Entity Framework Core is an object-relational mapper (O /RM). It is designed to make writing code for accessing a database quick and intuitive.

There are many good reasons to use EF Core. It supports LINQ queries, change tracking, updates, and schema migrations. EF Core works with many databases, including SQL Database, SQLite, MySQL, PostgreSQL, and Azure Cosmos DB.

[https://docs.microsoft.com/en-us/ef/]

[Entity Framework in Action, author Jon P Smith]

The PLANA application relational database

Our database has many types of relationships we can have in EF Core. The types are:

One-to-many: Lecturer

Many-to-many:

## One-To-Many Relationship :

Lecturer to an Additional Assignment

Semester to a Additional Assignment

Semester to a Module Run

Module to a Module Run

Study Branch to a Module

## Many-To-Many Relationship :

Lecturers to Semester

Lecturers to Module

Lecturers to Module Run