



Introduction to Entity Framework Core

Module 2 – Modelling the Database

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Agenda

Create entities

Configure fields

Relationships

3 kinds of configurations

One-to-One Relationships

- We can model relationships between our entities
- Types:
 - One-to-one
 - One-to-many
 - Many-to-many
- One-to-One: One record relates to, at most, a single record

One-to-Many Relationships

- One record can have a relationship with several records from another table
- A cinema has several cinema halls

Many-to-Many Relationships

- Movie-Genre relationship:
 - A movie can have several genres
 - A genre can correspond to several movies
- This is a many-to-many relationship
- Two ways to configure: Skip and non-skip navigation
- With skip we avoid an intermediate entity
- With non-skip we create our intermediate entity

Actors and Movies

- The relationship between actors and movies should be many-to-many
- But we want to have full control over the intermediate table
- Because we want to add custom columns to this table
- For that we'll add an intermediate entity

Summary



Databases



Primary keys



Maximum length



NetTopologySuite



Unicode



One-to-one relationships

Summary



One-to-many relationships



Many-to-many relationships



Automatic



Manual



Conventions



IEntityTypeConfiguration