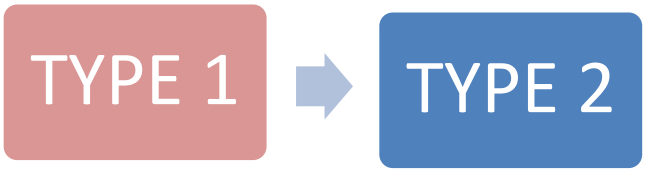
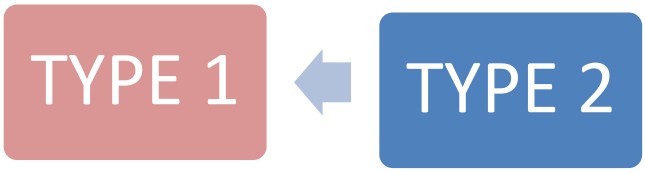
FLUENT API RELATIONSHIPS



- **HasMany ( )**
- **HasRequired ( )**
- **HasOptional ( )**



- **WithMany ( )**
- **WithRequired ( )**
- **WithOptional ( )**

SYNTAX:

- **One to Many**

Author 1 * Course

```
modelBuilder.Entity<Author>(    )
.HasMany(a=>a.Courses)
.WithRequired(c=>c.Author )
.HasForeignKey(c=>c.AuthorId)
```

FLUENT API RELATIONSHIPS

- **Many to Many**

Course * * Tag


```
modelBuilder.Entity<Courses>(    )
.HasMany(a=>a.Tags)
.WithMany(t=>t.Courses )
.Map(m=>m.ToTable("CourseTags")
```

- **One to zero/one**

  Course 1 0..1 Caption

```
modelBuilder.Entity<Courses>(    )
.HasOptional(c=>c.Caption)
.WithRequired(c=>c.Courses )
```

- **One to one**

  Parent=Principal and Child=Dependent

  Course 1 1 Cover


```
modelBuilder.Entity<Courses>(    )
.HasRequired(c=>c.Cover)
.WithRequiredPrincipal(c=>c.Course )
```

FLUENT API RELATIONSHIPS

Course 1 1 Cover

```
modelBuilder.Entity<Cover>(    )
.HasRequired(c=>c.Course)
.WithRequiredDependent(c=>c.Cover )
```