VISOKA ŠKOLA STRUKOVNIH STUDIJA ZA INFORMACIONE I KOMUNIKACIONE TEHNOLOGIJE

INTERNET TEHNOLOGIJE

# Dokumentacija

# GameBlog

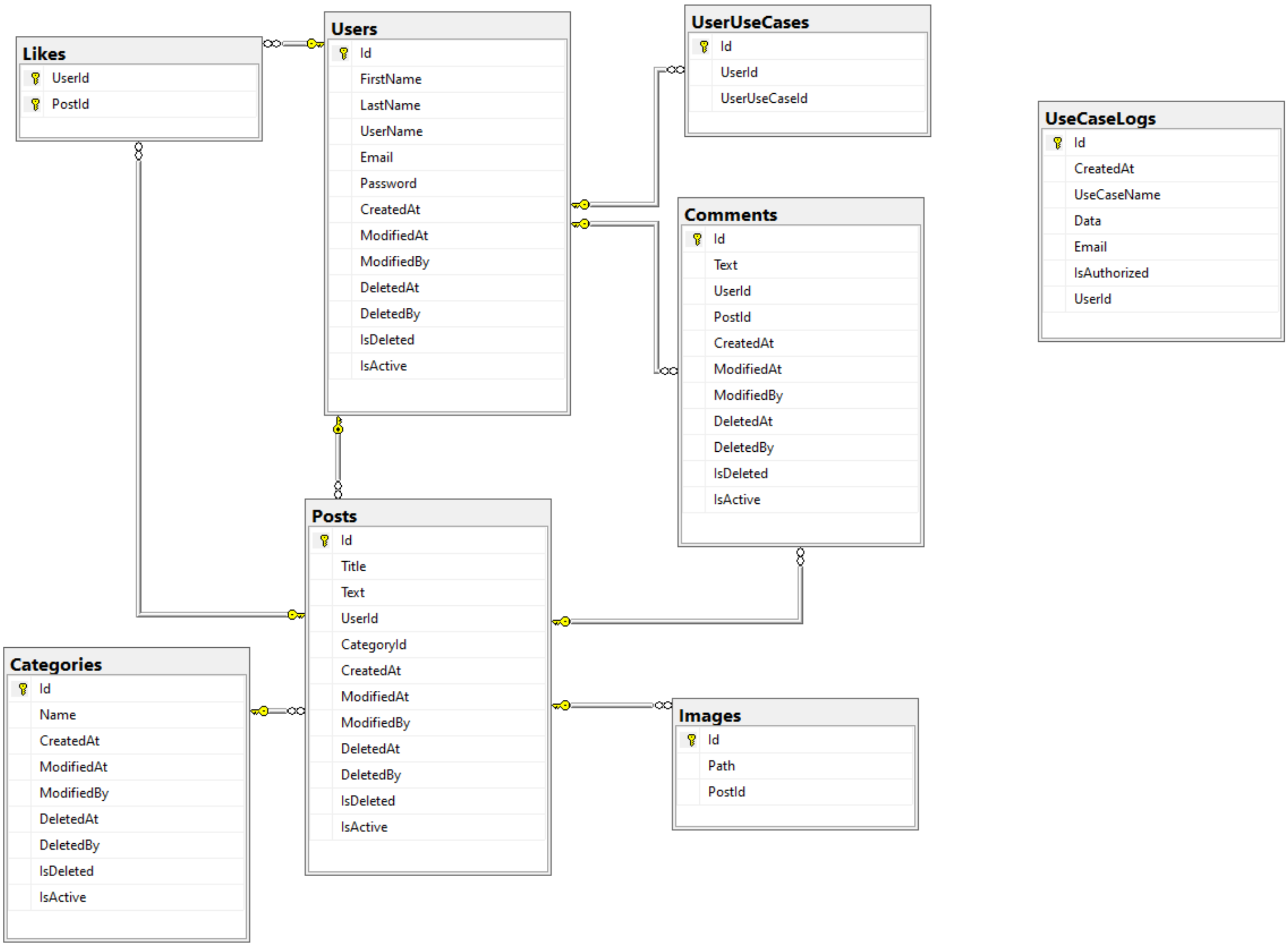
https://github.com/katarina8918-asp/GameBlog-ASP

Predmet : Web Programiranje ASP

Student : Katarina Kalanj 89/18

# Sadržaj

# 1. Baza podataka



## 2. Opis funkcionalnosti

Projekat je namenjen realizaciji blog-a/vesti vezanim za igre.

