MOVIE DATABASE COLLECTION

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CSE 111 – 06L

PROJECT DESCRIPTION

The main purpose behind the project is the development of a movie-related database capable of performing these functions:

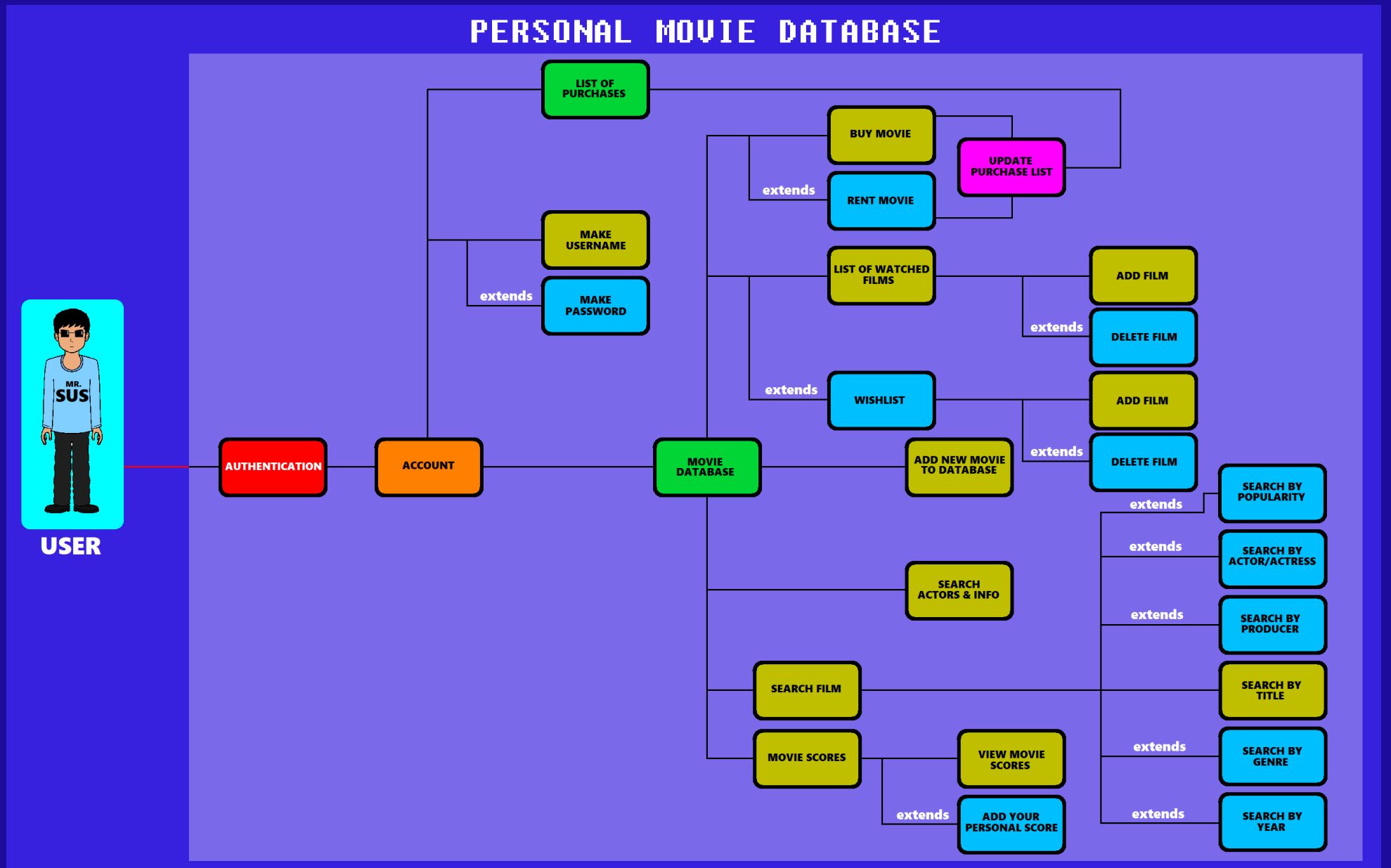
- Store a massive repository of existing films with basic information (i.e., title, genre, year released, actors, etc.)
- Ability to add new films that were previously considered “lost” to the repository
- Purchase or rent films and have a list that keeps track of all transactions
- Give your own personal score (i.e., 3/5 stars) for any film and integrate your results with the scores set by rating score databases like Rotten Tomatoes or IMBD.
- Keep a list of movies you have either watched or owned.
- Browse actors from the movies in the main database and get basic facts about them.

