

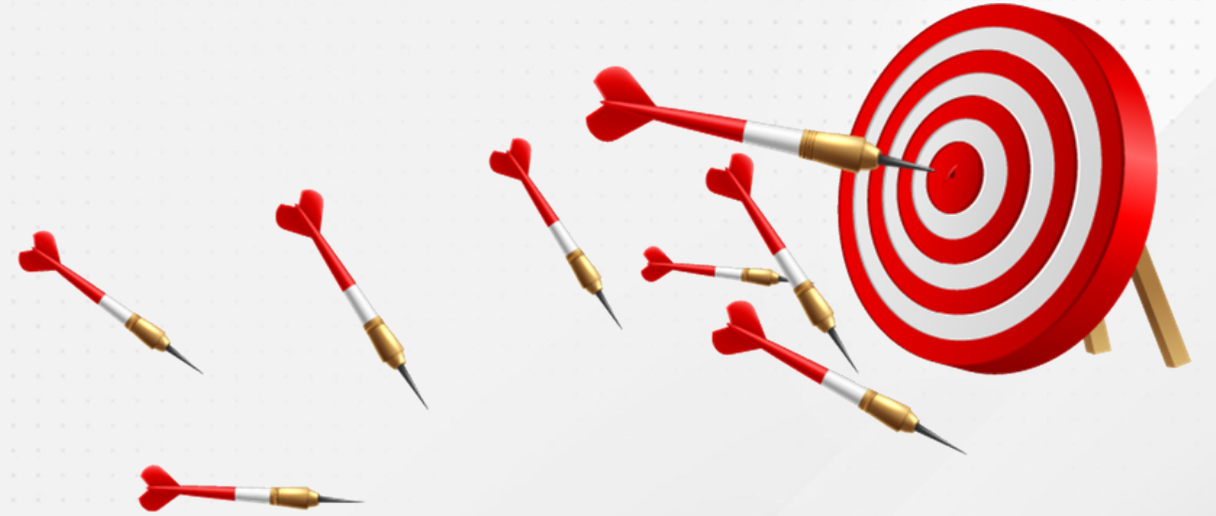


ANKARA
HACI BAYRAM VELİ ÜNİVERSİTESİ
**UZAKTAN EĞİTİM UYGULAMA VE
ARAŞTIRMA MERKEZİ**

İNTERNET PROGRAMCILIĞI

Dersin Genel Hedefleri

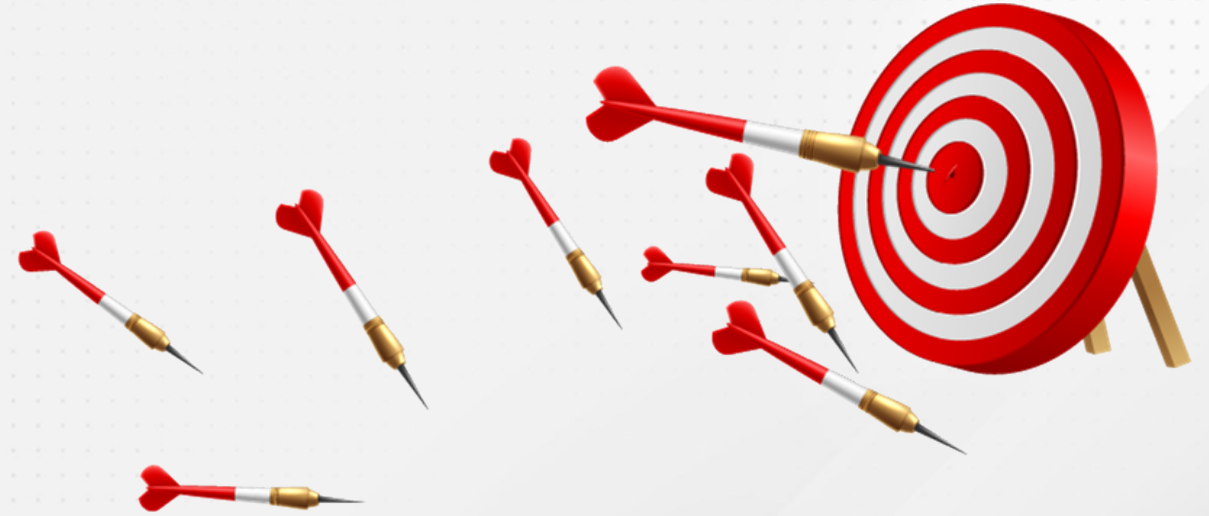
- ASP.NET ile Web Uygulama projesi geliřtirebilme
- DataAccess katmanının oluřturulması