- Code-first pristup rada sa bazom podataka, konfigurisana baza podataka.
- Pretraga sa paginacijom.
- Registracija korisnika.
- Korišćenje JWT-a.
- Kod endpointa koji zahtevaju menjanje baze, korišćen je FluentValidator za proveru podataka.
- Upotreba odgovarajućih statusnih kodova.
- Korišćenje AutoMapper-a za update korisnika i post-ova.
- Zapis slučaja korišćenja u bazu.
- Granulisanje privilegija.
- Slanje maila pri registraciji korisnika.
- Kreiranje postova sa slikama(path se upisuje u bazu, slika se prebacuje na server), izmena i brisanje.
- Kreiranje komentara, izmena i brisanje.
- Omogućen like za svaki post(osim ako je već liked), brisanje.
- Kreiranje korisnika, izmena i brisanje.

Anonimni korisnici mogu da izvrše:

- Registraciju
- Pregled kategorija
- Pregled jedne kategorije
- Pregled postova
- Pregled jednog posta

Autorizovani korisnici mogu da izvrše:

- Sve što mogu anonimni(osim registracije)

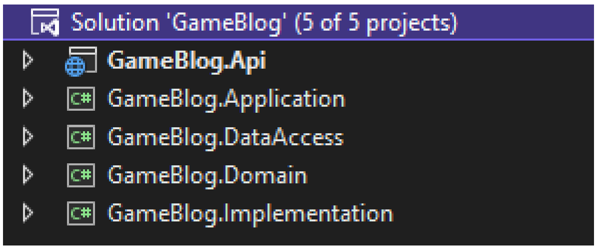
- Kreiranje posta
- Izmenu posta
- Brisanje ličnog posta
- Dodavanje like-a
- Brisanje like-a
- Kreiranje komentara
- Izmenu komentara
- Brisanje ličnog komentara
- Pregled korisnika
- Pregled jednog korisnika

Administratori mogu da izvrše:

- Sve što mogu anonimni i autorizovani(osim registracije)
- Kreiranje kategorije
- Izmenu kategorije
- Brisanje kategorije
- Brisanje komentara
- Kreiranje korisnika
- Izmenu korisnika
- Brisanje korisnika
- Brisanje postova
- Pregled Use Case logova

