影片串流平台管理系統

DBMS學期專題

PROJECT

- 題目：Movie Streaming Platform Management System

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- GitHub: https://github.com/KaidenHsu/Movie-Streaming-Platform-Management-System
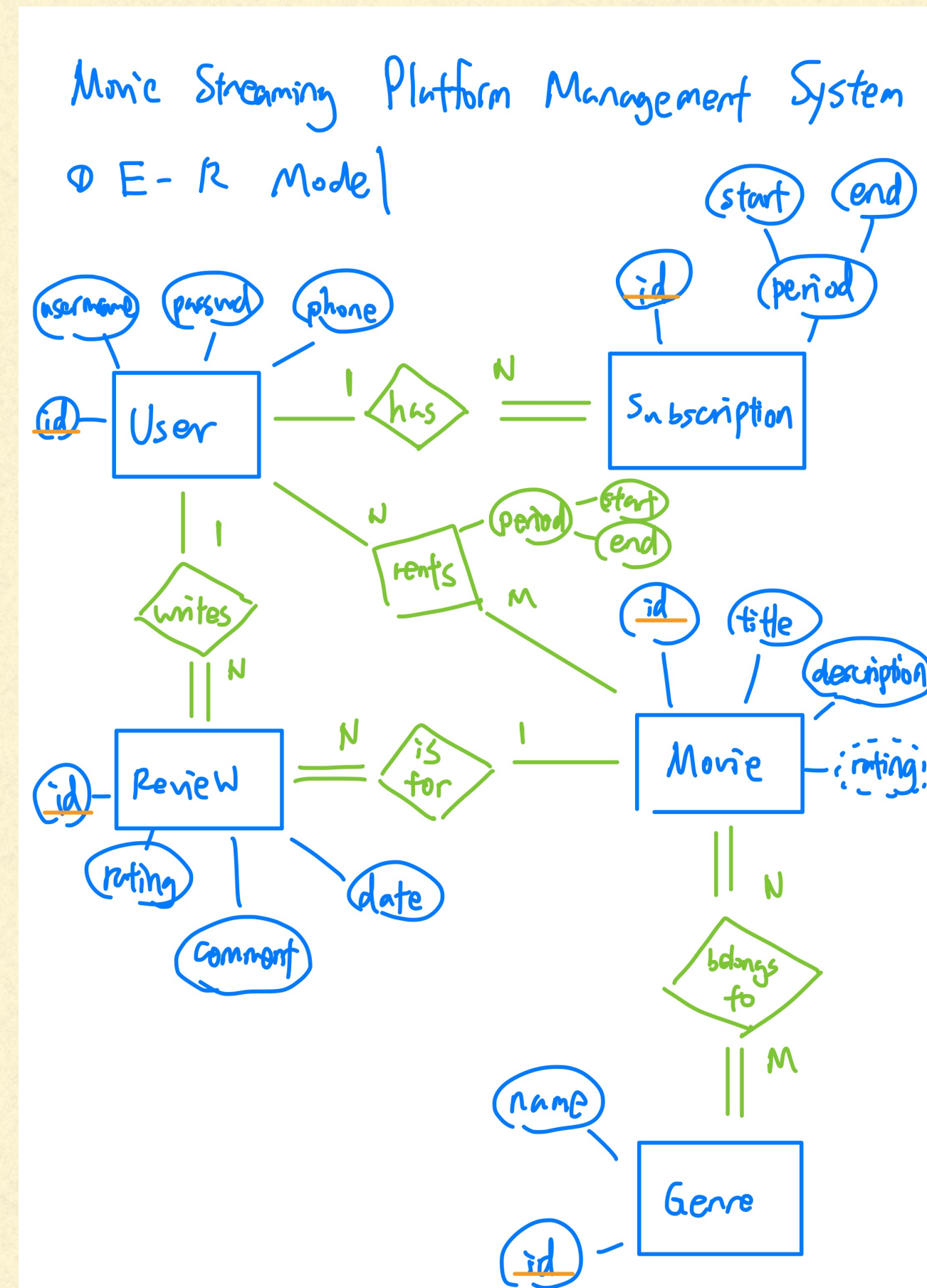
FUNCTION ANALYSIS

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- People can register an account, and log in to it afterwards.

- Only subscribed users (1 month / 1 year) are able to rent movies.

- Users can comment on their rented movies

- Users can browse available movies through filtering by genres or searching

FUNCTION ANALYSIS

- The administrator is presented with an admin panel.

- The admin panel has all the information of existing movies, the administrator can add new movies, update or delete existing movies.

- The administrator can add and delete genres.

- The admin panel shows a list of all users, and their information.

E-R DIAGRAM & RELATIONAL SCHEMA

E-R DIAGRAM

RELATIONAL SCHEMA

@ Relational Schema

User

usr_id	username	password	phone

Movie

mov_id	title	description	rel_year	rating

Subscription

sub_id	start	end	usr_id

Users.usr_id

Review

rev_id	rating	comment	date	usr_id	mov_id

User.usr_id

Movie.mov_id

Genre

gen_id	name

Rent

usr_id	mov_id	start	end

Users.usr_id   Movies.mov_id

MovieGenre

mov_id	gen_id

IMPLEMENTATION

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- Development Stack

- Backend: SQLite (Flask Migrate: version control)

- Frontend: Flask

DEMO