
Apresentação Projeto Base de Dados

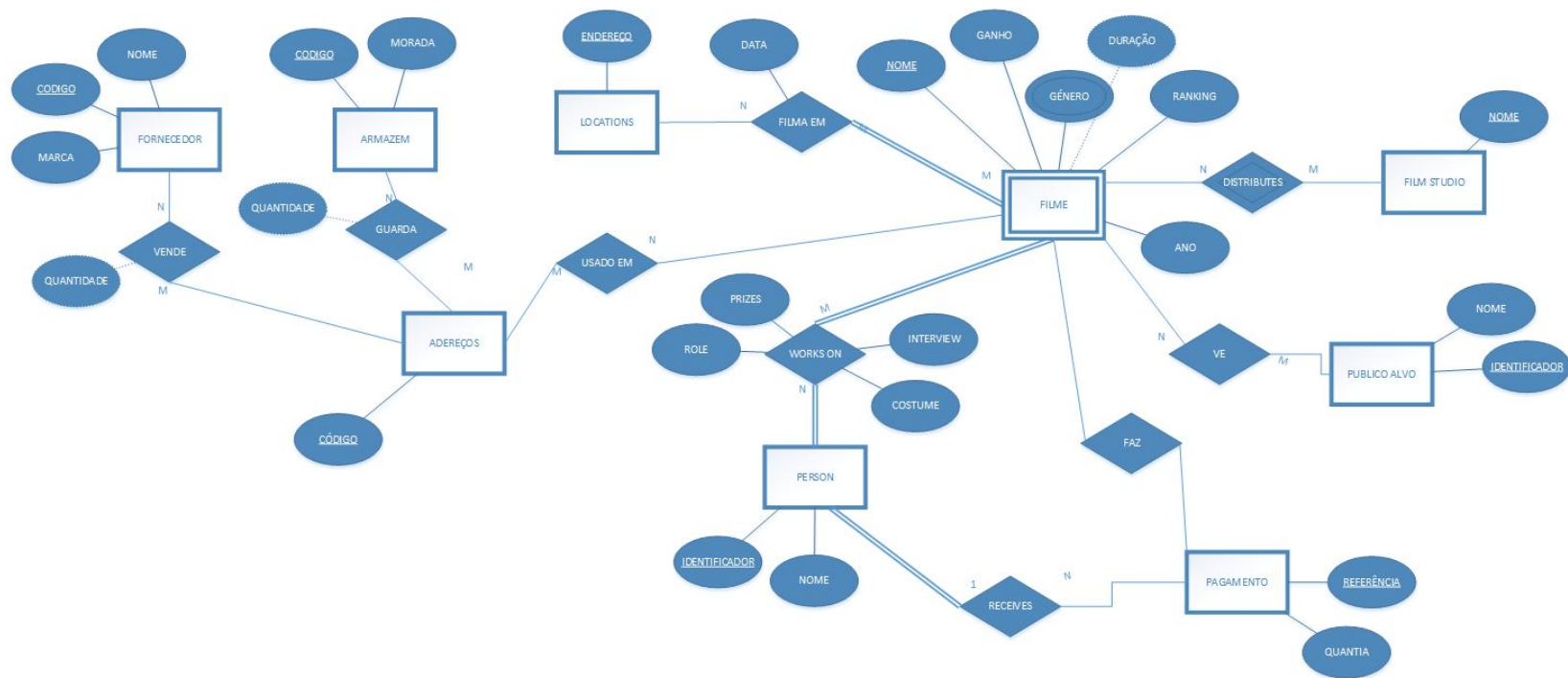
Base de Dados para Produção de Filme

Filipe Gonçalves, 98083
Tiago Matos, 98134

Introdução

- Base de Dados para guardar dados sobre filmes
- Dados como:
 - Adereços
 - Localizações
 - Atores
 - Pagamento