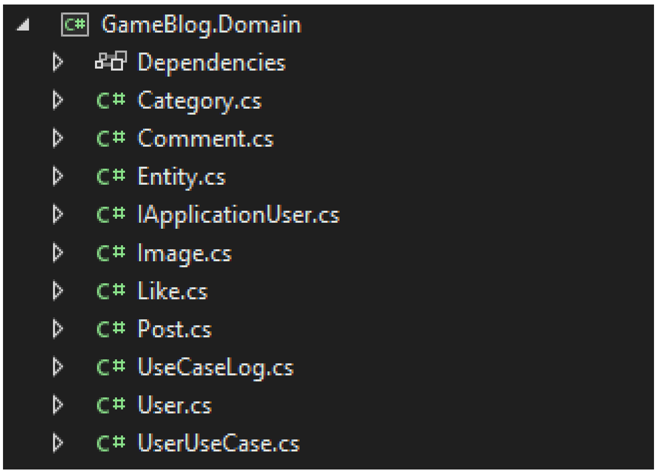
# 3. Struktura fajlova

## 3.1. Solution



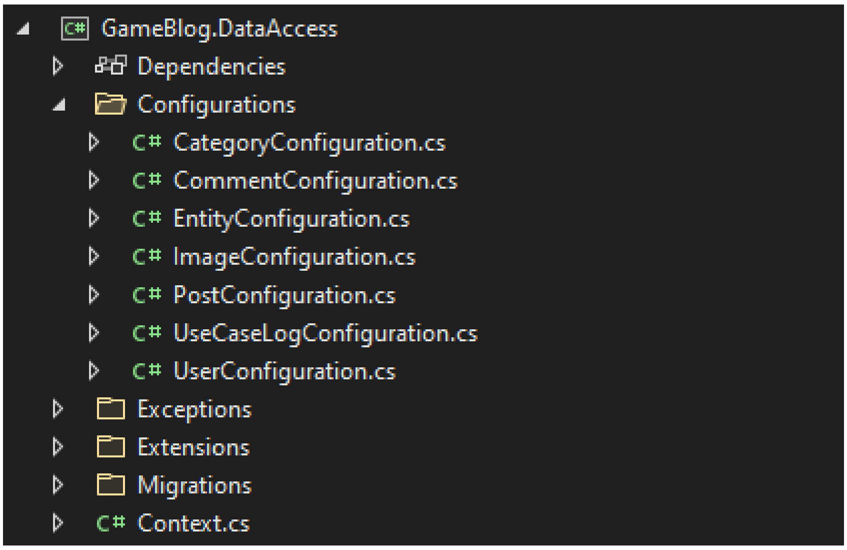
```
Solution 'GameBlog' (5 of 5 projects)
  GameBlog.Api
  GameBlog.Application
  GameBlog.DataAccess
  GameBlog.Domain
