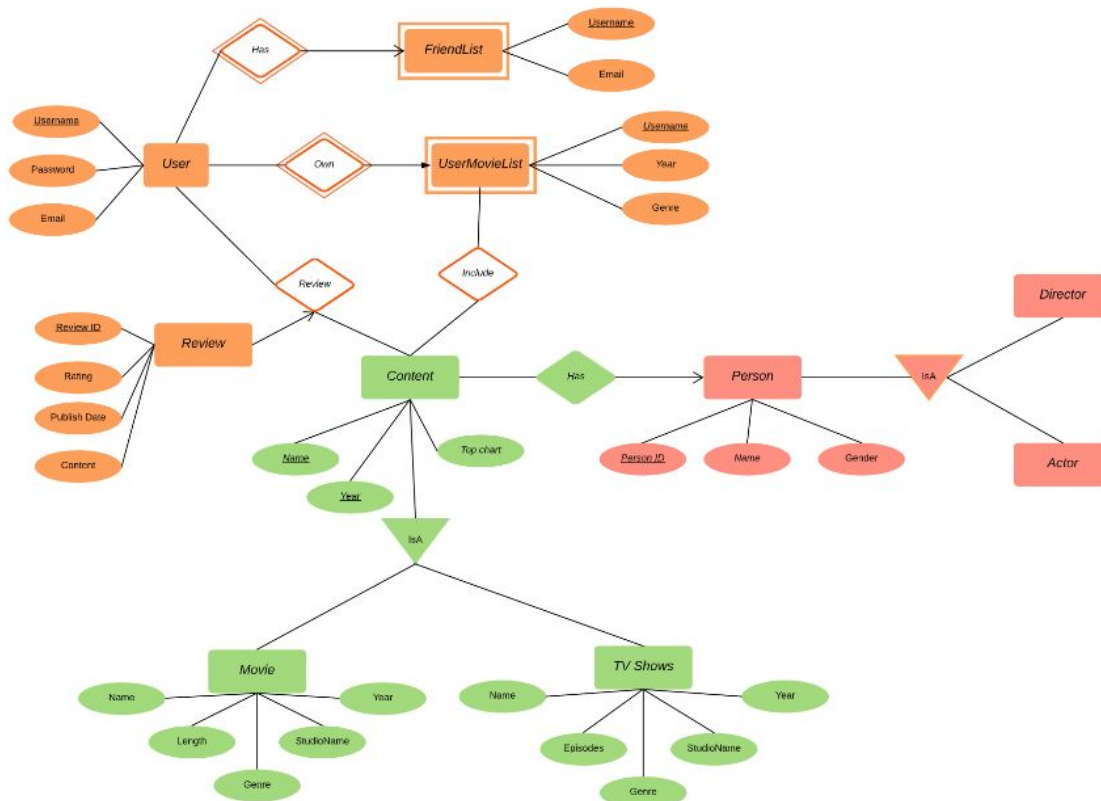


Project Design Revision

Team 33

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MyMovieList ERD



Entity

1. User : The entity for all registered users.
2. FriendList: Each user has a friend list. User can share movie or TV shows to their friends.
3. UserMovieList: This is the movie list that user creates.
4. Content: This entity includes Movie and TV shows.
5. Movie: The entity for each individual movie.

6. TV Shows: The entity for each individual TV show.
7. Review: The entity for the reviews that users give to a movie or TV show.
8. Person: The entity for the people who participate in the Movie/ TV show.
9. Actor/Director: Sub class for person.

Attributes

User:

- Username: It is a PRIMARY KEY, and it is used to uniquely identify the user and create an account for the web application.
- Password: Is authentication attribute for web application.
- Email: It is user's email for contact information.

UserMovieList

- Name: Name of a movie
- Year: release date/year of the movie
- Genre: Genre of the movie

FriendList

- Username: Used to identify a friend
- Email: Used to contact friend

Content

- Name: (Unique Key) it is the name of a movie
- Year: (Unique Key) it is the year it was released
- Top chart: It is the most popular movie chart.