HAFTA 10. ASP.NET İLE WEB UYGULAMA PROJESİ GELİŞTİREBİLME

Bölüm Hedefleri

- Katmanlı Mimari Projesi Oluşturma
- Proje Mimarisine Uygun DataAccess katmanının oluşturulması



1.2. Data Access Katmanının Oluşturulması (Concrete)

Veritabanı bağlantı cümlesi ve

Roles ve Users in veri tabanında oluşması için gerekli olan DbSet ler eklenir.

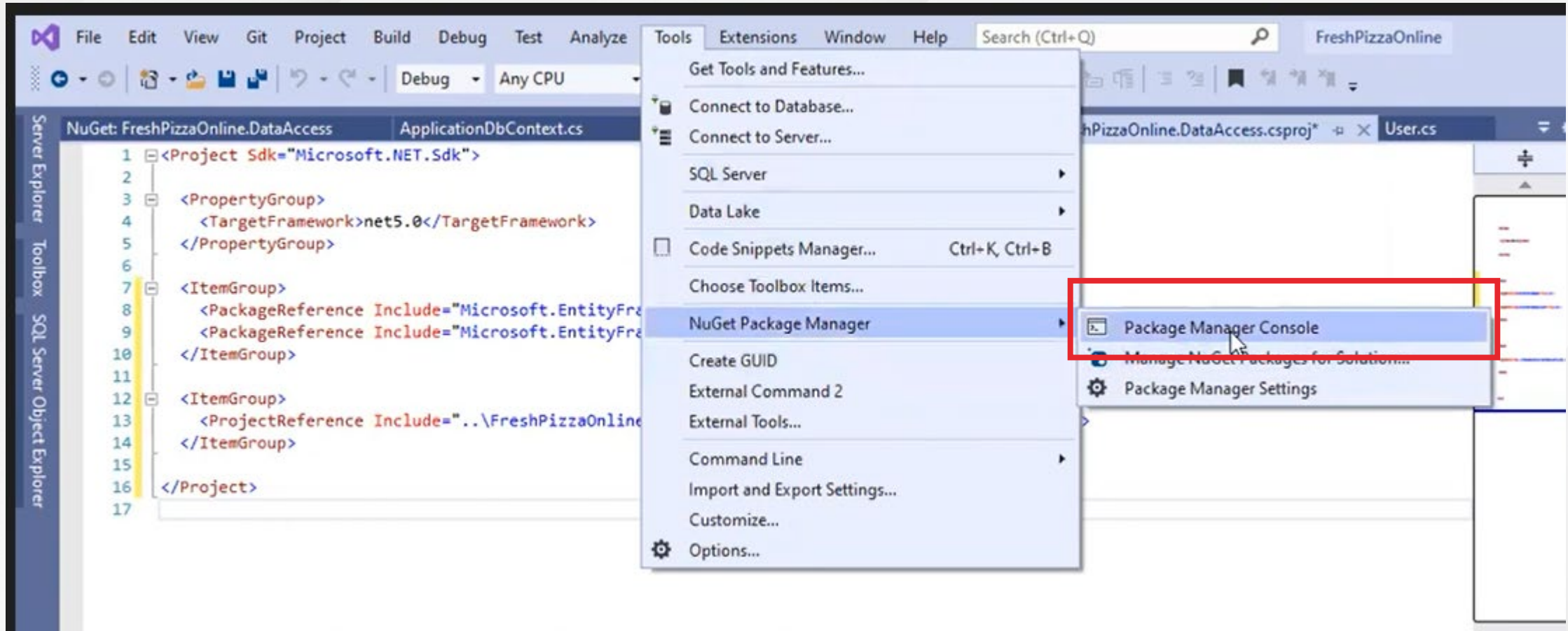


```
1 using FreshPizzaOnline.Entities.Concrete;
2 using Microsoft.EntityFrameworkCore;
3 using System;
4 using System.Collections.Generic;
5 using System.Linq;
6 using System.Text;
7 using System.Threading.Tasks;
8
9 namespace FreshPizzaOnline.DataAccess
10 {
11     0 references
12     class ApplicationDbContext: DbContext
13     {
14         0 references
15         protected override void OnConfiguring(DbContextOptionsBuilder optionsBuilder)
16         {
17             base.OnConfiguring(optionsBuilder);
18             optionsBuilder.UseSqlServer("Server=(localdb)\\mssqllocaldb;Database=FreshPizza;Trusted_Connection=True;");
19         }
20         0 references
21         public DbSet<Role> Roles { get; set; }
22         0 references
23         public DbSet<User> Users { get; set; }
24     }
25 }
```

