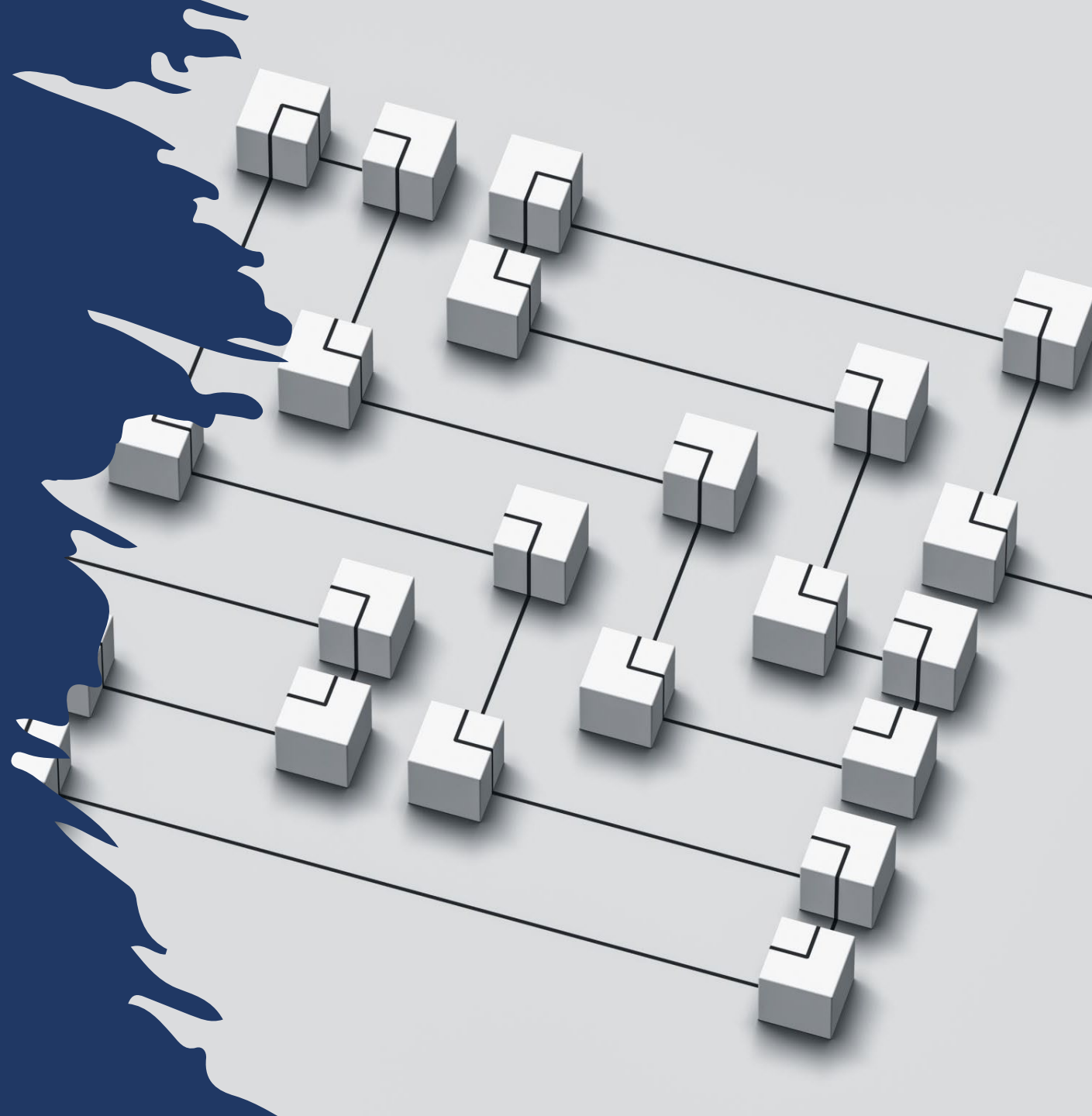# Fiction Profile

Project Overview &
ER Diagram Presentation

# Meet Our Team

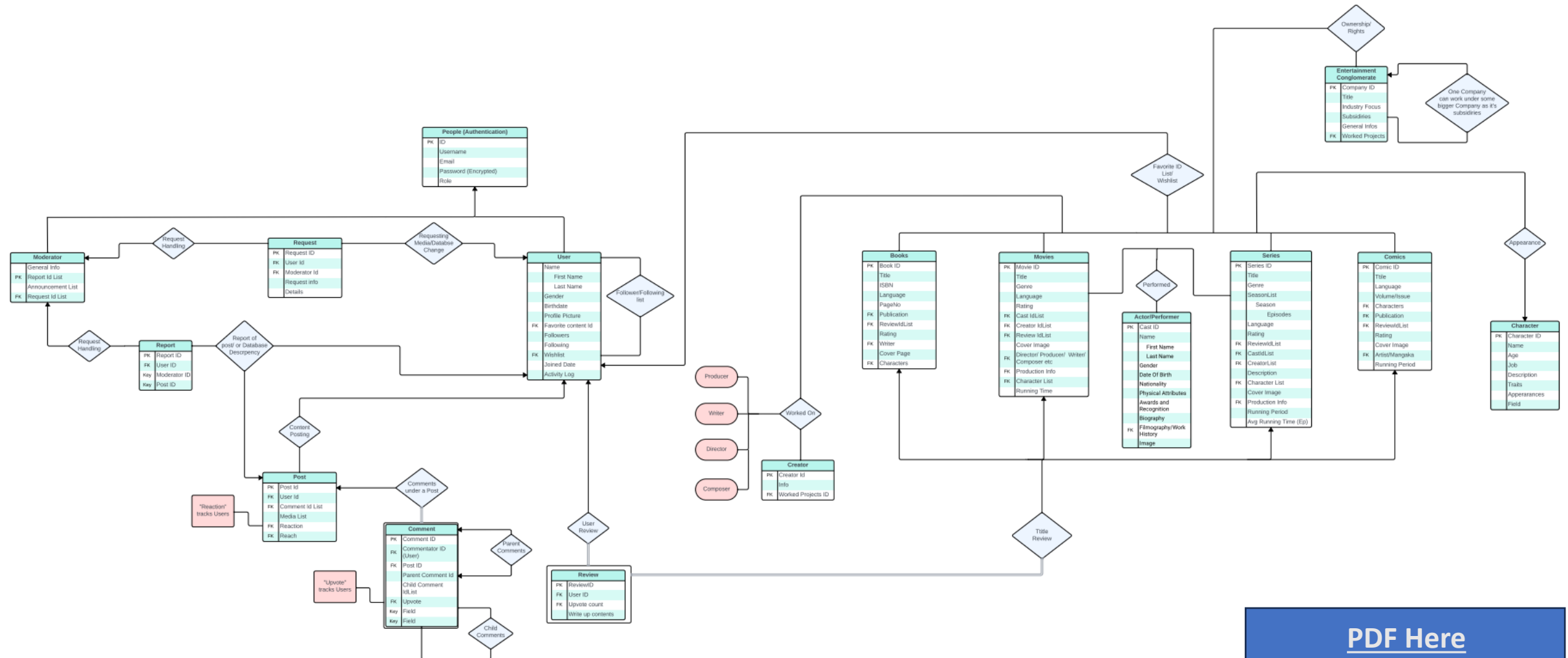Shah Mohammad Abdul Mannan
ID: 2105056

Dipit Saha
ID: 2105050

# Project Overview

Our project, titled "Fiction Profile," is a dynamic platform designed for users to engage with diverse media content including books, fiction, series, and movies. It offers a vast user experience allowing interaction based on preferences in Cast, Rating, Language, and Genre. Users can access content using Favorite Content ID, Language, and Title parameters, ensuring seamless content exploration.

The platform also supports complex queries, empowering users to filter fiction by genre, sort by ratings, and easily identify creator IDs, enhancing the depth of user engagement.

# ER Diagram

# One-to-One Relationships

Request, Review, Post, Report, Comment to User

User-Request, Report to Admin

Review to Books, Movies, Series

Comment to Post

Book/Series/Movie to User
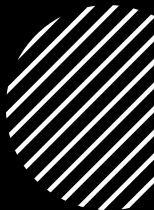
# One-to-Many Relationships

User, Post to Comment

Books, Movies, Series to Ratings, Reviews

User to Request, Review, Post, Report, Comment

User to favorites (Books, Movies, Series)

# Many-to-Many Relationships

User to User through Followers, Following

Content to Content through Genre, Language, Ratings, Cast, Creator

Content to Cast

Content to Creator

# User Entity

- Represents individuals registered within the platform.

- Contains essential details like UserID, Username, Email, and Password.

- Facilitates user authentication and personalization.

- Enables social interactions, content preferences, and engagement.

**People (Authentication)**

| PK | ID |
| --- | --- |
| | Username |
| | Email |
| | Password (Encrypted) |
| | Role |

**User**

| | Name |
| --- | --- |
| | First Name |
| | Last Name |
| | Gender |
| | Birthdate |
| | Profile Picture |
| FK | Favorite content Id |
| | Followers |
| | Following |
| FK | Wishlist |
| | Joined Date |
| | Activity Log |

# Movies Entity Set

- The Movie entity set encompasses key details and attributes related to films. It includes fields such as Movie ID, Title, Genre, Release Date, Director, Cast, Rating, Language, and Description.

- These attributes encapsulate essential information about each movie, including its genre, release details, notable cast and crew, viewer ratings, and a brief overview of the movie's plot or theme.

