

# Chirp.Infrastructure

## Chirp.Repositories

<<Interface>>

### ICheepRepository

+GetCheeps(page, pageSize) : List<CheepDto>  
 +GetCheepsFromAuthor(author, page, pageSize) : List<C...  
 +GetCheepsFromPage(page, pageSize, CancellationToke...  
 +GetCheepsFromAuthorAndPage(authorname, page, pag...  
 +AddCheep(cheepdto)  
 +LikeCheep(authorname, cheepId)



### CheepRepository

-ChirpDbContext \_context  
 -int DefaultPage Size  
 -TimeZoneInfo CopenhagenZone  
 +CheepRepository(ChirpDbContext context)

<<Interface>>

### IAuthorRepository

+GetAuthorByName(authorname) : Author  
 +GetAuthorByEmail(email) : Author  
 +AddAuthor(authorname, email)  
 +Follow(followerUserName, followeeUserName) : Task  
 +Unfollow(followerUserName, followeeUserName) : Task  
 +GetFollowing(usernameOrEmail) : Task<List<Author>>  
 +GetFollowers(usernameOrEmail) : Task<List<Author>>



### AuthorRepository

-ChirpDbContext \_context  
 +AuthorRepository(ChirpDbContext context)



## Chirp.Service

<<Interface>>

### ICheepService

+GetCheeps(page, pageSize) : List<CheepDto>  
 +GetCheepsFromAuthor(author, page, pageSize) : List<C...  
 +AddCheep(authorUserName, text)  
 +LikeCheep(authorUserName, cheepId)



### CheepService

-ICheepRepository \_cheepRepository  
 +CheepService(ICheepRepository cheepRepository)

<<Interface>>

### IAuthorService

+GetAuthorByName(authorname) : Author  
 +GetAuthorByEmail(email) : Author  
 +AddAuthor(authorname, email)  
 +Follow(followerUserName, followeeUserName) : Task  
 +Unfollow(followerUserName, followeeUserName) : Task



### AuthService

-IAuthorRepository \_authorRepository  
 +AuthService(IAuthorRepository authorRepository)

### ChirpDbContext

+DbSet Cheeps  
 +DbSet Authors  
 +DbSet CheepLikes  
 +ChirpDbContext(DbContextOptions options)  
 #OnModelCreating(ModelBuilder builder)

### Migrations