\[\]\)](#),
[DbContext.AttachRange\(params object\[\]\)](#), [DbContext.UpdateRange\(params object\[\]\)](#),
[DbContext.RemoveRange\(params object\[\]\)](#),
[DbContext.AddRange\(IEnumerable<object>\)](#),
[DbContext.AddRangeAsync\(IEnumerable<object>, CancellationTokens\)](#),
[DbContext.AttachRange\(IEnumerable<object>\)](#),
[DbContext.UpdateRange\(IEnumerable<object>\)](#),
[DbContext.RemoveRange\(IEnumerable<object>\)](#),

[DbContext.Find\(Type, params object\[\]\)](#) , [DbContext.FindAsync\(Type, params object\[\]\)](#) ,
[DbContext.FindAsync\(Type, object\[\], CancellationToken\)](#) ,
[DbContext.Find<TEntity>\(params object\[\]\)](#) ,
[DbContext.FindAsync<TEntity>\(params object\[\]\)](#) ,
[DbContext.FindAsync<TEntity>\(object\[\], CancellationToken\)](#) ,
[DbContext.FromExpression<TResult>\(Expression<Func<IQueryable<TResult>>>\)](#) ,
[DbContext.Database](#) , [DbContext.ChangeTracker](#) , [DbContext.Model](#) ,
[DbContext.ContextId](#) , [DbContext.SavingChanges](#) , [DbContext.SavedChanges](#) ,
[DbContext.SaveChangesFailed](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) ,
[object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

WamDBContext(DbContextOptions<WamDBContext>)

```
public WamDBContext(DbContextOptions<WamDBContext> options)
```

Parameters

options [DbContextOptions](#) <[WamDBContext](#)>

Properties

Addresses

```
public DbSet<Address> Addresses { get; set; }
```

Property Value

[DbSet](#) <[Address](#)>

Users

```
public DbSet<User> Users { get; set; }
```

Property Value

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

Namespace WAMServer.Records

Classes

[LoginBody](#)

Class LoginBody

Namespace: [WAMServer.Records](#)

Assembly: server.dll

```
public record LoginBody : IEquatable<LoginBody>
```








Inheritance

[object](#)  ← LoginBody

Implements

[IEquatable](#)  <[LoginBody](#)>

Inherited Members

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

Constructors

LoginBody(string, string)

```
public LoginBody(string Email, string Password)
```

Parameters

Email [string](#) 

Password [string](#) 

Properties

Email

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

Property Value

[string](#)

Password

```
public string Password { get; init; }
```

Property Value

[string](#)

Namespace WAMServer.Repositories

Classes

[DbAddressRepository](#)

[DbUserRepository](#)

This class is responsible for handling the database operations for the User entity.


Class DbAddressRepository

Namespace: [WAMServer.Repositories](#)

Assembly: server.dll

```
public class DbAddressRepository : IRepository<Address>
```








Inheritance

[object](#)  ← DbAddressRepository

Implements

[IRepository](#) <[Address](#)>

Inherited Members

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

Constructors

DbAddressRepository(WamDBContext)

```
public DbAddressRepository(WamDBContext context)
```

Parameters

context [WamDBContext](#)

Methods

AddAsync(Address)

```
public Task<Address> AddAsync(Address entity)
```

Parameters

entity [Address](#)

Returns

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

DeleteAsync(Guid)

```
public Task<Address> DeleteAsync(Guid id)
```

Parameters

id [Guid](#) 

Returns

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

Get(Guid)

```
public Address? Get(Guid id)
```

Parameters

id [Guid](#) 

Returns

[Address](#)

GetAllAsync()

```
public Task<IEnumerable<Address>> GetAllAsync()
```

Returns

[Task](#) <[IEnumerable](#) <[Address](#)>>

UpdateAsync(Address)

```
public Task<Address> UpdateAsync(Address entity)
```

Parameters

entity [Address](#)

Returns

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

Class DbUserRepository


Namespace: [WAMServer.Repositories](#)

Assembly: server.dll

This class is responsible for handling the database operations for the User entity.

```
public class DbUserRepository : IRepository<User>
```








Inheritance

[object](#)  ← DbUserRepository

Implements

[IRepository](#).[<User>](#)

