

# EFCore : HasAlternateKey()



```
public class SampleContext : DbContext
{
    public DbSet<Applicant> Applicants { get; set; }

    protected override void OnModelCreating(ModelBuilder modelBuilder)
    {
        modelBuilder.Entity<Applicant>()
            .HasAlternateKey(a => a.PassportNumber);
    }
}

public class Applicant
{
    public int ApplicantId { get; set; }
    public string Name { get; set; }
    public string PassportNumber { get; set; }
}
```

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**If more than one property  
takes part in the unique  
constraint (composite  
alternate key), they are  
specified as properties of an  
anonymous type**



# Composite alternate key



```
public class SampleContext : DbContext
{
    public DbSet<Applicant> Applicants { get; set; }

    protected override void OnModelCreating(ModelBuilder modelBuilder)
    {
        modelBuilder.Entity<Applicant>()
            .HasAlternateKey(a => new { a.PassportNumber, a.CountryCode });
    }
}

public class Applicant
{
    public int ApplicantId { get; set; }
    public string Name { get; set; }
    public string PassportNumber { get; set; }
    public string CountryCode { get; set; }
}
```

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