Veritabanı bağlantı uzantısı
ApplicationDbContext
dosyası içinde ilgili alana
eklenir.

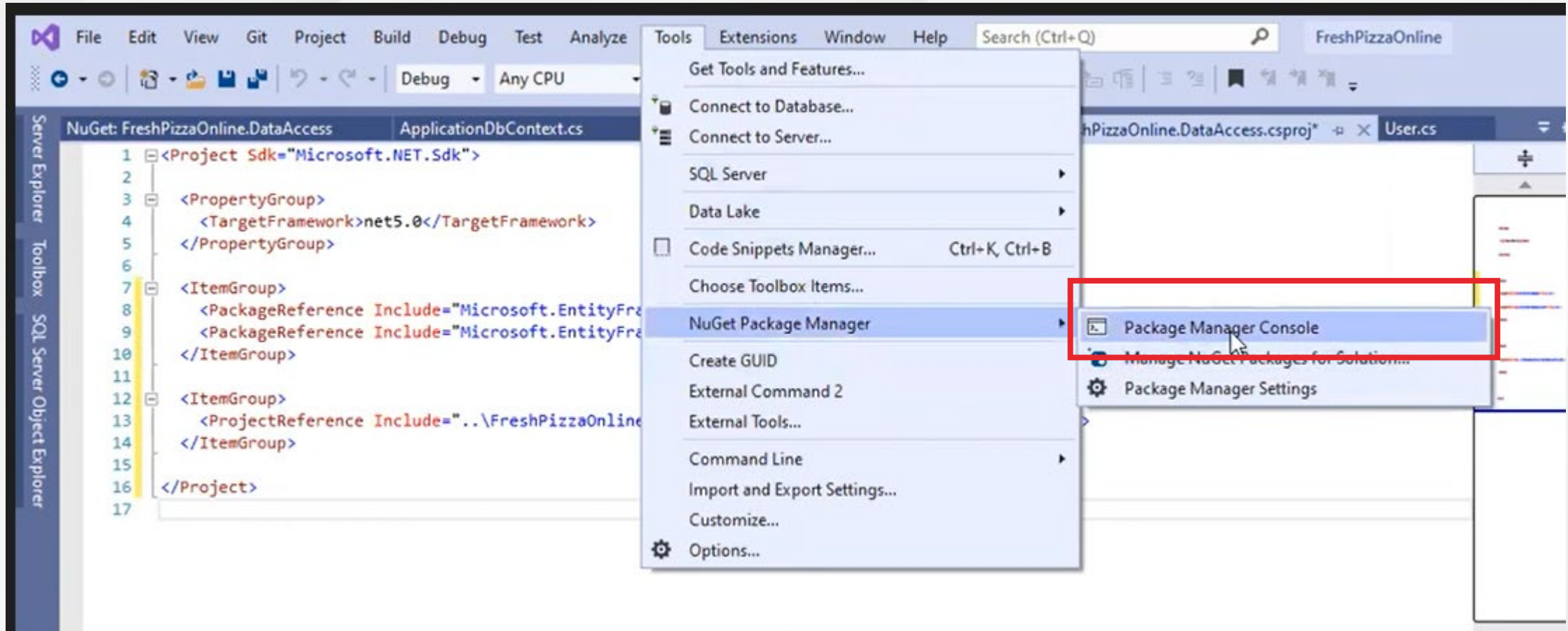
1.2. Data Access Katmanının Oluşturulması (Concrete)