| | Movies |
|---|---|
| PK | Movie ID |
| | Title |
| | Genre |
| | Language |
| | Rating |
| FK | Cast IdList |
| FK | Creator IdList |
| FK | Review IdList |
| | Cover Image |
| FK | Director/ Producer/ Writer/ Composer etc |
| FK | Production Info |
| FK | Character List |
| | Running Time |

# Series Entity Set

- The Series entity set represents serialized content, typically TV series or shows. It comprises attributes such as Series ID, Title, Genre, Release Date, Director, Cast, Rating, Language, and Description.

- Similar to movies, these attributes offer crucial details about TV series, including their genre, release specifics, directorial information, cast members, audience ratings, and a brief summary of the series' premise or storyline.

| | Series |
|---|---|
| PK | Series ID |
| | Title |
| | Genre |
| | SeasonList |
| | Season |
| | Episodes |
| | Language |
| | Rating |
| FK | ReviewIdList |
| FK | CastIdList |
| FK | CreatorList |
| | Description |
| FK | Character List |
| | Cover Image |
| FK | Production Info |
| | Running Period |
| | Avg Running Time (Ep) |

# Book
# Entity Set

- Represents individual books within the platform.

- Attributes include BookID, Title, Author, Genre, Publication Date, Language, and Description.

- Stores vital book details like author information, genre categorization, publication specifics, and a brief overview of the book's content.

- Enables users to explore, engage with, and review books based on diverse preferences.

| | Books |
|-----|------------------|
| PK | Book ID |
| | Title |
| | ISBN |
| | Language |
| | PageNo |
| FK | Publication |
| FK | ReviewIdList |
| | Rating |
| FK | Writer |
| | Cover Page |
| FK | Characters |

# Comics Entity Set

- Represents comic books or graphic novels in the database.
- Attributes include ComicID, Title, Artist/Writer, Genre, Release Date, Language, and Synopsis.
- Stores details such as artist/writer information, genre classification, release specifics, and a brief summary of the comic's storyline.
- Facilitates user exploration, interaction, and review of comics based on varied preferences.

| | Comics |
|------|--------------|
| PK | Comic ID |
| | Ttile |
| | Genre |
| | Language |
| | Volume/Issue |
| FK | Characters |
| FK | Publication |
| FK | ReviewIdList |
| | Rating |
| | Cover Image |
| FK | Artist/Mangaka |
| | Running Period |

