

# Django Models

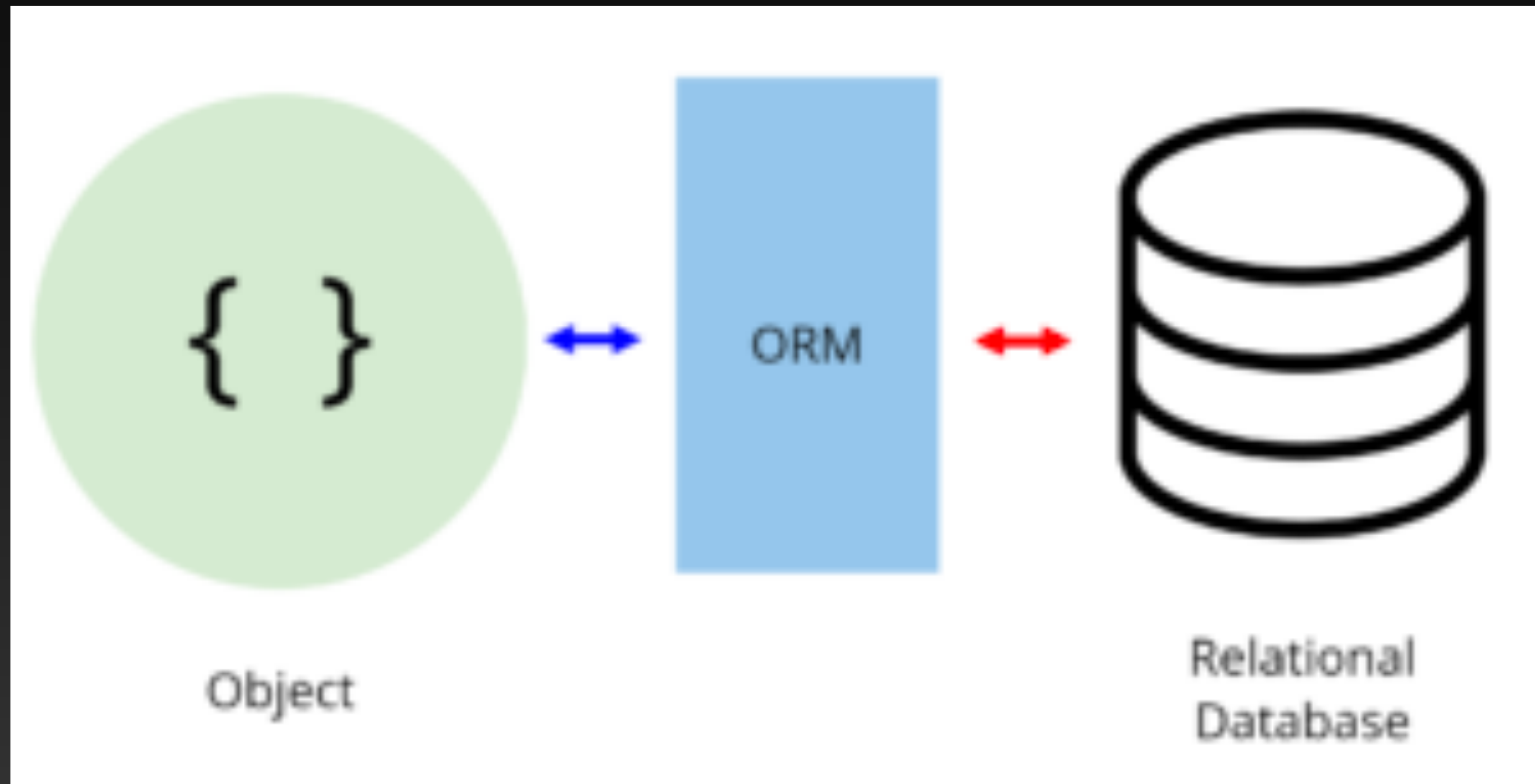
Fat and Beautiful ?

Y Arslan

# OOP

Object-oriented Programming

Object <---> DB



ORM

# Django ORM

<https://docs.djangoproject.com/en/5.0/topics/db/queries/>

# Intro to Dataclasses

```
@dataclass
class Student:
    name: str
    age: int
    sex: str
```

```
class Student:
    new *
    def __init__(self, name: str, age: int, sex: str):
        self.name = name
        self.age = age
        self.sex = sex
```

Same

# Relationships ?

```
@dataclass
class Student:
    name: str
    age: int
    sex: str
```

```
@dataclass
class Lesson:
    title: str
    date: date
```

```
@dataclass
class Teacher:
    name: str
```

Many to Many

Many to One

## Many to One

## One to One

```
@dataclass
class Student:
    name: str
    age: int
    sex: str
```

```
@dataclass
class Lesson:
    title: str
    date: date
```

```
@dataclass
class Teacher:
    name: str
```

## Relationships

Some code

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