Projeye Migration'ları eklemek için Package Manager Console açılır.



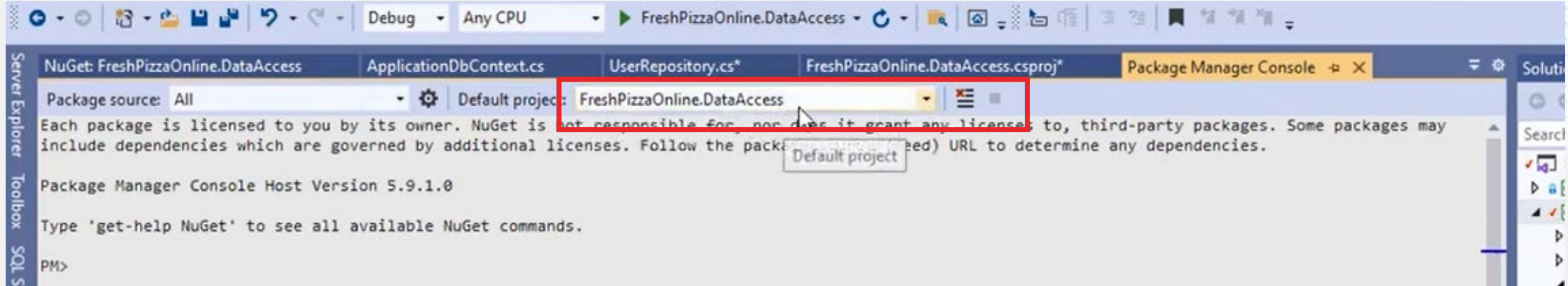
1.2. Data Access Katmanının Oluşturulması (Concrete)

Projeye Migration'ları eklemek için Package Manager Console açılır.