# Actor/Performer Entity Set

- Represents individuals involved in performances.
- Attributes: ActorID, Name, Date of Birth, Nationality, Bio.
- Stores details such as birthdate, nationality, and a brief biography of the performer.
- Links performers to movies, series, or other productions for association and categorization purposes.

| Actor/Performer | |
| --- | --- |
| PK | Cast ID |
| | Name |
| | First Name |
| | Last Name |
| | Gender |
| | Date Of Birth |
| | Nationality |
| | Physical Attributes |
| | Awards and Recognition |
| | Biography |
| FK | Filmography/Work History |
| | Image |

# Character Entity Set

- Represents personas or roles within media content.
- Attributes: CharacterID, Name, Description, Origin.
- Contains details like character names, descriptions, and origins.
- Associates characters with specific books, movies, series, or comics for identification and categorization purposes.

| Character | |
|---|---|
| PK | Character ID |
| | Name |
| | Age |
| | Job |
| | Description |
| | Traits |
| | Apperarances |
| | Field |

# Authentication Process

Incorporates a generalization relationship for user access, where individuals signing in are classified into two distinct roles: "Users" and "Moderators," based on their provided username and password credentials.

This hierarchical structure ensures that users enjoy personalized interactions with their preferred content, while moderators, equipped with additional privileges, can effectively manage requests, reports, and content moderation
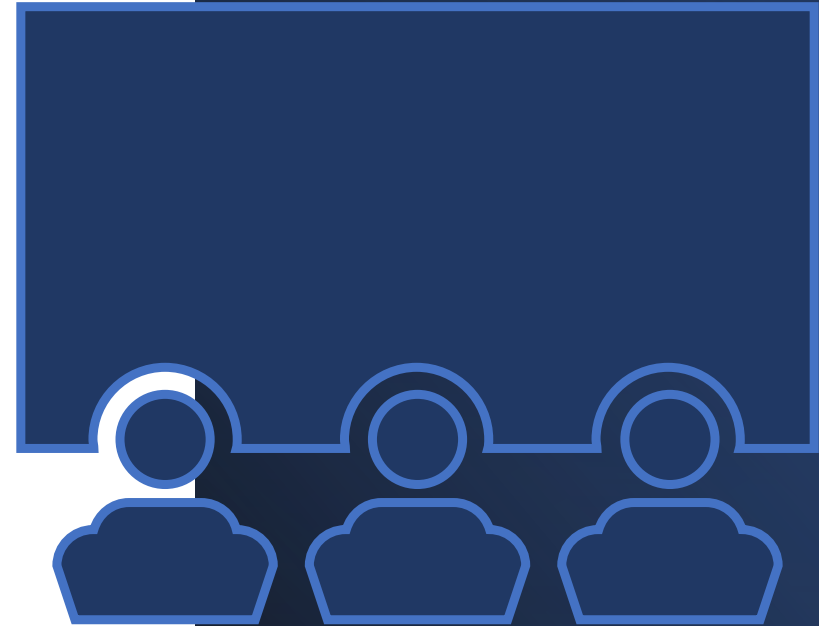
| People (Authentication) | |
|---|---|
| PK | ID |
| | Username |
| | Email |
| | Password (Encrypted) |
| | Role |

| Moderator | |
|---|---|
| | General Info |
| PK | Report Id List |
| | Announcement List |
| FK | Request Id List |

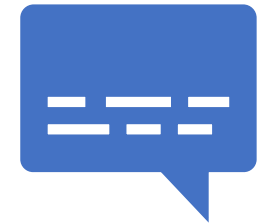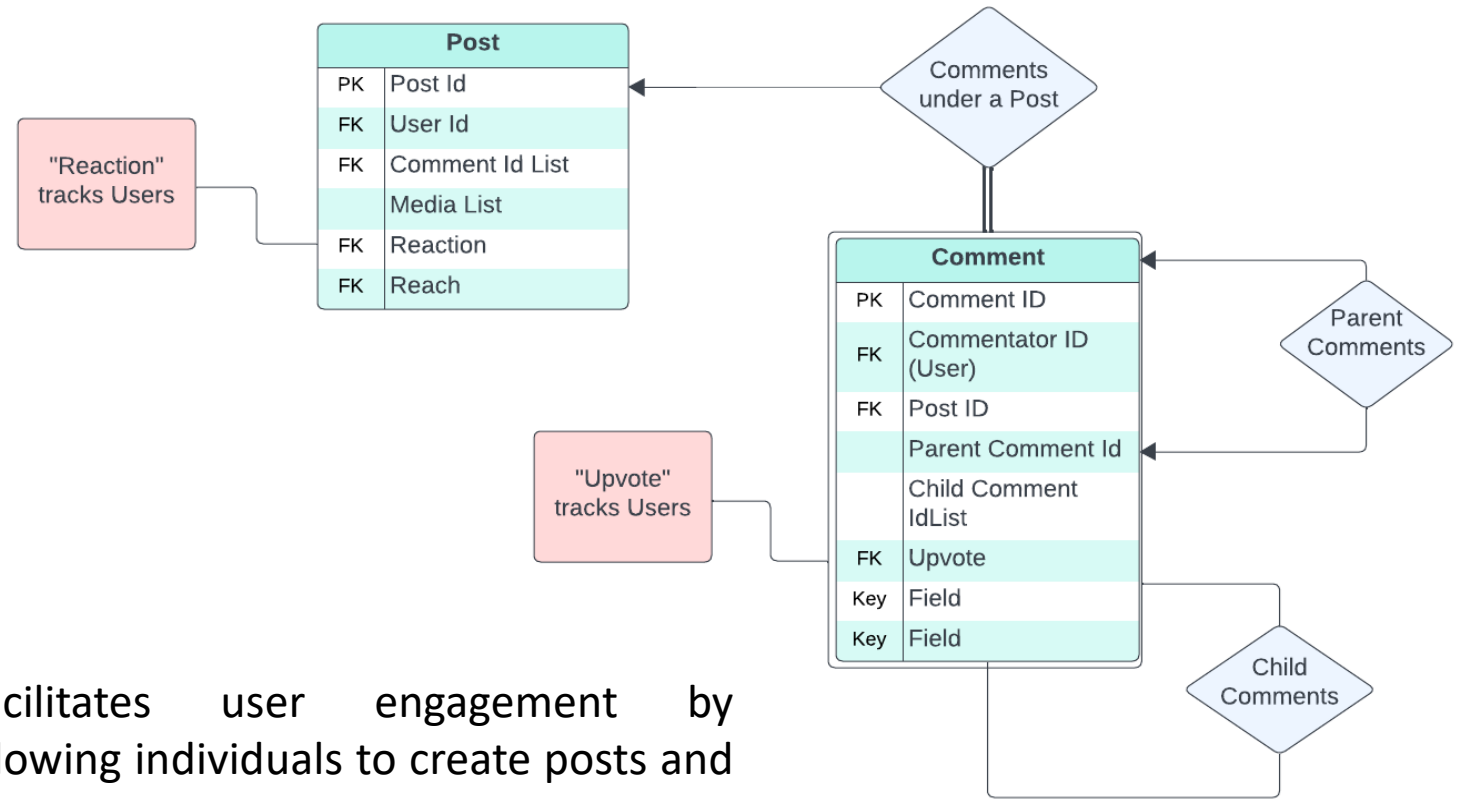| User | |
|---|---|
| | Name |
| | First Name |
| | Last Name |
| | Gender |
| | Birthdate |
| | Profile Picture |
| FK | Favorite content Id |
| | Followers |
| | Following |
| FK | Wishlist |
| | Joined Date |
| | Activity Log |

