SeeSharp komandos techninė specifikacija

Concurency

Prisijungusiam vartotojui sugeneruojamas token, kuris išsaugomas naudotoj naršyklės sausainiukuose, taip pat mūsų duomenų bazėje. Su kiekviena sekančia užklausa, tikriname token'ą ir autorizuojame naudotoją.

UserService.cs

Security

Naudojamas EntityFramework

```
using Microsoft.EntityFrameworkCore;
using Application.Entities;
using MebApplication.Models;

Inamespace Application

{
25 seferences|Tomas Uwinas, 16 hours ago | 6 authors, 16 changes | 1 work item

public class ApplicationDbContext : DbContext

{

10 references|NeringsChmelevskyte, 18 days ago | 1 author, 1 change | 0 exceptions

public DbSetCdSer> Users { get; set; }

14 references|NeringsChmelevskyte, 18 days ago | 1 author, 1 change | 0 exceptions

public DbSetCdSer> Users { get; set; }

3 references|Inamesphanelevskyte, 18 days ago | 1 author, 1 change | 0 exceptions

public DbSetCdSerN Events { get; set; }

3 references|Inamesphanelevskyte, 18 days ago | 1 author, 1 change | 0 exceptions

public DbSetCActiveToken> ActiveTokens { get; set; }

12 references|Julus15; O hours ago | 1 author, 1 change | 0 exceptions

public DbSetCActiveToken> ActiveTokens { get; set; }

12 references|Julus15; O hours ago | 1 author, 2 changes | 0 exceptions

public DbSetCActomodationInfo> AccomodationInfo { get; set; }

14 references|Julus15; O hours ago | 1 author, 1 change | 0 exceptions

public DbSetCAccomodationInfo> AccomodationInfo { get; set; }

0 references|NeringaChmelevskyte, 18 days ago | 1 author, 1 change | 0 exceptions

public ApplicationDbContext(DbContextOptionsCApplicationDbContext> options) ;

{

Database.EnsureCreated();
}

Oreferences|NeringaChmelevskyte, 18 days ago | 1 author, 1 change | 0 exceptions

protected override void OnConfiguring(ObContextOptionsBuilder optionsBuilder)

{

base.OnConfiguring(optionsBuilder);
```

ApplicationDbContext.cs

DataAccess

```
using Macrosoft.EntityFrameworkCore;
using MebApplication.Entities;
using MebApplication.Hodels;

@namespace Application

{
25 references | Tomas Ukrinas, 16 hours ago | 6 authors, 16 changes | 1 work item
public class ApplicationDbContext : DbContext

{
10 references | NeringaChmelevskyte, 18 days ago | 1 author, 1 change | 0 exceptions
public DbSetKlber> Users { get; set; }
14 references | NeringaChmelevskyte, 18 days ago | 1 author, 1 change | 0 exceptions
public DbSetKlber> Users { get; set; }
3 references | Iomas Ukrinas, days ago | 1 author, 1 change | 0 exceptions
public DbSetKlber> Users { get; set; }
3 references | Iomas Ukrinas, days ago | 1 author, 1 change | 0 exceptions
public DbSetKlber> Users { get; set; }
14 references | Iomas Ukrinas, days ago | 1 author, 1 change | 0 exceptions
public DbSetKlightInformation> PlightInformation { get; set; }
12 references | Iomas Ukrinas, 4 days ago | 1 author, 1 change | 0 exceptions
public DbSetKlentalCarInformation> RentalCarInformation { get; set; }
14 references | Iomas Ukrinas, 4 days ago | 1 author, 1 change | 0 exceptions
public DbSetKlog> Logs { get; set; }

Oreferences | NeringaChmelevskyte, 18 days ago | 1 author, 1 change | 0 exceptions
public ApplicationobContext(DbContextOptions

Oreferences | NeringaChmelevskyte, 18 days ago | 1 author, 1 change | 0 exceptions
public ApplicationobContext(DbContextOptions

Oreferences | NeringaChmelevskyte, 18 days ago | 1 author, 1 change | 0 exceptions
public ApplicationobContext(DbContextOptions

Oreferences | NeringaChmelevskyte, 18 days ago | 1 author, 1 change | 0 exceptions
protected override void OnConfiguring(DbContextOptionsBuilder optionsBuilder)

{
base.OnConfiguring(optionsBuilder);
```

Optimistic locking

```
[ConcurrencyCheck]
[Timestamp]
1reference | Tomas Ukrinas, 21 hours ago | 1 author, 1 change | 0 exceptions
public byte[] Version { get; set; }
```

Trip.cs

```
_context.Update(trip);
await _context.SaveChangesAsync();
}
catch (DbUpdateConcurrencyException a)
```

Memory management

TripController.cs

Asynchronous/non-blocking communication

```
_context.Update(trip);
await _context.SaveChangesAsync();
}
catch (DbUpdateConcurrencyException a)
```

Cross-cutting functionality/Interceptors

Glass-box extensibility

```
services.AddDbContext<ApplicationDbContext>(options => options.UseSqlServer("Server = localhost; Database = AppDB; Trusted_Connection = True;"));
services.AddScoped<IUserService, UserService>();
services.AddScoped<ITripService, TripService>();
services.AddScoped<ILogService, LogService>();
services.AddScoped<IogService);</pre>
```