DER



ER

<https://github.com/tiagomrm/dbMovies/blob/master/Diagramas/MR.png>

SQL DDL

- Schema -> Projeto

```
CREATE SCHEMA Projeto;
```

- VARCHAR, INT, DATE, DECIMAL

```
CREATE TABLE Projeto.Filme (  
    StudioNome VARCHAR(256) FOREIGN KEY REFERENCES Projeto.FilmeStudio(Nome),  
    FilmeNome VARCHAR(256) NOT NULL DEFAULT 'UNKNOWN',  
    ID_Publico_Alvo INT FOREIGN KEY REFERENCES Projeto.PublicoAlvo(Identificador),  
    Duracao INT NOT NULL,  
    Ranking DECIMAL(3,1) CHECK (Ranking >= 0 AND Ranking <= 10) NOT NULL,  
    Ganho INT DEFAULT 10000000,  
    Ano DATE,
```

- UNIQUE, NOT NULL, CHECK, DEFAULT

SQL DML

- INSERT, UPDATE, SELECT DISTINCT

- JOIN, RENAMING, LIKE

- EXISTS, IS NOT NULL

```
IF EXISTS (SELECT Identificador FROM Projeto.Pessoa WHERE @nome = Nome)
BEGIN
    BEGIN TRANSACTION
        SELECT @ID = Identificador FROM Projeto.Pessoa WHERE @nome = Nome
        UPDATE Projeto.WorksOn SET Prizes = @prize
            WHERE @ID = Identificador AND FilmeNome = @filme AND StudioNome = @studio
        INSERT Projeto.Pagamento VALUES (@pay, @ID)
        SELECT @ID = IDENT_CURRENT('Projeto.Pagamento')
        INSERT Projeto.Faz VALUES (@ID, @filme, @studio)
    COMMIT
END
```

SQL Programming

- Stored Procedures.....8
- User Defined Functions.....14
- Cursors.....2
- Trigger.....1
- Indexes.....4
- View.....1
- Transactions em UDFs e em SPs
- Login

DEMO

LOGIN

Form2

SEE ACTOR OR MOVIE

Actors

Actors

Movies

LOGIN TO EDIT

Username

Password

Enter

OR

CLICK TO VIEW

View

DEMO

ACTOR EDIT

ActorView

<-

Search Actors by

Name

Name

Movie

Role

Prizes

Actors

100 -> To

101 -> Zendaya

102 -> Samuel L. Jackson

103 -> Jake Gyllenhaal

104 -> Robert Downey Jr.

105 -> Chris Pratt

106 -> Chris Evans

107 -> Chris Hemsworth

108 -> Scarlett Johansson

Name

Chris Pratt

Role

Secondary Actor - Star Lord

Payment

8000000

Prize

Id

105

Movies

Avengers: Infinity War, Marvel

Edit

Add

ACTOR VIEW

ActorView

<-

Search Actors by

Name

Name

Movie

Role

Prizes

Actors

100 -> To

101 -> Zendaya

102 -> Samuel L. Jackson

103 -> Jake Gyllenhaal

104 -> Robert Downey Jr.

105 -> Chris Pratt

106 -> Chris Evans

107 -> Chris Hemsworth

108 -> Scarlett Johansson

Name

Robert Downey Jr.

Role

Main Actor - IronMan

Payment

12000000

Prize

Id

104

Movies

Avengers: Endgame, Marvel

Avengers: Infinity War, Marvel

The Avengers, Marvel

DEMO

ACTOR EDIT

ActorView

Search Actors by
Name

Search

Actors

- 100 -> Tom Holland
- 101 -> Zendaya
- 102 -> Samuel L. Jackson
- 103 -> Jake Gyllenhaal
- 104 -> Robert Downey Jr.
- 105 -> Chris Pratt
- 106 -> Chris Evans**
- 107 -> Chris Hemsworth
- 108 -> Scarlett Johansson

Name
Chris Evans

Role
Main Actor - Captain America

Payment Prize Id
13000000 | | 106

Movies
Avengers Infinity War, Marvel
The Avengers, Marvel

OK Cancel

ACTOR ADD

ActorView

Search Actors by
Name

Search

Actors

- 100 -> Tom Holland
- 101 -> Zendaya
- 102 -> Samuel L. Jackson
- 103 -> Jake Gyllenhaal
- 104 -> Robert Downey Jr.
- 105 -> Chris Pratt**
- 106 -> Chris Evans
- 107 -> Chris Hemsworth
- 108 -> Scarlett Johansson