  GameBlog.Implementation
```

## 3.2. Domain



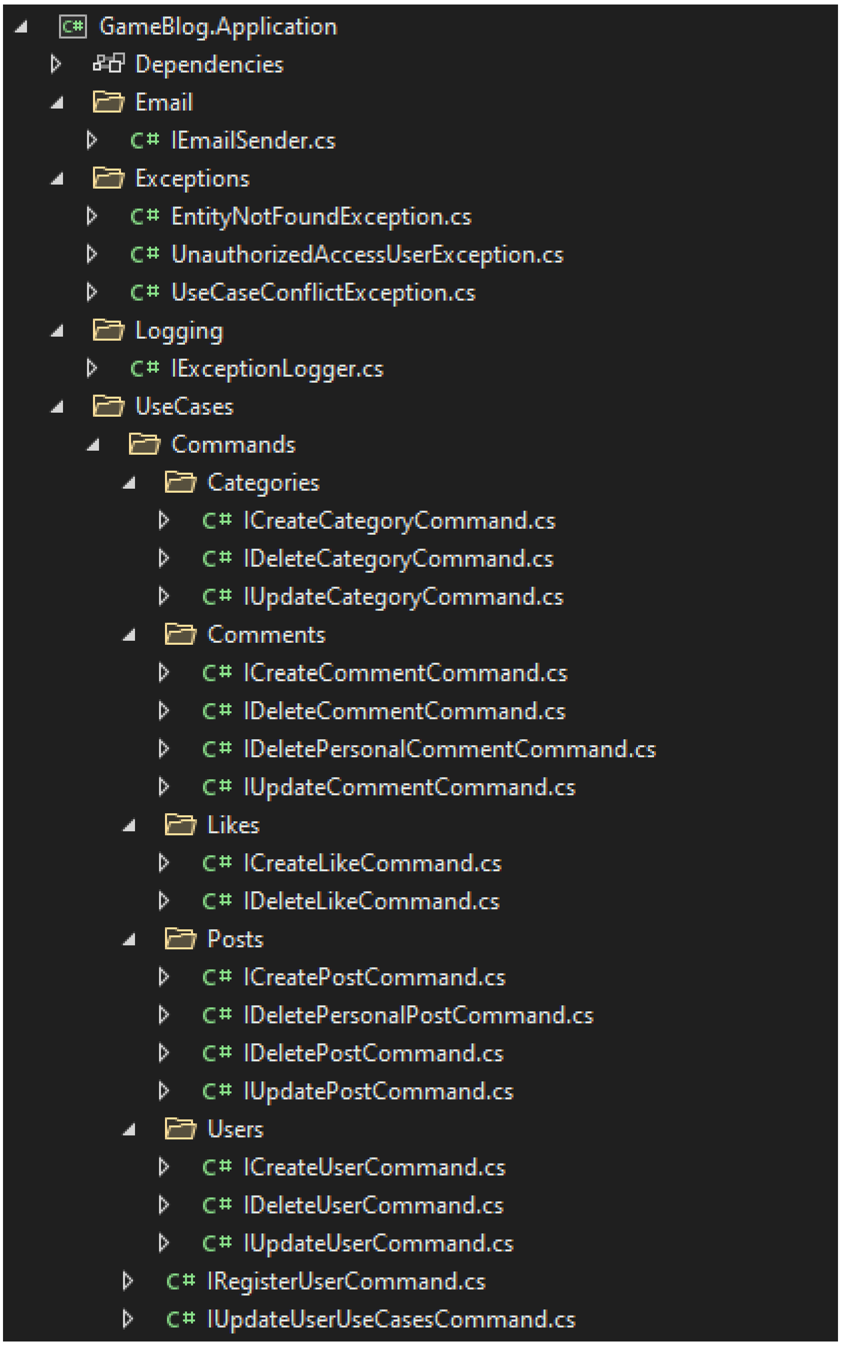
```
GameBlog.Domain
  Dependencies
  Category.cs
  Comment.cs
  Entity.cs
  IApplicationUser.cs
  Image.cs
  Like.cs
  Post.cs
  UseCaseLog.cs
  User.cs
  UserUseCase.cs
```