# User Interaction:

- Users can engage with books, fiction, series, and movies based on Cast, Rating, Language, and Genre preferences.
  - Access to items is facilitated via Favorite Content ID, Language, and Title, allowing for versatile access to content.
  - Complex queries are supported, enabling users to filter fiction by genre, then further sort by ratings and identify the creator ID.
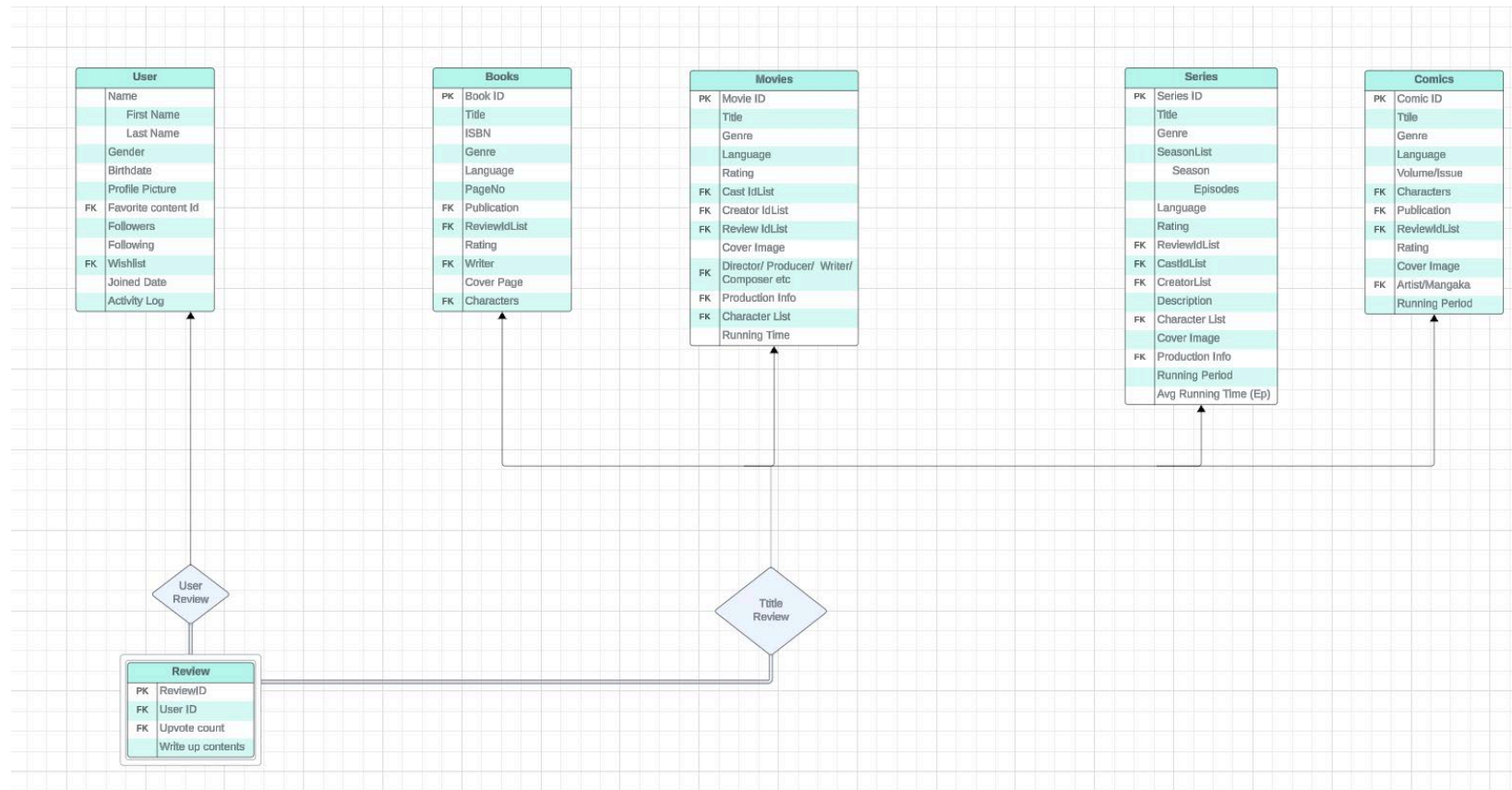
# Post - Comments

- Facilitates user engagement by allowing individuals to create posts and share their thoughts on various content.

