TASK A:

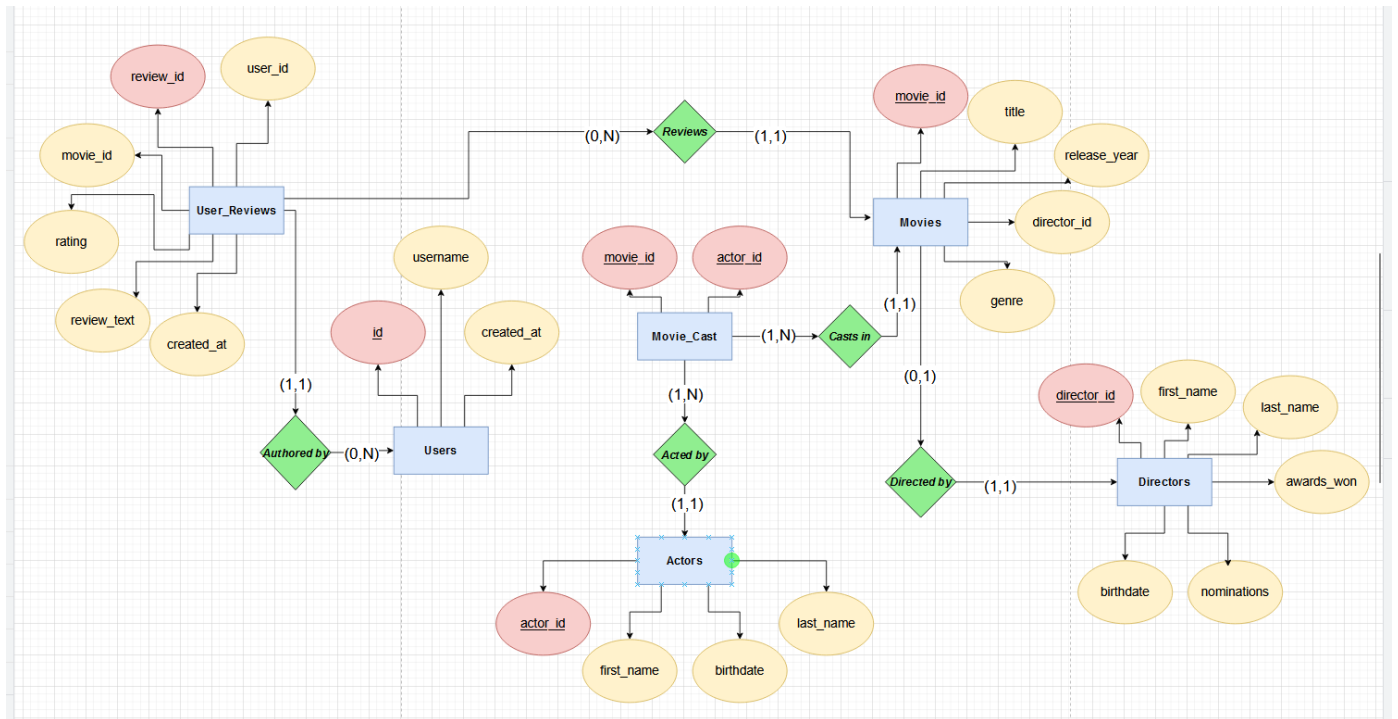

TASK B:

Movies Table:
    Attributes:
        movie_id (Primary Key)
        title
        release_year
        director_id (Foreign Key)
        genre

    Attribute Descriptions:
        movie_id: Unique identifier for each movie.
        title: Title of the movie.
        release_year: Year the movie was released.
        director_id: Foreign key referencing the directors table, linking to the director of the movie.
        genre: Genre column.

    Default Values:
        genre: n/a

    Null:
        title: Cannot be null.
        release_year: Can be null.
        director_id: Can be null.
        genre: Can be null.

    Foreign Key Action on Deletion:
        director_id: set to null.

Actors Table:

Attributes:
  actor_id (Primary Key)
  first_name
  last_name
  birthdate

Attribute Descriptions:
  actor_id: Unique identifier for each actor.
  first_name: First name of the actor.
  last_name: Last name of the actor.
  birthdate: Birthdate of the actor.

Default Values:
  None

Null:
  first_name: Cannot be null.
  last_name: Cannot be null.
  birthdate: Can be null.

Directors Table:

Attributes:
  director_id (Primary Key)
  first_name
  last_name
  birthdate

Attribute Descriptions:
  director_id: Unique identifier for each director.
  first_name: First name of the director.
  last_name: Last name of the director.
  birthdate: Birthdate of the director.

Default Values:
  None

Null:
  first_name: Cannot be null.
  last_name: Cannot be null.
  birthdate: Can be null.

Movie_Cast Table:

Attributes:
  movie_id (Foreign Key)
  actor_id (Foreign Key)

Attribute Descriptions:
  movie_id: Foreign key referencing the movies table, linking to the movie in which an actor is cast.
  actor_id: Foreign key referencing the actors table, linking to the actor who is cast in a movie.

Default Values:
  None

Null:
  movie_id: Cannot be null.
  actor_id: Cannot be null.

Foreign Key Action on Deletion:
    movie_id: cascade delete
    actor_id: cascade delete

User_Reviews Table:

Attributes:
    review_id (Primary Key)
    user_id (Foreign Key)
    movie_id (Foreign Key)
    rating
    review_text
    created_at

Attribute Descriptions:
    review_id: Unique identifier for each review.
    user_id: Foreign key referencing the users table, linking to the user who wrote the review.
    movie_id: Foreign key referencing the movies table, linking to the movie being reviewed.
    rating: Decimal value representing the user's rating for the movie.
    review_text: Text containing the review written by the user.
    created_at: Timestamp indicating when the review was created.

Default Values:
    rating: 0

Null:
    user_id: Cannot be null.
    movie_id: Cannot be null.
    rating: Can be null.
    review_text: Can be null.
    created_at: Can be null.

Foreign Key Action on Deletion:
    user_id: cascade delete
    movie_id: cascade delete

Users Table:

Attributes:
    id (Primary Key)
    username
    role
    created_at

Attribute Descriptions:
    id: Unique identifier for each user.
    username: User's username.
    role: User's role.
    created_at: Timestamp indicating when the user account was created.

Default Values:
    None

Null:
    username: Cannot be null.
    role: Can be null.
    created_at: Can be null.

users

id	username	created_at

movies

movie_id	title	release_year	director_id	genre

directors

director_id	first_name	last_name	awards_won	nominations	birthdate

user_reviews

review_id	user_id	movie_id	rating	review_text	created_at

actors

actor_id	first_name	last_name	birthdate

movie_cast

movie_id	actor_id