## 3.3. DataAccess

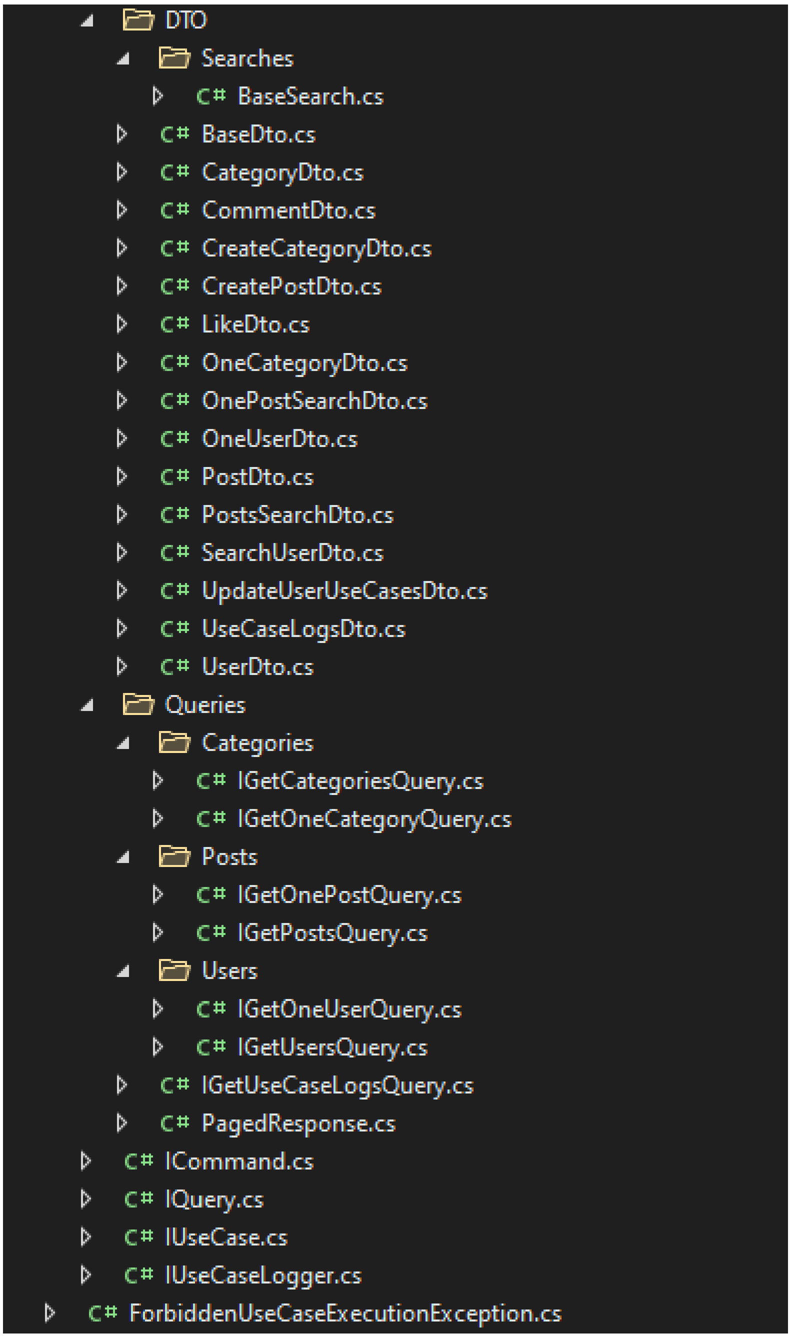


```
GameBlog.DataAccess
  Dependencies
  Configurations
    CategoryConfiguration.cs
    CommentConfiguration.cs
    EntityConfiguration.cs
    ImageConfiguration.cs
    PostConfiguration.cs
    UseCaseLogConfiguration.cs
    UserConfiguration.cs
  Exceptions
  Extensions
  Migrations
  Context.cs
```