Name
Chris Pratt

Role
|

Payment Prize Id
| | | 105

Movies
Avengers: Endgame, Marvel
Avengers: Infinity War, Marvel
SPIDER-MAN: Far From Home, Marvel
The Avengers, Marvel

OK Cancel Add

DEMO

MOVIE EDIT

Form4

<-

Search Movies by

Actor

Title

Studio

Year

Actor

Genre

The Avengers, Marvel

Title

SPIDER-MAN: Far From Home

Studio

Marvel

Win

160000000

Budget

29521500

Duration

129

Ranking

7.5

Public

14+

Year

02/07/2019 00:

Locations

Hertfordshire - England

New York City - Unites State of America

Prague - Czech Republic

Actors

100 -> Tom Holland

101 -> Zendaya

102 -> Samuel L. Jackson

103 -> Jake Gyllenhaal

Genres

Action

Sci-Fi

Props

SpiderMan Suit

Mysterio Suit

SpaceShip

Tony Starks Glasses

Edit

Add

MOVIE VIEW

Form4

<-

Search Movies by

Title

Search

Movies

Avengers: Endgame, Marvel

Avengers: Infinity War, Marvel

SPIDER-MAN: Far From Home, Marvel

The Avengers, Marvel

Title

Avengers: Infinity War

Studio

Marvel

Win

2048000000

Budget

107079660

Duration

149

Ranking

8.7

Public

16+

Year

23/04/2018 00:

Locations

Atlanta - Unites State of America

Downtown Atlanta - Unites State of America

Glasgow - Scotland

New York City - Unites State of America

Queens - Unites State of America

Actors

100 -> Tom Holland

104 -> Robert Downey Jr.

105 -> Chris Pratt

106 -> Chris Evans

107 -> Chris Hemsworth

Genres

Action

Drama

Sci-Fi

Props

SpiderMan Suit

SpaceShip

Backpack

Infinity Gauntlet

IronMan Suit

DEMO

MOVIE EDIT

Form4

Search Movies by
Title

Movies

- Avengers: Endgame, Marvel
- Avengers: Infinity War, Marvel
- The Avengers, Marvel

Title
SPIDER-MAN: Far From Home

Studio
Marvel

Win
160000000

Budget
29521500

Duration
129

Ranking
7.5

Public
14+

Year
02/07/2019 00:00:00

Actors

- 100 -> Tom Holland
- 101 -> Zendaya
- 102 -> Samuel L. Jackson
- 103 -> Jake Gyllenhaal

Genres

- Action
- Sci-Fi

Locations

- Hertfordshire - England
- New York City - Unites State of America
- Prague - Czech Republic

Props

- SpiderMan Suit
- Mysterio Suit
- SpaceShip
- Tony Starks Glasses

OK Cancel

MOVIE ADD

Form4

Search Movies by
Title

Movies

- Avengers: Endgame, Marvel
- Avengers: Infinity War, Marvel
- The Avengers, Marvel

Title

Studio
Marvel

Win

Budget

Duration

Ranking

Public

Year

Actors

- 100 -> Tom Holland + Main Actor - SpiderMan
- 100 -> Tom Holland + Secondary Actor - SpiderMan
- 101 -> Zendaya + Secondary Actor - MJ
- 102 -> Samuel L. Jackson + Secondary Actor - Nick
- 103 -> Jake Gyllenhaal + Main Actor - Mysterio

Genres

- Action
- Drama
- Fantasy
- Sci-Fi

Locations

- Atlanta - Unites State of America + 04/01/2018 00:00:00
- Brooklyn - Unites State of America + 10/11/2017 00:00:00
- Downtown Atlanta - Unites State of America + 04/01/2018 00:00:00
- Dunham Cathedral - England + 21/09/2017 00:00:00
- Glasgow - Scotland + 21/09/2017 00:00:00

Location - Country + Date

Props

- Backpack + 10 + 3
- Captain America's Shield + 270 + 2
- Infinity Gauntlet + 140 + 2
- IronMan Suit + 300 + 1
- Mysterio Suit + 400 + 1

Name + Price + Quantity

OK Cancel