Movie

- Length: length of a movie in minutes
- Genre: Genre of a movie
- StudioName: Name of a film studio or a company

TV Shows

- Episodes: List of Episodes of a TV show
- Genre: Genre of the TV show
- StudioName: Name of a film studio or a company

Person:

- Name: (Unique) name of a person
- Address: (Unique) Address of a person
- Gender: the gender of a person

Dependencies

- FriendList depends on the user.
- The existence of UserMovieList depends if the user has watched movies.

Relationships

- Own - refers to an entity (UserMovieList) being changeable by the User.
- Has - refers to the User having one or more friends in FriendList.

- Review - User has the ability to review Content.
- Include - refers to UserMovieList has a part of Content.
- Directed by - refers to the movies being directed by a Person (Director).

Constraints

- Password: password in User must have alphabets and numeric values.
- Email: must have a char '@' in the email
- Year: must be four digits long

ISA, Weak Entity Sets, and Multi-way relationship

- Movies and TV shows are some Content (isa).
- Actors and Directors are People (isa).
- UserMovieList must only exist when it is created by the User. UserMovieList is Uniquely identified by username in User. (Weak Entity Set).
- FriendList is uniquely identified by the User, it does not have a Primary key of its own. FriendList should not exist without the User (Weak Entity Set).
- There is a multi-way relationship between Content, User, and UserMovieList.

Screenshot

User

```
mysql> use cs157a;
Database changed
mysql> select * from User;
```

Username	Password	Email
aarronzhang	jimm123	aarronzhang@yahoo.com
amicolon	colon1995	colon1995@yahoo.com
billrussul	1313234	billrussule@gmail.com
fayebeech	faye1992	faye1992@yahoo.com
gordonbrookes	brookes	brookes123@gmail.com
huangshan	45646	huangshan@gmail.com
indiabryant	asfdhasf234	indiabryant@yahoo.com
ivy.ye	1999595	ivy.ye@yahoo.com
jiaweizhang	1231231	jiawei.zhang@yahoo.com
jimmyzhang95	123456	jimmyzhang95@yahoo.com
joclayton	clay213	joclaton@gmail.com
justinbieber	456746	justinbieber@gmail.com
ryanchen	1231231	460509509@qq.com
zhang199595	12314634	zhang199595@yahoo.com
zhangwei	345345	zhangwei@gmail.com

```
15 rows in set (0.00 sec)

mysql>
```

Review

```
15 rows in set (0.00 sec)

mysql> select * from review;
+-----+-----+-----+
| Review_ID | Rating | Publish_Date |
+-----+-----+-----+
| 1         | 4      | 2019-10-14   |
| 10        | 3      | 2019-10-14   |
| 11        | 4      | 2019-10-14   |
| 12        | 4      | 2019-10-14   |
| 13        | 4      | 2019-10-14   |
| 14        | 1      | 2019-10-14   |
| 15        | 5      | 2019-10-14   |
| 2         | 4      | 2019-10-14   |
| 3         | 2      | 2019-10-14   |
| 4         | 5      | 2019-10-14   |
| 5         | 1      | 2019-10-14   |
| 6         | 3      | 2019-10-14   |
| 7         | 4      | 2019-10-14   |
| 8         | 5      | 2019-10-14   |
| 9         | 2      | 2019-10-14   |
+-----+-----+-----+
15 rows in set (0.00 sec)

mysql>
```