- The relational structure ensures that users can view and comment on posts, with the added capability of nesting comments in a graphical structure.

- Promotes interactive discussions and a dynamic community experience.

**Post**

| | |
|---|---|
| PK | Post Id |
| FK | User Id |
| FK | Comment Id List |
| | Media List |
| FK | Reaction |
| FK | Reach |

"Reaction" tracks Users

Comments under a Post

**Comment**

| | |
|---|---|
| PK | Comment ID |
| FK | Commentator ID (User) |
| FK | Post ID |
| | Parent Comment Id |
| | Child Comment IdList |
| FK | Upvote |
| Key | Field |
| Key | Field |

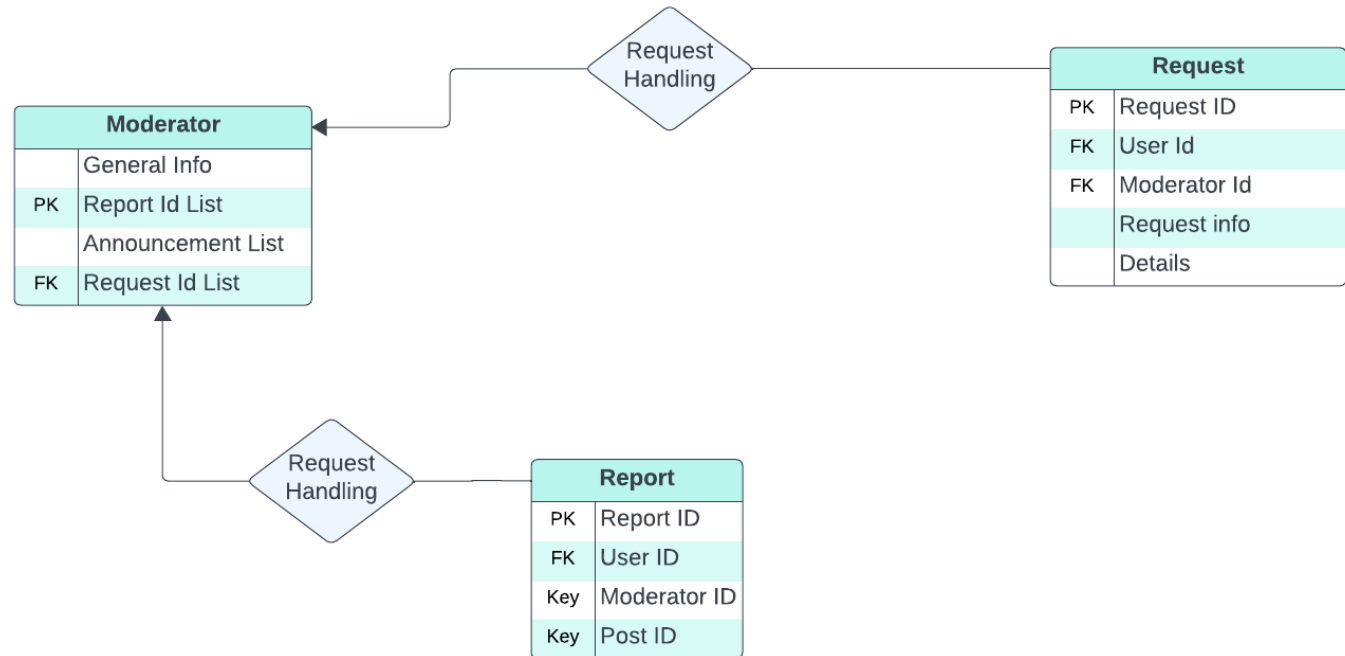"Upvote" tracks Users

Parent Comments

Child Comments

# Review/Ratings

- The "Review, Ratings" relationship among all fictions in various media types, including movies, comics, books, and series allows users to contribute reviews and ratings across diverse content. Users have the flexibility to express their opinions on movies, series, books, and comics, contributing to a comprehensive and collective evaluation system.
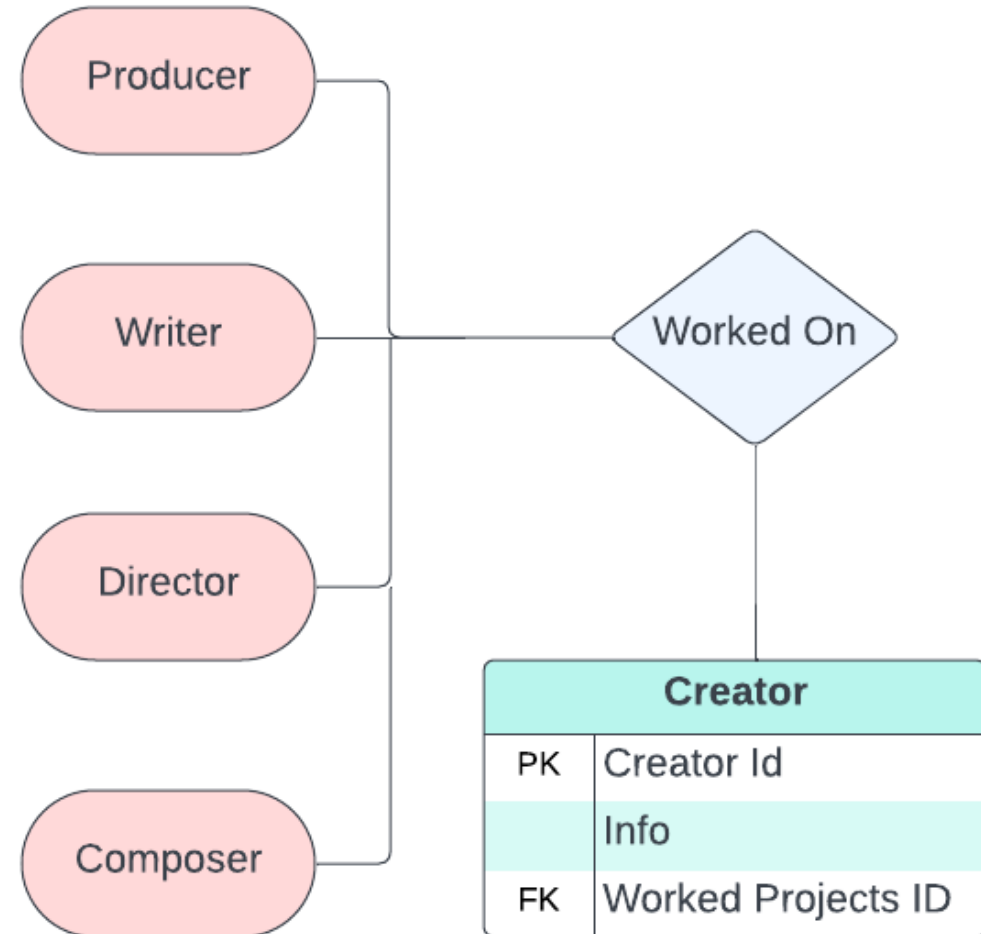
# Moderator-Request/Report Handling