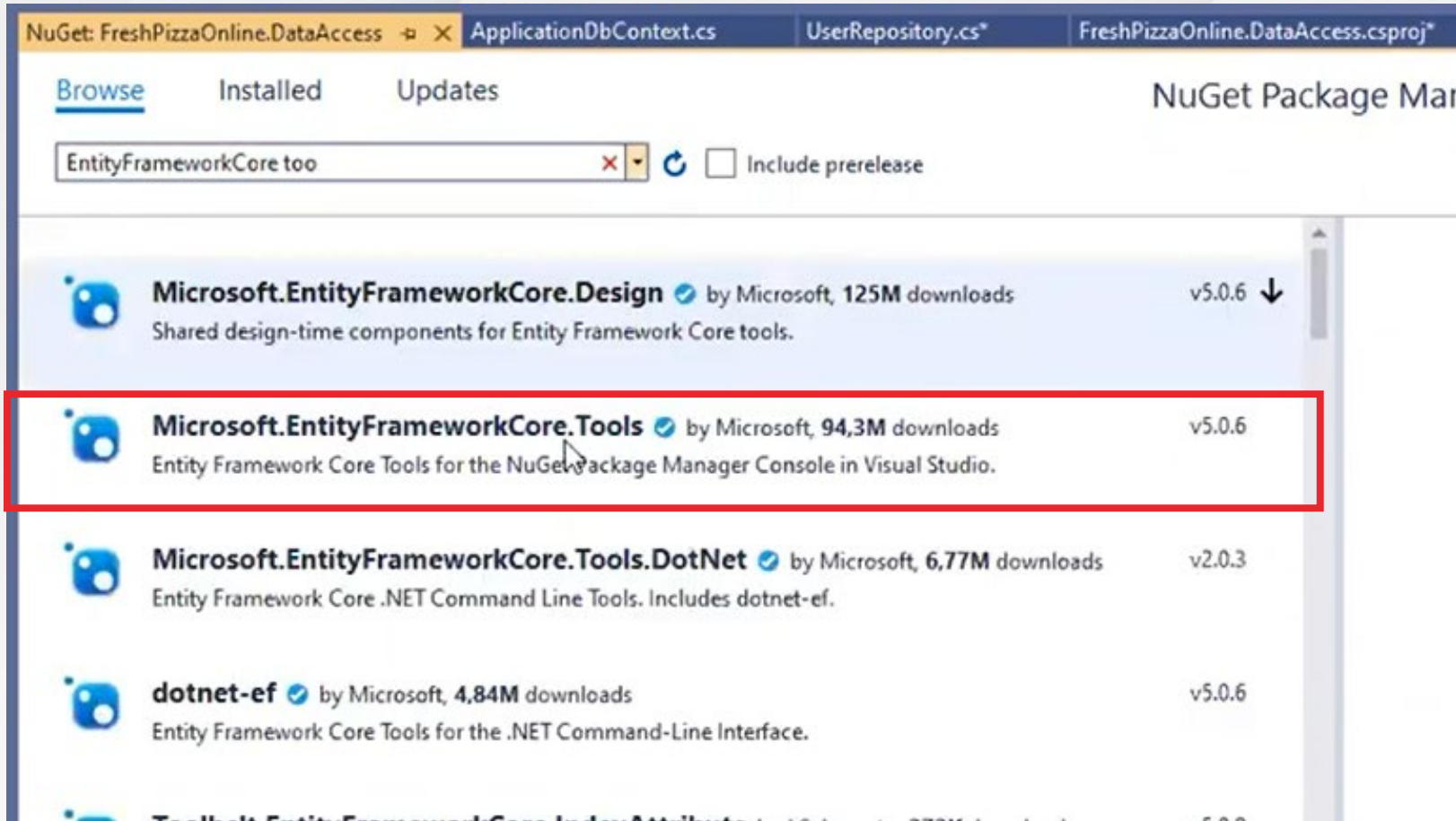
1.2. Data Access Katmanının Oluşturulması (Concrete)

Bu aşamada Default Project alanında Data Access katmanı seçili olmalıdır.



1.2. Data Access Katmanının Oluşturulması (Concrete)

Entitiy Framework Tools paketi projeye eklenir.