## 3.4. Application

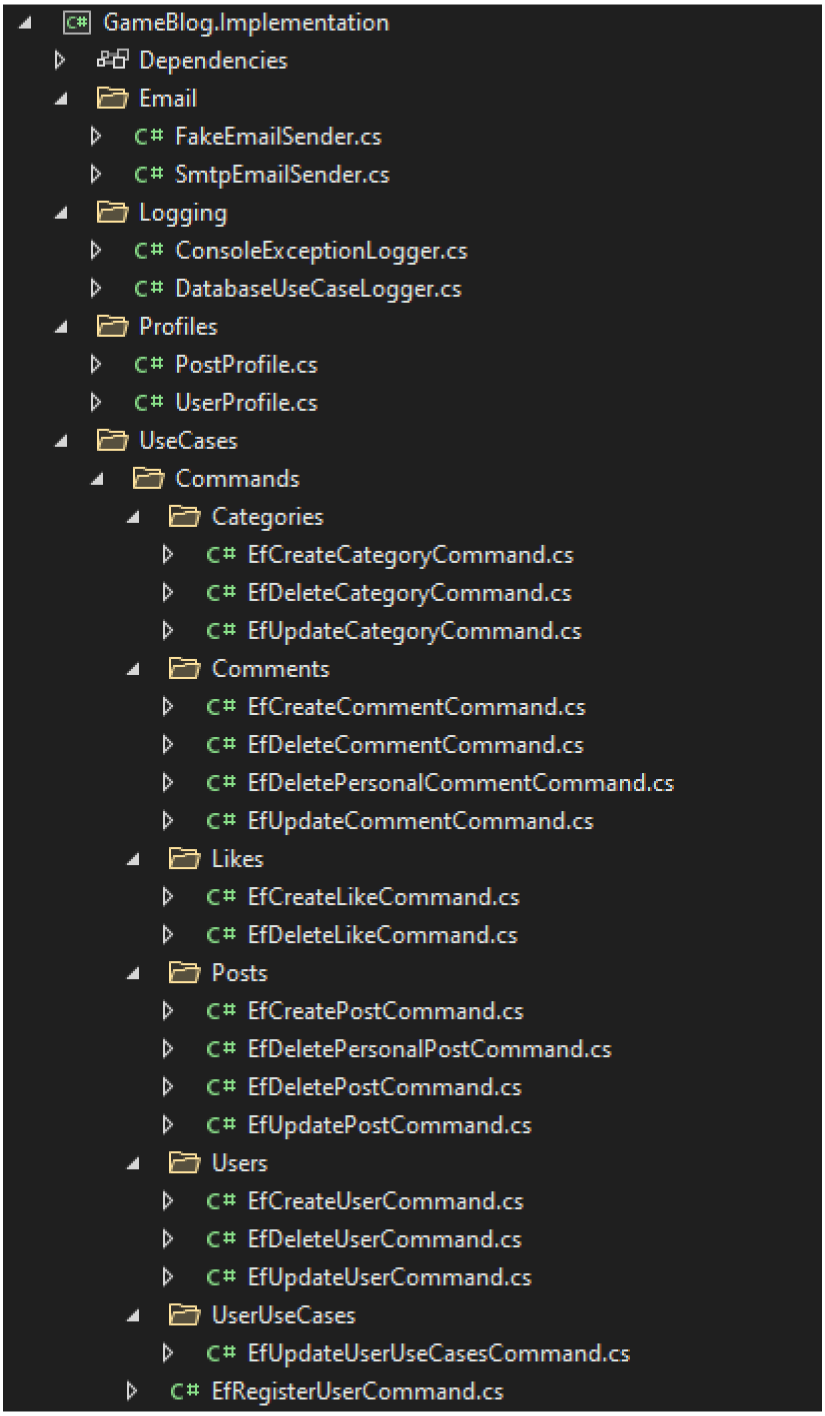


```
GameBlog.Application
  Dependencies
  Email
    IEmailSender.cs
  Exceptions
    EntityNotFoundException.cs
    UnauthorizedAccessUserException.cs
    UseCaseConflictException.cs
  Logging
    IExceptionLogger.cs
  UseCases
    Commands
      Categories
        ICreateCategoryCommand.cs
        IDeleteCategoryCommand.cs
        IUpdateCategoryCommand.cs
      Comments
        ICreateCommentCommand.cs
        IDeleteCommentCommand.cs
        IDeletePersonalCommentCommand.cs
        IUpdateCommentCommand.cs
      Likes
        ICreateLikeCommand.cs
        IDeleteLikeCommand.cs
      Posts
        ICreatePostCommand.cs
        IDeletePersonalPostCommand.cs
        IDeletePostCommand.cs
        IUpdatePostCommand.cs
      Users
        ICreateUserCommand.cs
        IDeleteUserCommand.cs
        IUpdateUserCommand.cs
      IRegisterUserCommand.cs
      IUpdateUserUseCasesCommand.cs
```

