

Proyecto Final

Bases de Datos

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Taller de Desarrollo de Aplicaciones - Grupo A

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Tablas

usuarios

- id_usuario
- username
- password
- nombre
- edad
- genero

peliculas

- -
- titulo
- generoP
- clasificacion
- director
- actor_principal
- casa_productora
- duracion (minutos)
- año_publicacion

calificacion_peliculas

- id_usuario
- id_pelicula
- calificacion.

Tabla para datashell

- id_usuario
- edad
- drama
- accion
- animacion
- terror
- comedia

- G
- PG13
- R
- director
- actor_principal
- casa_productora
- duracion
- anio_publicacion
- calificacion (target)

Se obtiene con:

```
SELECT u.id_usuario,
       u.edad,
       p.id_peliculas,
       p.titulo,
       u.genero,
       p.drama,
       p.accion,
       p.animacion,
       p.terror,
       p.comedia,
       p.G,
       p.PG13,
       p.R,
       p.actor_principal,
       p.casa_productora,
       p.duracion,
       p.anio_publicacion,
       c.calificacion
FROM usuarios u LEFT JOIN calificacion_peliculas c USING (id_usuario)
LEFT JOIN peliculas p ON (p.id_peliculas=c.id_pelicula);
```

géneros: comedia, terror, acción, animación, drama

clasificación: G, PG, PG-13, R

Se usará MySQL para manejar las bases de datos

MySQL Scripts

```
CREATE TABLE usuarios(
    id_usuario int AUTO_INCREMENT PRIMARY KEY,
    username varchar(50) NOT NULL,
    password varchar(50) NOT NULL,
    nombre varchar(50) NOT NULL,
    edad int NOT NULL,
    genero ENUM('M', 'F', 'Otro')
) CHARSET=latin1;
```

```
CREATE TABLE peliculas(
```

```

        id_peliculas int AUTO_INCREMENT PRIMARY KEY,
        titulo varchar(50) NOT NULL,
        drama int NOT NULL,
        accion int NOT NULL,
        animacion int NOT NULL,
        terror int NOT NULL,
        comedia int NOT NULL,
        G tinyint(1),
        PG13 tinyint(1),
        R tinyint(1),
        director varchar(50) NOT NULL,
        actor_principal varchar(50),
        casa_productora varchar(50),
        duracion INT NOT NULL,
        anio_publicacion int NOT NULL
    ) CHARSET=latin1;

```

```

CREATE TABLE calificacion_peliculas(
    id_usuario int NOT NULL,
    id_pelicula int NOT NULL,
    calificacion int NOT NULL
) CHARSET=latin1;

```

```
mysql> SHOW TABLES;
```

```

+-----+
| Tables_in_tda |
+-----+
| calificacion_peliculas |
| peliculas |
| usuarios |
+-----+
3 rows in set (0.00 sec)

```

```
mysql> DESCRIBE usuarios;
```

| Field | Type | Null | Key | Default | Extra |
|------------|----------------------|------|-----|---------|----------------|
| id_usuario | int(11) | NO | PRI | NULL | auto_increment |
| username | varchar(50) | NO | | NULL | |
| password | varchar(50) | NO | | NULL | |
| nombre | varchar(50) | NO | | NULL | |
| edad | int(11) | NO | | NULL | |
| genero | enum('M','F','Otro') | YES | | NULL | |

```
6 rows in set (0.03 sec)
```

```
mysql> DESCRIBE peliculas;
```

| Field | Type | Null | Key | Default | Extra |
|------------------|-------------|------|-----|---------|----------------|
| id_peliculas | int(11) | NO | PRI | NULL | auto_increment |
| titulo | varchar(50) | NO | | NULL | |
| drama | int(11) | NO | | NULL | |
| accion | int(11) | NO | | NULL | |
| animacion | int(11) | NO | | NULL | |
| terror | int(11) | NO | | NULL | |
| comedia | int(11) | NO | | NULL | |
| G | tinyint(1) | YES | | NULL | |
| PG13 | tinyint(1) | YES | | NULL | |
| R | tinyint(1) | YES | | NULL | |
| director | varchar(50) | NO | | NULL | |
| actor_principal | varchar(50) | YES | | NULL | |
| casa_productora | varchar(50) | YES | | NULL | |
| duracion | int(11) | NO | | NULL | |
| anio_publicacion | int(11) | NO | | NULL | |

```
15 rows in set (0.01 sec)
```

```
mysql> DESCRIBE calificacion_peliculas;
```

| Field | Type | Null | Key | Default | Extra |
|--------------|---------|------|-----|---------|-------|
| id_usuario | int(11) | NO | | NULL | |
| id_pelicula | int(11) | NO | | NULL | |
| calificacion | int(11) | NO | | NULL | |

```
3 rows in set (0.01 sec)
```

```
mysql> use tda
Database changed
mysql> SELECT * FROM peliculas;
```