• Plays a crucial role in managing user interactions. This entity establishes relationships with both the "User" and "Fiction" entities, allowing moderators to efficiently handle user-generated requests and reports related to various functions on the platform.
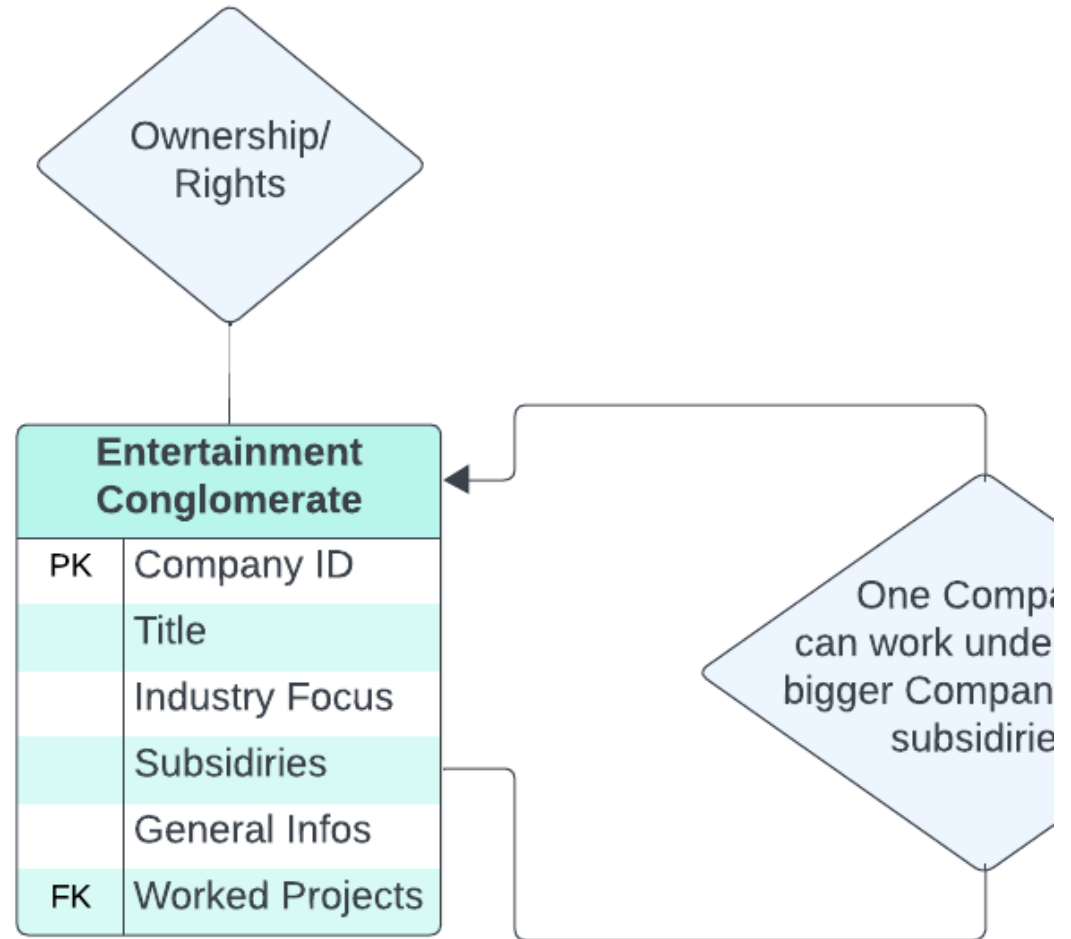
# Creator

- This entity establishes connections with various fictions, linking creators to the content they have contributed to.