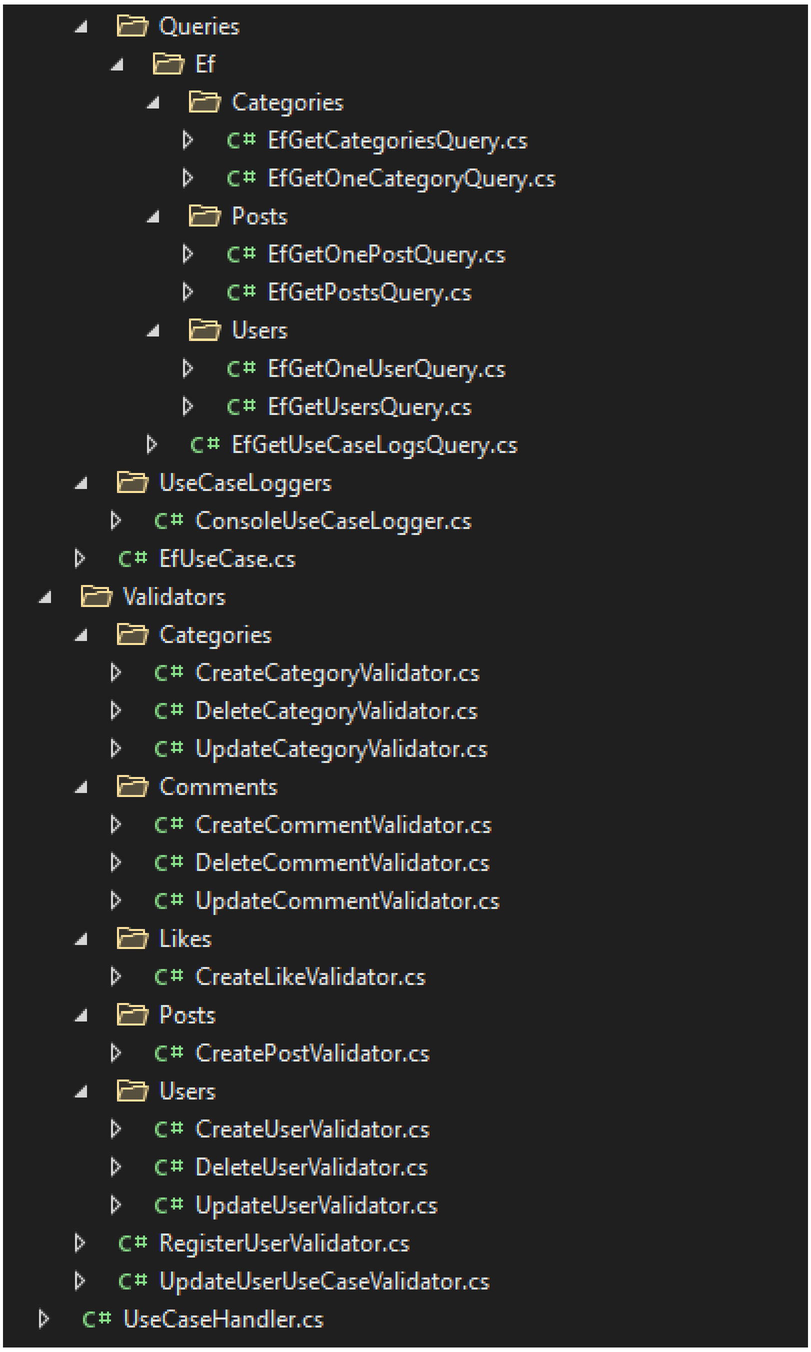


```
DTO
    Searches
        BaseSearch.cs
    BaseDto.cs
    CategoryDto.cs
    CommentDto.cs
    CreateCategoryDto.cs
    CreatePostDto.cs
    LikeDto.cs
    OneCategoryDto.cs
    OnePostSearchDto.cs
    OneUserDto.cs
    PostDto.cs
    PostsSearchDto.cs
    SearchUserDto.cs
    UpdateUserUseCasesDto.cs
    UseCaseLogsDto.cs
    UserDto.cs
Queries
    Categories
        IGetCategoriesQuery.cs
        IGetOneCategoryQuery.cs
    Posts
        IGetOnePostQuery.cs
        IGetPostsQuery.cs
    Users
        IGetOneUserQuery.cs
        IGetUsersQuery.cs
    IGetUseCaseLogsQuery.cs
    PagedResponse.cs
ICommand.cs
IQuery.cs
IUseCase.cs
IUseCaseLogger.cs
ForbiddenUseCaseExecutionException.cs
```