Person

```

15 rows in set (0.00 sec)

mysql> select * from person;
+-----+-----+-----+
| Person_ID | Name           | Gender |
+-----+-----+-----+
| 1         | Jiawei Zhang   | Male   |
| 10        | Jenna Petty    | Male   |
| 11        | Niam Rosales   | Male   |
| 12        | Felicity Montes | Male   |
| 13        | Beck Daniels   | Male   |
| 14        | Marcie Sadler  | Male   |
| 15        | Neelam Fernandez | Male   |
| 2         | Shaunna Delacruz | Male   |
| 3         | Akshay McCormick | Male   |
| 4         | Monty O'Connor | Male   |
| 5         | Alishba Petersen | Male   |
| 6         | Leon Garcia    | Male   |
| 7         | Clodagh Tait   | Male   |
| 8         | Stacie Cope    | Male   |
| 9         | Shelby Mathis  | Male   |
+-----+-----+-----+
15 rows in set (0.00 sec)

mysql>

```

UserMovieList

```

mysql> select * from usermovielist;
+-----+-----+-----+
| Username | Year      | Genre |
+-----+-----+-----+
| huangshan | 2019-10-14 | Drama |
| jim123    | 2019-10-14 | Drama |
| jimmyzhang | 2019-10-14 | Comedy |
| justinbieber | 2019-10-14 | Action |
| ryan123    | 2019-10-14 | Drama |
| tomlee     | 2019-10-14 | Drama |
| xuhangyuan | 2019-10-14 | War   |
| zhang199595 | 2019-10-14 | Comedy |
| zhou9595   | 2019-10-10 | Action |
+-----+-----+-----+
9 rows in set (0.00 sec)

```

FriendList

```
mysql> select * from friendlist;
```

Username	Email
amicolon	amicolon@qq.com
huangshan	460509509@qq.com
jimmy123	jimmyzhang95@gmail.com
jimmyzhang	ivy.ye@gmail.com
justinbieber	justinbieber@qq.com
ryan123	ryan123@qq.com
tomlee	tomlee@qq.com
xuhangyuan	xuhangyuan@qq.com
zhang199595	zhang199595@qq.com
zhang92	zhang92@qq.com
zhangwei	zhangwei@gmail.com
zhangyanzhou	zhangyanzhou@qq.com
zhou9595	zhou9595@qq.com
zhouyiyi	zhouyiyi@qq.com

```
14 rows in set (0.00 sec)

mysql>
```

Movie

```
14 rows in set (0.00 sec)

mysql> select * from movie;
```

Name	Length	Genre	StudioName
The Godfather	2:16:12	Documentary	test studtio
Avengers: Endgame	3:02:13	Fantasy	Marvel
Joker	2:02:12	Drama	test studtio
Black Panther	2:15	Sci-fi	test studtio
Coco	1:49:12	Fantasy	test studtio
Star wars	2:15:12	Sci-Fi	test studtio
Jurassic Park	2:07:12	Fantasy	test studtio
Toy Story 3	1:48:12	Fantasy	test studtio
Mission Impossible	2:28:12	Action	test studtio
The Avengers	2:23:12	Fantasy	test studtio
Toy Story 4	2:16:12	Fantasy	test studtio
The Lord of Ring	3:20:12	Fantasy	test studtio
Wonder Woman	2:29:12	Sci-fi	test studtio
Apocalypse Now	2:45:12	Horror	test studtio
2001; A Space Odyssey	2:44:12	Fantasy	test studtio

```
15 rows in set (0.00 sec)

mysql>
```

Tv_shows

15 rows in set (0.00 sec)

mysql> select * from tv_shows;

Name	Episodes	StudioName
Game of Thrones	S2E2	test studio
Breaking bad	S1E2	test studio
The Good Place	S2E2	test studio
Mad Men	S3E1	test studio
Saturday Night Live	S3E1	test studio
The Office	S1E2	test studio
The Walking Dead	S3E6	test studio
BoJack Horseman	S3E1	test studio
Friends	S2E2	test studio
The Sopranos	S1E1	test studio
Seinfeld	S1E3	test studio
Orange Is the New Black	S1E1	test studio
Mindhunter	S3E1	test studio
The Simpsons	S3E2	test studio
Black Mirror	2SE2	test studio

15 rows in set (0.00 sec)

mysql> |