- Users can utilize the global search functionality to explore and search for creators, facilitating easy access to a creator's body of work across movies, series, books, and comics.
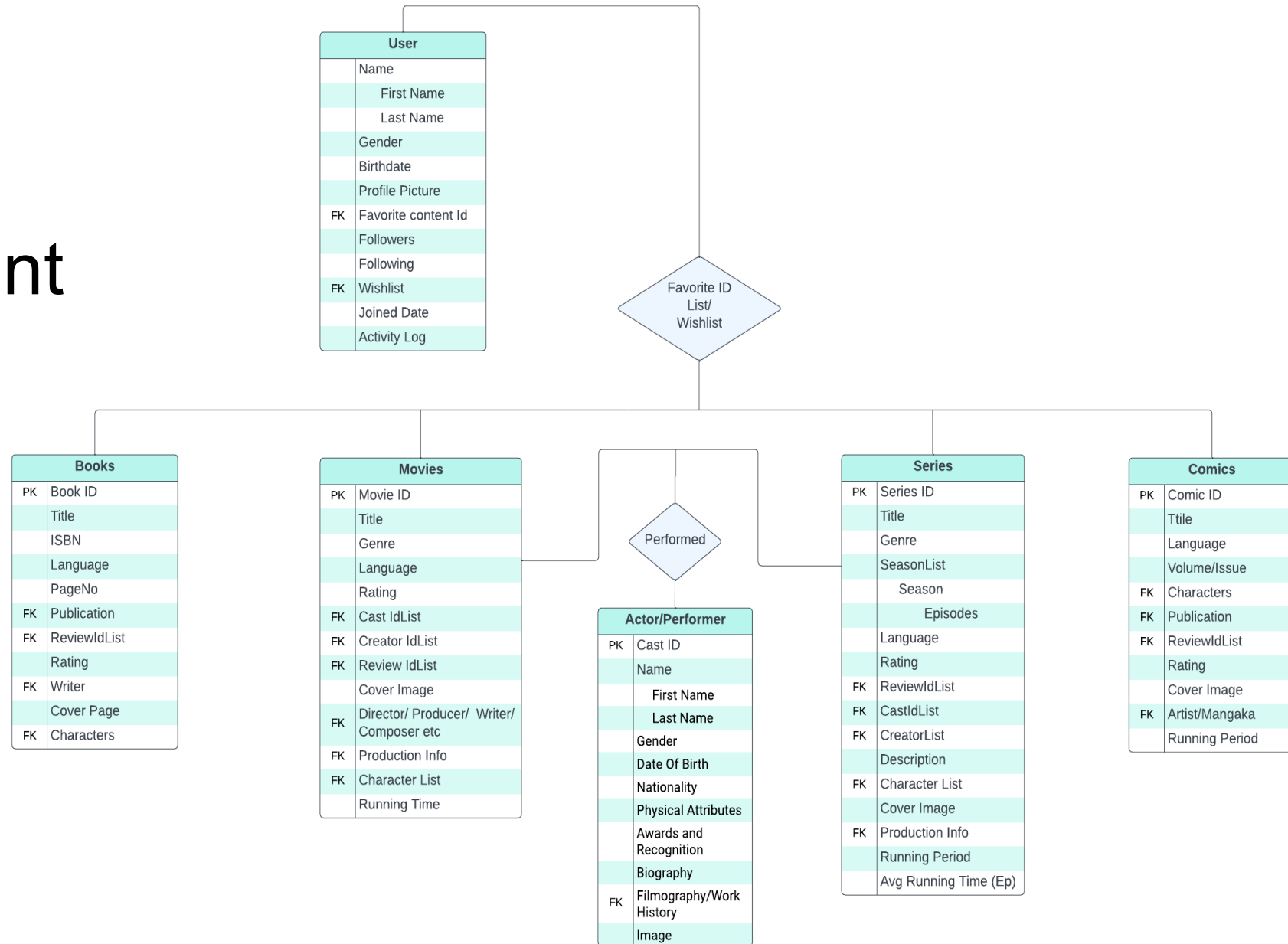
# Production/Publication Company

- Represents content-producing or publishing entities.

- Contains attributes: CompanyID, Title, Type, Description.

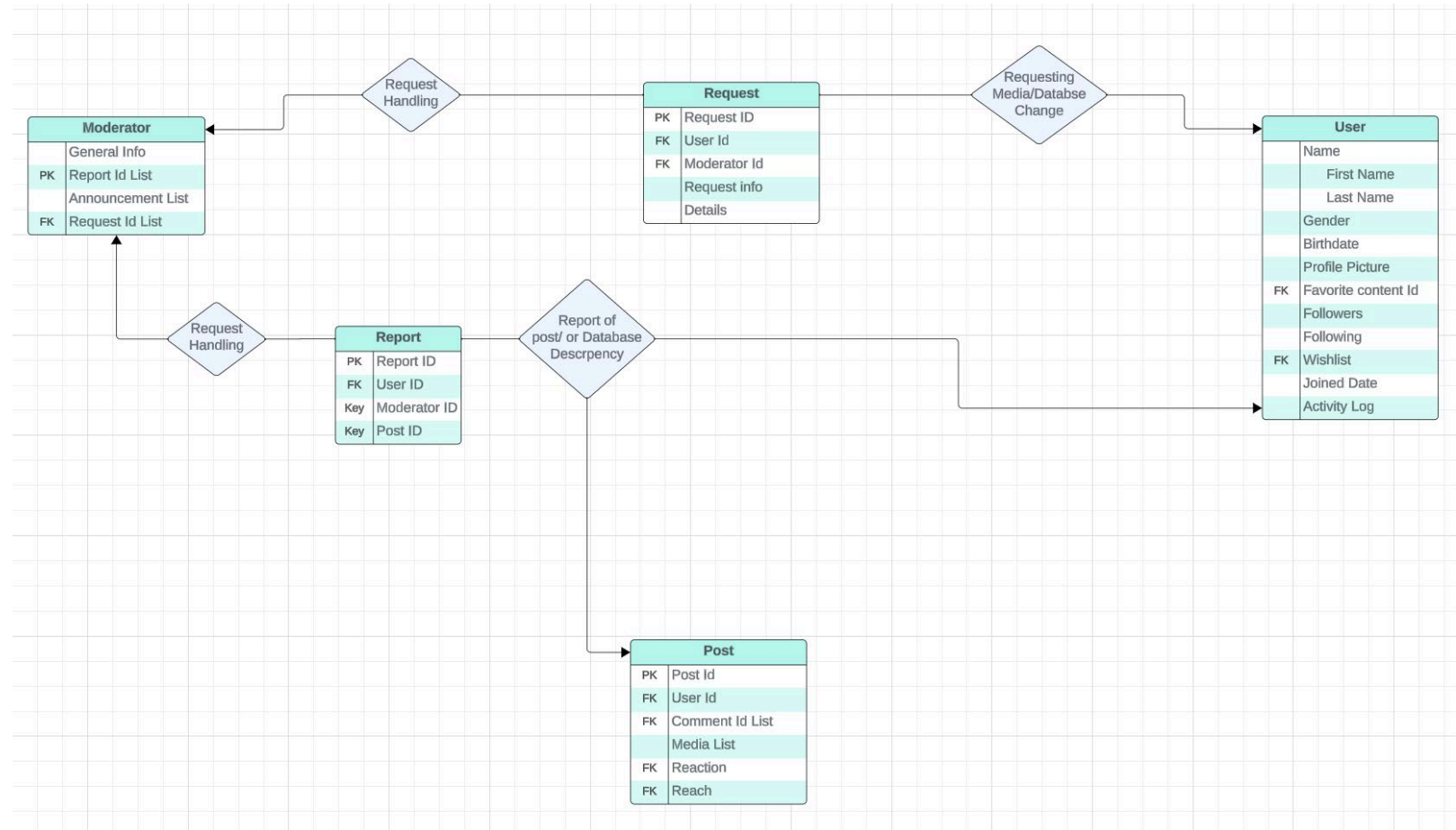- Links media content to respective production/publishing sources for categorization and exploration.