## 3.5. Implementation

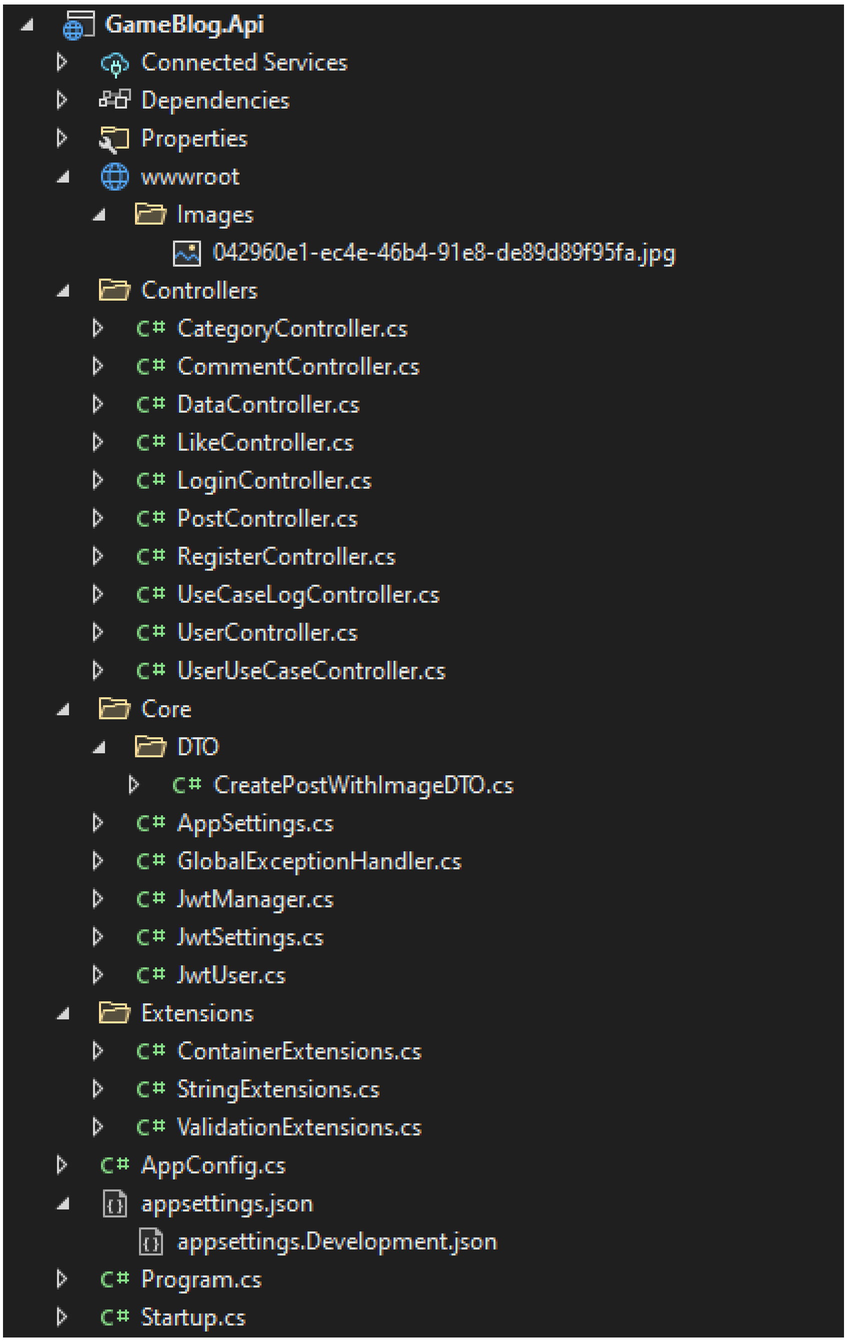


```
GameBlog.Implementation
  Dependencies
  Email
    FakeEmailSender.cs
    SmtpEmailSender.cs
  Logging
    ConsoleExceptionLogger.cs
    DatabaseUseCaseLogger.cs
  Profiles
    PostProfile.cs
    UserProfile.cs
  UseCases
    Commands
      Categories
        EfCreateCategoryCommand.cs
        EfDeleteCategoryCommand.cs
        EfUpdateCategoryCommand.cs
      Comments
        EfCreateCommentCommand.cs
        EfDeleteCommentCommand.cs
        EfDeletePersonalCommentCommand.cs
        EfUpdateCommentCommand.cs
      Likes
        EfCreateLikeCommand.cs
        EfDeleteLikeCommand.cs
      Posts
        EfCreatePostCommand.cs
        EfDeletePersonalPostCommand.cs
        EfDeletePostCommand.cs
        EfUpdatePostCommand.cs
      Users
        EfCreateUserCommand.cs
        EfDeleteUserCommand.cs
        EfUpdateUserCommand.cs
      UserUseCases
        EfUpdateUserUseCasesCommand.cs
      EfRegisterUserCommand.cs
```



```
    Queries
        Ef
            Categories
                EfGetCategoriesQuery.cs
                EfGetOneCategoryQuery.cs
            Posts
                EfGetOnePostQuery.cs
                EfGetPostsQuery.cs
            Users
                EfGetOneUserQuery.cs
                EfGetUsersQuery.cs
            EfGetUseCaseLogsQuery.cs
    UseCaseLoggers
        ConsoleUseCaseLogger.cs
    EfUseCase.cs
Validators
    Categories
        CreateCategoryValidator.cs
        DeleteCategoryValidator.cs
        UpdateCategoryValidator.cs
    Comments
        CreateCommentValidator.cs
        DeleteCommentValidator.cs
        UpdateCommentValidator.cs
    Likes
        CreateLikeValidator.cs
    Posts
        CreatePostValidator.cs
    Users
        CreateUserValidator.cs
        DeleteUserValidator.cs
        UpdateUserValidator.cs
    RegisterUserValidator.cs
    UpdateUserUseCaseValidator.cs
UseCaseHandler.cs
```

## 3.6. API



```
GameBlog.Api
    Connected Services
    Dependencies
    Properties
    wwwroot
        Images
            042960e1-ec4e-46b4-91e8-de89d89f95fa.jpg
    Controllers
        CategoryController.cs
        CommentController.cs
        DataController.cs
        LikeController.cs
        LoginController.cs
        PostController.cs
        RegisterController.cs
        UseCaseLogController.cs
        UserController.cs
        UserUseCaseController.cs
    Core
        DTO
            CreatePostWithImageDTO.cs
        AppSettings.cs
        GlobalExceptionHandler.cs
        JwtManager.cs
        JwtSettings.cs
        JwtUser.cs
    Extensions
        ContainerExtensions.cs
        StringExtensions.cs
        ValidationExtensions.cs
    AppConfig.cs
    appsettings.json
        appsettings.Development.json
    Program.cs
    Startup.cs
```