| id_peliculas | titulo | drama | accion | animacion | terror | comedia | G | PG13 | R | director | actor_principal | casa_productora | duracion | anio_publicacion |
|--------------|--|-------|--------|-----------|--------|---------|---|------|---|--------------------|-------------------|----------------------------|----------|------------------|
| 1 | Pulp Fiction | 85 | 75 | 0 | 5 | 5 | 0 | 0 | 1 | Quentin Tarantino | Samuel L. Jackson | A Band Apart | 154 | 1994 |
| 2 | Inglorious Bastard | 85 | 80 | 0 | 0 | 0 | 0 | 0 | 1 | Quentin Tarantino | Brad Pitt | Universal Pictures | 153 | 2009 |
| 3 | Toy Story | 20 | 10 | 100 | 10 | 70 | 1 | 0 | 0 | John Lasseter | Tom Hanks | Pixar | 81 | 1995 |
| 4 | The Good Dinosaur | 60 | 40 | 100 | 5 | 55 | 1 | 0 | 0 | Peter Sohn | Raymond Ochoa | Pixar | 95 | 2015 |
| 5 | The Conjuring | 80 | 10 | 10 | 95 | 0 | 0 | 0 | 1 | James Wan | Patrick Wilson | Safran Company | 112 | 2013 |
| 6 | A Nightmare on Elm Street | 55 | 15 | 0 | 100 | 0 | 0 | 0 | 1 | Wes Craven | Johnny Deep | New Line Cinema | 91 | 1984 |
| 7 | Wallace & Gromit: The Curse of the Were-Rabbit | 45 | 50 | 100 | 25 | 70 | 1 | 0 | 0 | Nick Park | Peter Sallis | DreamWorks Pictures | 85 | 2005 |
| 8 | Star Wars | 60 | 70 | 20 | 0 | 20 | 1 | 0 | 0 | George Lucas | Mark Hamill | Lucasfilm | 121 | 1997 |
| 9 | Grown Ups 2 | 10 | 10 | 5 | 0 | 80 | 0 | 1 | 0 | Dennis Dugan | Adam Sandler | Columbia Pictures | 101 | 2013 |
| 10 | Shrek 2 | 70 | 40 | 100 | 0 | 70 | 1 | 0 | 0 | Andrew Adamson | Mike Myers | Dreamworks | 93 | 2004 |
| 11 | Knives Out | 80 | 20 | 0 | 0 | 45 | 0 | 1 | 0 | Rian Johnson | Ana de Armas | FilmNation Entertainment | 130 | 2019 |
| 12 | Parasite | 90 | 30 | 0 | 50 | 0 | 0 | 0 | 1 | Bong Joong-ho | Song Kang-ho | Barunson E&A | 132 | 2019 |
| 13 | The Last Air Bender | 20 | 65 | 20 | 0 | 40 | 0 | 1 | 0 | M. Night Shyamalan | Noah Ringer | Nickelodeon Movies | 103 | 2010 |
| 14 | Jack Y Jill | 20 | 10 | 10 | 0 | 90 | 0 | 1 | 0 | Dennis Dugan | Adam Sandler | Columbia Pictures | 91 | 2011 |
| 15 | Avengers Endgame | 75 | 95 | 0 | 0 | 70 | 0 | 1 | 0 | J & A Russo | Robert Downey Jr. | Disney | 182 | 2019 |
| 16 | Joker | 90 | 75 | 0 | 50 | 0 | 0 | 0 | 1 | Todd Phillips | Joaquin Pheonix | Warner Brothers | 124 | 2019 |
| 17 | The Emoji Movie | 30 | 75 | 95 | 0 | 90 | 1 | 0 | 0 | Tony Leondis | T.J Miller | Sony Pictures Animations | 90 | 2017 |
| 18 | Grown Ups | 50 | 0 | 0 | 0 | 95 | 0 | 1 | 0 | Dennis Dugan | Adam Sandler | Columbia Pictures | 102 | 2010 |
| 19 | Annabelle | 70 | 50 | 0 | 95 | 0 | 0 | 1 | 0 | John R. Leonetti | Annabelle Wallis | Atomic Monster Productions | 99 | 2014 |
| 20 | Los Increibles | 50 | 95 | 95 | 0 | 60 | 1 | 0 | 0 | Brad Bird | Holly Hunter | Pixar | 116 | 2004 |

20 rows in set (0.02 sec)

```
mysql> SELECT * FROM usuarios
-> ;
```

| id_usuario | username | password | nombre | edad | genero |
|------------|-----------|-----------------|----------|------|--------|
| 1 | maudg00 | hola123 | Mauricio | 20 | M |
| 2 | berny99gr | escuelahorror | Bernardo | 21 | M |
| 3 | ftapia | thebestpassword | Fernando | 21 | M |
| 4 | cesarin | holatienen10 | Cesar | 27 | M |
| 5 | kirspirs | hola123 | Kirya | 20 | F |

5 rows in set (0.00 sec)

```
mysql> SELECT * FROM calificacion_peliculas;
```

| id_usuario | id_pelicula | calificacion |
|------------|-------------|--------------|
| 1 | 15 | 4 |
| 1 | 16 | 5 |
| 1 | 17 | 1 |
| 1 | 18 | 2 |
| 1 | 19 | 2 |
| 1 | 13 | 1 |
| 2 | 10 | 5 |
| 2 | 11 | 4 |
| 2 | 12 | 5 |
| 2 | 13 | 1 |
| 2 | 14 | 1 |
| 3 | 1 | 5 |
| 3 | 2 | 5 |
| 3 | 3 | 4 |
| 3 | 4 | 1 |
| 3 | 5 | 3 |
| 3 | 6 | 4 |
| 3 | 7 | 5 |
| 3 | 8 | 4 |
| 3 | 9 | 1 |
| 3 | 10 | 4 |
| 3 | 13 | 1 |
| 3 | 15 | 4 |
| 3 | 16 | 5 |
| 3 | 17 | 1 |
| 3 | 18 | 1 |
| 3 | 20 | 4 |
| 1 | 1 | 4 |
| 1 | 12 | 4 |
| 4 | 21 | 5 |
| 4 | 3 | 5 |
| 4 | 10 | 5 |
| 4 | 15 | 5 |
| 1 | 21 | 5 |
| 1 | 20 | 5 |
| 1 | 3 | 4 |
| 1 | 10 | 5 |

37 rows in set (0.00 sec)