# Wishlist and Favourite Content

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- Facilitates the favorite list also maintains user wish list accordingly.
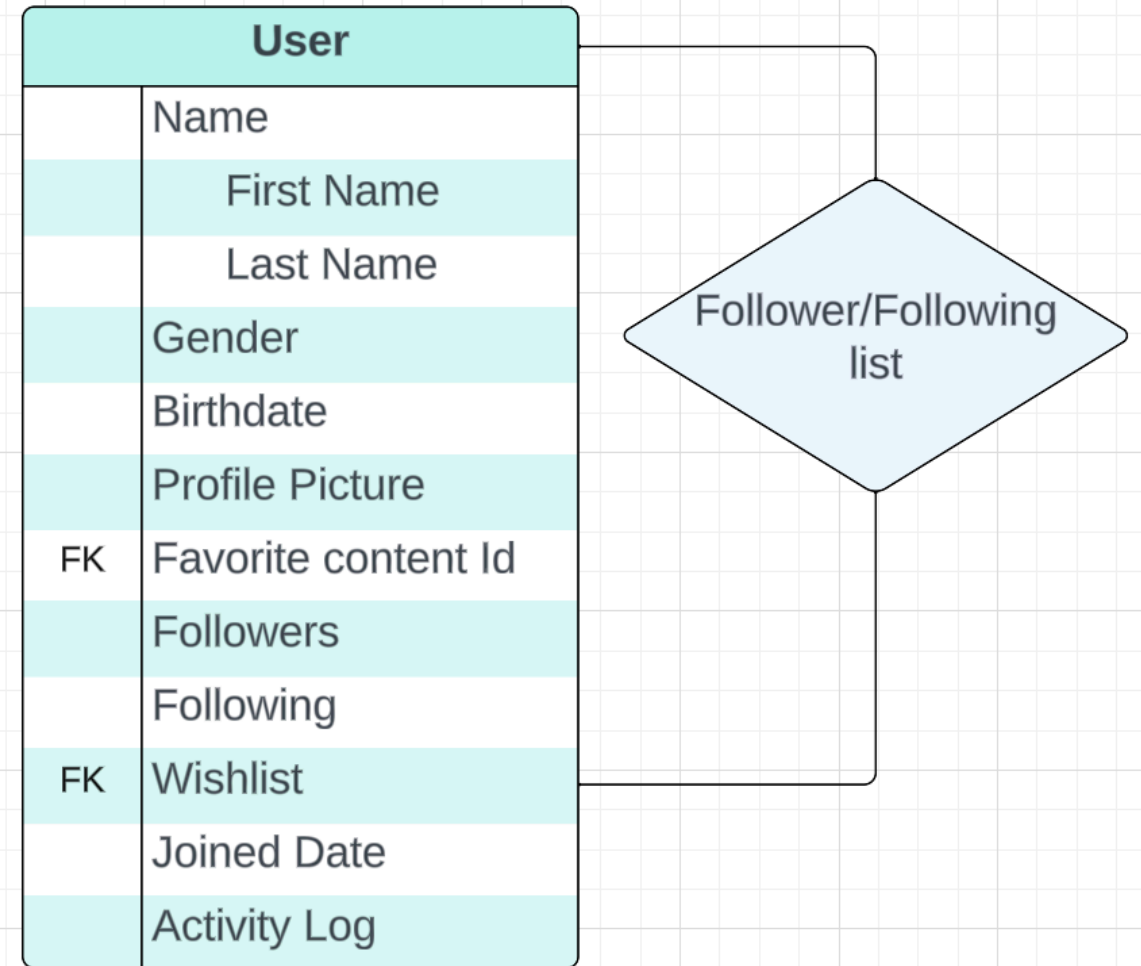
# User Reporting, Requesting and Admin Actions:

- Users have the option to request and report content, directing it to the admin.
- Admin can accept and modify requests using queries for efficient content management.

# Followers/Following

- The "Followers" and "Following" attributes in the User table establish a one-to-many relationship, fostering a social interaction dynamic.

- Users can follow others, creating a connection that enhances their experience by allowing them to engage with and explore the preferred content of those they follow.

- This relational structure facilitates a user-friendly environment for content discovery and interaction within the Fiction Profile platform.

# Common Attributes:

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- The common attributes shared among series, fiction, movies, and books in the Fiction Profile database provide a standardized framework for organizing and presenting diverse content.

-  Elements such as cast, genre, rating, and language serve as universal data points, ensuring a consistent and coherent structure across various types of content.

- This standardization not only simplifies database management but also enhances the user experience by providing a familiar and easily navigable interface for exploring and accessing different forms of entertainment on the platform.

# Thank You