

RDBMS Project

Intro:

Flixme is a membership based OTT platform for watching the latest movies and TV shows. People can do a self registration to access their favorite movies and shows. The platform is a pre-paid system, where the user will deposit a fixed amount, and they will be charged for the amount of usage (in minutes) of the platform. Once the balance reaches a threshold, they will be notified for refilling the amount.

Scope:

Flixme wants to provide a review and rating system for the movies and shows to be provided by the users.

Modules:

1. Users module
 - a. There are two types of users - admin and customers
 - b. Only customers do self registration
 - c. In order to access the platform customers should login
 - d. Customers may view/edit their details
 - e. Customers may check/refill balance amount
2. Movies and shows module
 - a. Customers should be able to search movies based on title
 - b. Customers should be able to browse movies based on various parameters (e.g, genre, actors, year, ...)
3. Review and rating module
 - a. Customers should be able to view the ratings and reviews by other customers
 - b. Customers should be able to add/edit their own rating and/or review
4. Admin module
 - a. First login as "admin" should ask for setting of password
 - b. Admin should have provision for the following:
 - i. Reset own password
 - ii. Add/edit movie/show details
 - iii. View and moderate user reviews

Expectation:

1. Based on the above description, create ER diagrams
2. Transform the entities and relationships in the ER diagram into tables/fields. Identify the primary and foreign keys.

3. Apply 1NF, 2NF and 3NF to the tables created in #2
4. Insert sample data for each of the tables.

Submit your entire work in a MS-Word document.