Inherited Members

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

Constructors

DbUserRepository(WamDBContext)

```
public DbUserRepository(WamDBContext context)
```

Parameters

context [WamDBContext](#)

Methods

AddAsync(User)

```
public Task<User> AddAsync(User entity)
```

Parameters

entity [User](#)

Returns

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

DeleteAsync(Guid)

```
public Task<User> DeleteAsync(Guid id)
```

Parameters

id [Guid](#)

Returns

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

Get(Guid)

```
public User? Get(Guid id)
```

Parameters

id [Guid](#)

Returns

[User](#)

GetAllAsync()

```
public Task<IEnumerable<User>> GetAllAsync()
```

Returns

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

UpdateAsync(User)

```
public Task<User> UpdateAsync(User entity)
```

Parameters

entity [User](#)

Returns

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

Namespace WAMServer.Tests.Controllers

Classes

[LoginControllerTests](#)


Class LoginControllerTests

Namespace: [WAMServer.Tests.Controllers](#)

Assembly: server.tests.dll

```
public class LoginControllerTests
```

Inheritance

[object](#)  ← LoginControllerTests

Inherited Members

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

Constructors

LoginControllerTests()

```
public LoginControllerTests()
```

Methods

AuthenticateUserReturnNullIfUnableReturnsDesiredUser() ()

```
[Fact]  
public void AuthenticateUserReturnNullIfUnableReturnsDesiredUser()
```


Namespace server.Migrations

Classes

[init](#)

A base class inherited by each EF Core migration.

Class init

Namespace: [server.Migrations](#)

Assembly: server.dll













A base class inherited by each EF Core migration.

```
[DbContext(typeof(WamDbContext))]  
[Migration("20240426093935_init")]  
public class init : Migration
```


Inheritance

[object](#)  ← [Migration](#)  ← init

Inherited Members

[Migration.InitialDatabase](#)  , [Migration.TargetModel](#)  , [Migration.UpOperations](#)  , [Migration.DownOperations](#)  , [Migration.ActiveProvider](#)  , [object.Equals\(object\)](#)  , [object.Equals\(object, object\)](#)  , [object.GetHashCode\(\)](#)  , [object.GetType\(\)](#)  , [object.MemberwiseClone\(\)](#)  , [object.ReferenceEquals\(object, object\)](#)  , [object.ToString\(\)](#) 

Remarks

See [Database migrations](#)  for more information and examples.

Methods

BuildTargetModel(ModelBuilder)

Implemented to build the [TargetModel](#) .

```
protected override void BuildTargetModel(ModelBuilder modelBuilder)
```

Parameters

modelBuilder [ModelBuilder](#) 

The [ModelBuilder](#)  to use to build the model.

Remarks

See [Database migrations](#) for more information and examples.

Down(MigrationBuilder)

Builds the operations that will migrate the database 'down'.

```
protected override void Down(MigrationBuilder migrationBuilder)
```

Parameters

migrationBuilder [MigrationBuilder](#)

The [MigrationBuilder](#) that will build the operations.

Remarks

That is, builds the operations that will take the database from the state left in by this migration so that it returns to the state that it was in before this migration was applied.

This method must be overridden in each class that inherits from [Migration](#) if both 'up' and 'down' migrations are to be supported. If it is not overridden, then calling it will throw and it will not be possible to migrate in the 'down' direction.

See [Database migrations](#) for more information and examples.

Up(MigrationBuilder)

Builds the operations that will migrate the database 'up'.

```
protected override void Up(MigrationBuilder migrationBuilder)
```

Parameters

migrationBuilder [MigrationBuilder](#)

The [MigrationBuilder](#) that will build the operations.

Remarks

That is, builds the operations that will take the database from the state left in by the previous migration so that it is up-to-date with regard to this migration.

This method must be overridden in each class that inherits from [Migration](#)[↗].

See [Database migrations](#)[↗] for more information and examples.

Namespace server.tests

Classes

[UnitTest1](#)

Class UnitTest1

Namespace: [server.tests](#)








Assembly: server.tests.dll

```
public class UnitTest1
```

Inheritance

[object](#)  ← UnitTest1

Inherited Members

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

Methods

Test1()

```
[Fact]  
public void Test1()
```