1.2. Data Access Katmanının Oluşturulması (Concrete)

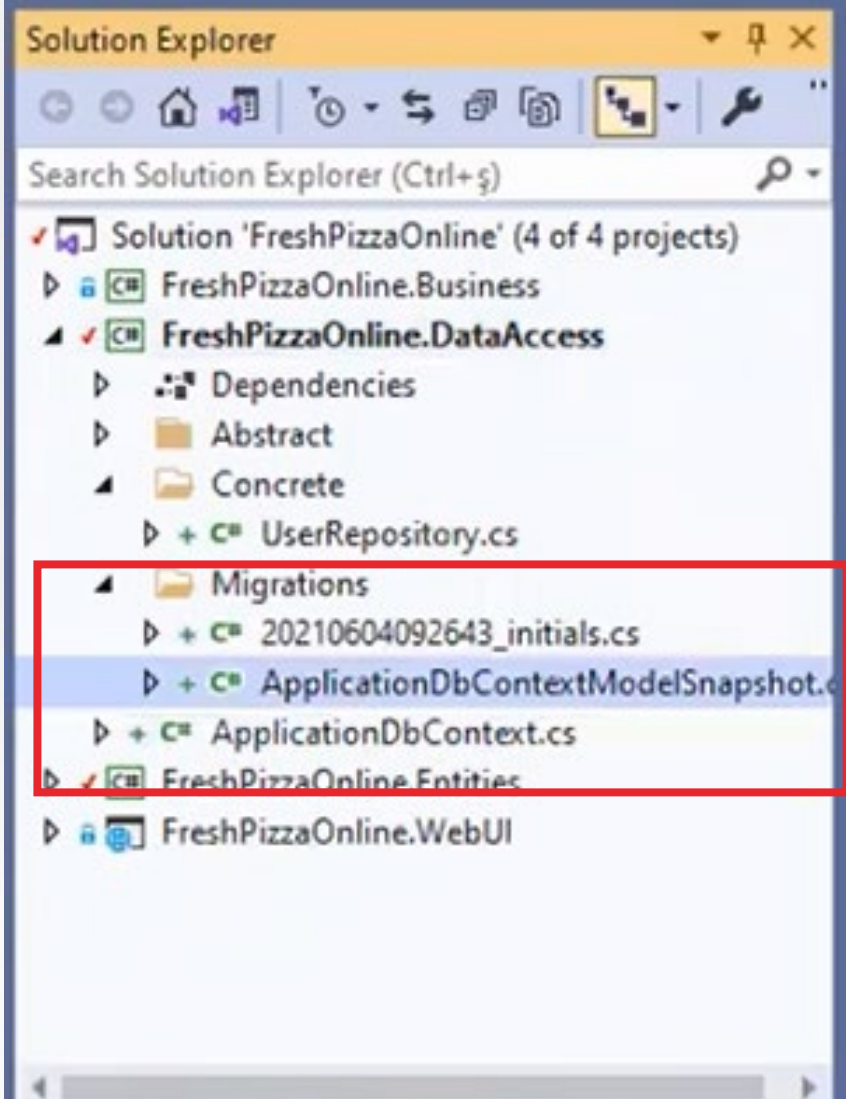
```
NuGet: FreshPizzaOnline.DataAccess | ApplicationDbContext.cs | UserRepository.cs | FreshPizzaOnline
Package source: All | Default project: FreshPizzaOnline.DataAccess
Each package is licensed to you by its owner. NuGet is not responsible for, nor does it grant
include dependencies which are governed by additional licenses. Follow the package source (f
Package Manager Console Host Version 5.9.1.0
Type 'get-help NuGet' to see all available NuGet commands.
PM> enable-migrations
enable-migrations : The term 'enable-migrations' is not recognized as the name of a cmdlet,
ling of the name, or if a path was included, verify that the path is correct and try again.
At line:1 char:1
+ enable-migrations
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (enable-migrations:String) [], CommandNotFound
+ FullyQualifiedErrorId : CommandNotFoundException
PM> add-migration initials
add-migration : The term 'add-migration' is not recognized as the name of a cmdlet, function
the name, or if a path was included, verify that the path is correct and try again.
At line:1 char:1
+ add-migration initials
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (add-migration:String) [], CommandNotFoundExce
+ FullyQualifiedErrorId : CommandNotFoundException
PM> enable-migrations
Enable-Migrations is obsolete. Use Add-Migration to start using Migrations.
PM> add-migration initials
Build started...
Build succeeded.
```

Migrationların gelebilmesi için;

- Enable-migrations
- Add-migration initials

Kod satırları yazılır.

1.2. Data Access Katmanının Oluşturulması (Concrete)



İlgili kod satırları sonrası Migration klasörünün projeye geldiği görülmektedir.

1.2. Data Access Katmanının Oluşturulması (Concrete)

```
20210604092643_initials.cs | NuGet: FreshPizzaOnline.DataAccess | ApplicationDb
Package source: All | Default project: FreshPizzaOnline.D

Type 'get-help NuGet' to see all available NuGet commands.

PM> enable-migrations
enable-migrations : The term 'enable-migrations' is not recognized as the name of the command, or if a path was included, verify that the path is correct and that the command exists.
At line:1 char:1
+ enable-migrations
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (enable-migrations:String)
+ FullyQualifiedErrorId : CommandNotFoundException

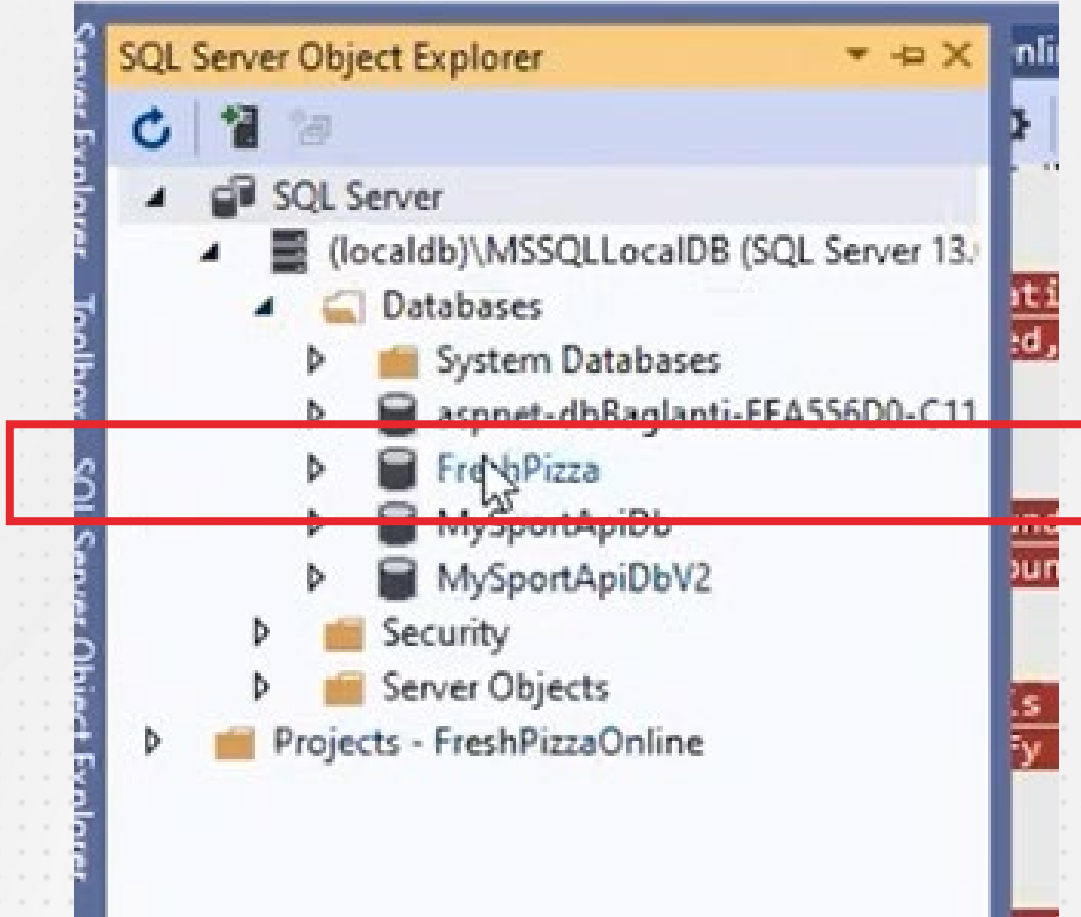
PM> add-migration initials
add-migration : The term 'add-migration' is not recognized as the name of the command, or if a path was included, verify that the path is correct and that the command exists.
At line:1 char:1
+ add-migration initials
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (add-migration:String) [],
+ FullyQualifiedErrorId : CommandNotFoundException

PM> enable-migrations
Enable-Migrations is obsolete. Use Add-Migration to start using Migration
PM> add-migration initials
Build started...
Build succeeded.
To undo this action, use Remove-Migration.

PM> update-database
Build started...
Build succeeded.
```

Update-database kod satırı ile Migration tabloları oluşturulur.

1.2. Data Access Katmanının Oluşturulması (Concrete)



Veritabanı kontrolü sağlanır.

- Proje mimarisine uygun DataAccess katmanının oluşturulması

Değerlendirme Soruları

BÖLÜM SORULARI

- Data Access katmanının uygulamadaki görevi nedir?