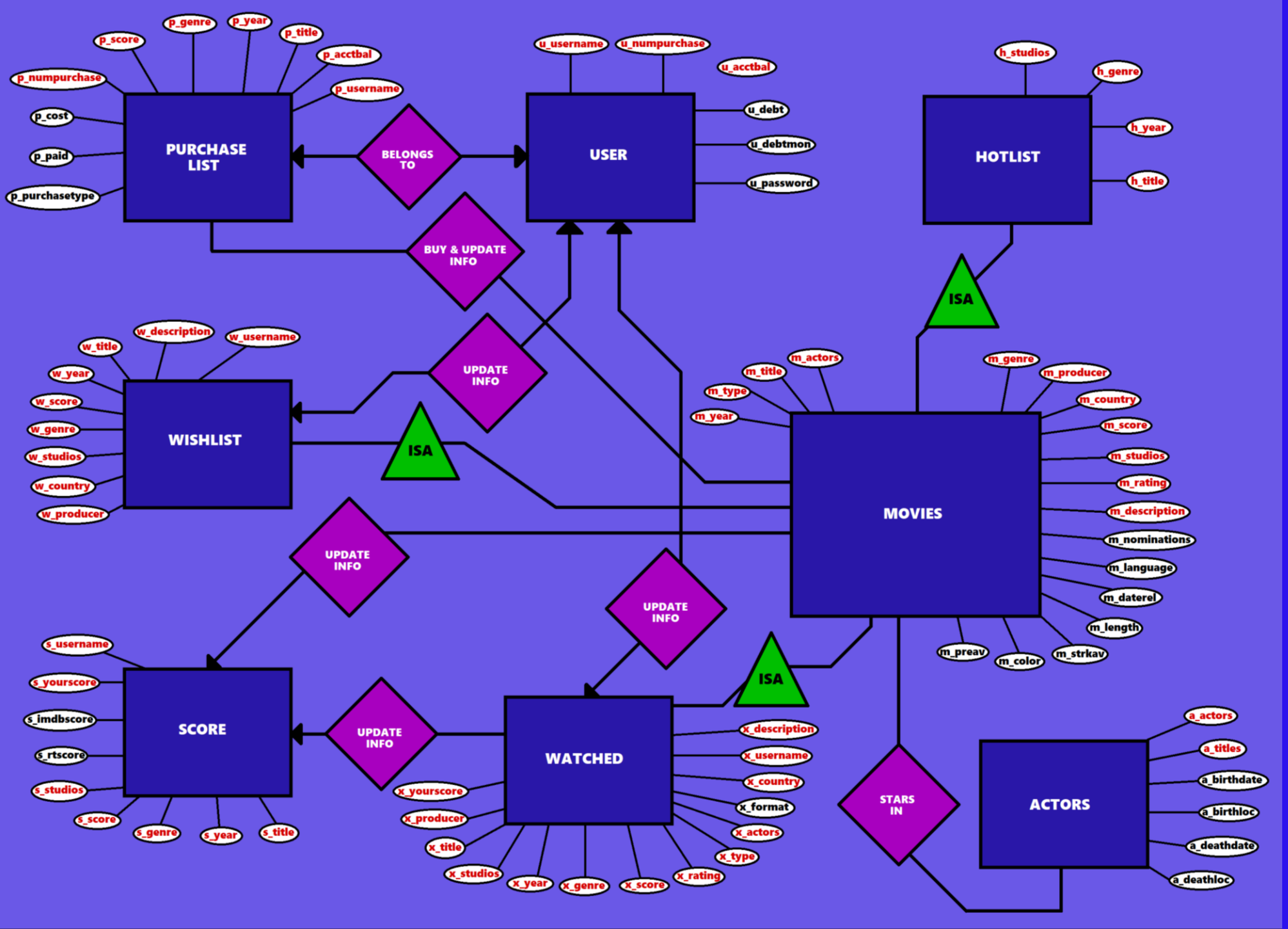
REQUIRED PROGRAMS

Some of the programs that will be required for the project are:

- SQLite
- JSON
- C++
- Potentially Use
  - HTML
  - CSS
  - JavaScript

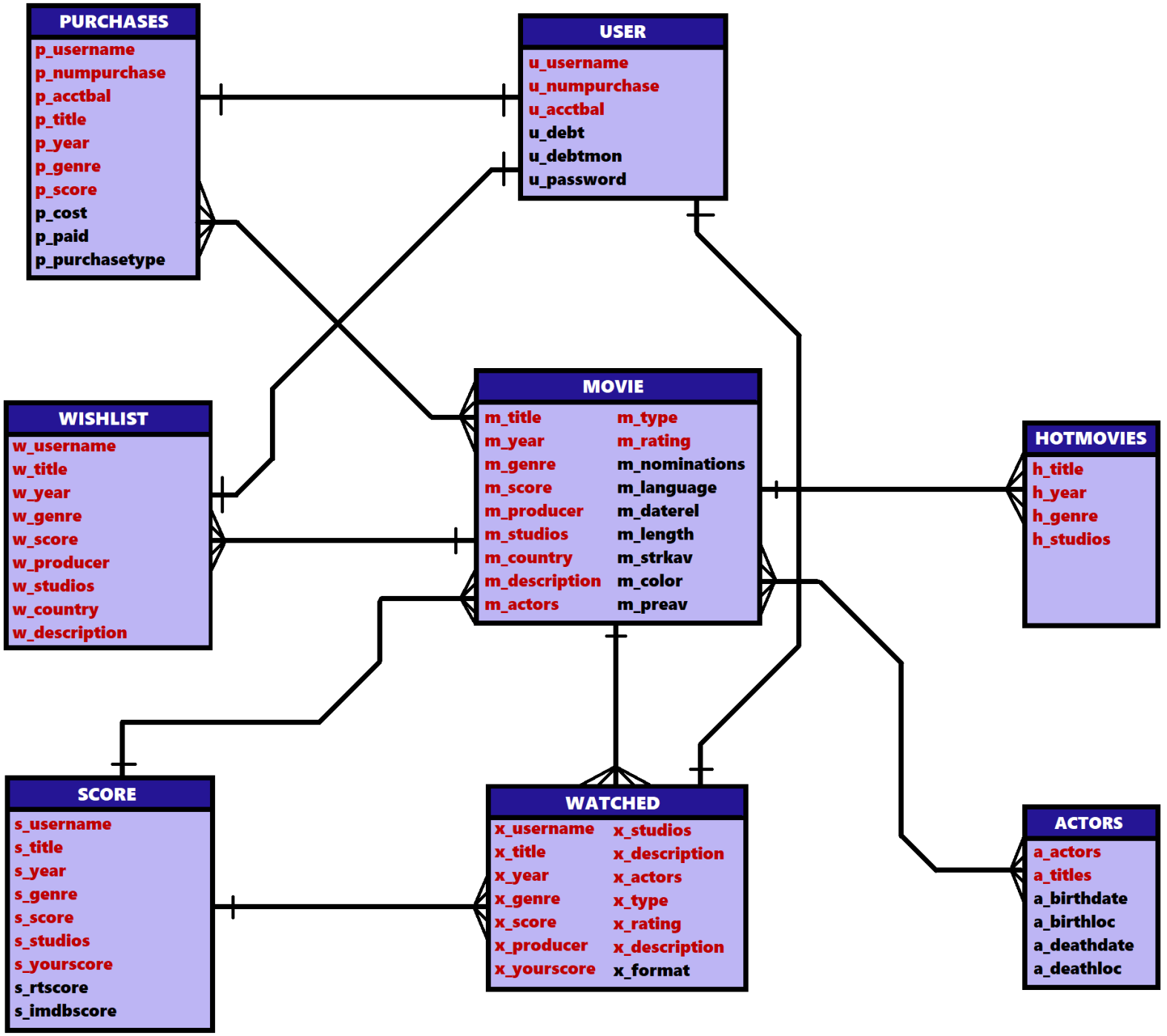
UML USE-CASE DIAGRAM




PURCHASE LIST
p_score
p_genre
p_year
p_title
p_acctbal
p_username
p_numpurchase
p_cost
p_paid
p_purchasetype
BELONGS TO
USER
u_username
u_numpurchase
u_acctbal
u_debt
u_debtmon
u_password
HOTLIST
h_studios
h_genre
h_year
h_title
BUY & UPDATE INFO
ISA
UPDATE INFO
WISHLIST
w_description
w_username
w_title
w_year
w_score
w_genre
w_studios
w_country
w_producer
ISA
MOVIES
m_actors
m_title
m_type
m_year
m_genre
m_producer
m_country
m_score
m_studios
m_rating
m_description
m_nominations
m_language
m_daterel
m_length
m_preav
m_color
m_strkav
UPDATE INFO
UPDATE INFO
SCORE
s_username
s_yourscore
s_imdbscore
s_rtscore
s_studios
s_score
s_genre
s_year
s_title
UPDATE INFO
WATCHED
x_yourscore
x_producer
x_title
x_studios
x_year
x_genre
x_score
x_rating
x_description
x_username
x_country
x_format
x_actors
x_type
ISA
STARS IN
ACTORS
a_actors
a_titles
a_birthdate
a_birthloc
a_deathdate
a_deathloc

E/R DIAGRAM

RELATIONAL SCHEMA



RELATIONAL SCHEMA (Continued)

- **USER**
  - u_username, u_numpurchase, u_debt, u_debtmon, u_password
- **PURCHASES**
  - p_username, p_numpurchase, p_acctbal, p_title, p_year, p_genre, p_score, p_cost, p_paid, p_purchasetype
- **MOVIE**
  - m_title, m_year, m_genre, m_score, m_producer, m_studios, m_country, m_description, m_actors, m_type, m_rating, m_nominations, m_language, m_daterel, m_length, m_strkav, m_color, m_prevav
- **WISHLIST**
  - w_username, w_title, w_year, w_genre, w_score, w_producer, w_studios, w_country, w_description
- **WATCHED**
  - x_username, x_title, x_year, x_genre, x_score, x_producer, x_yourscore, x_studios, x_description, x_actors, x_type, x_rating, x_description, x_format
- **SCORE**
  - s_username, s_title, s_year, s_genre, s_score, s_studios, s_yourscore, s_rtscore, s_imdbscore
- **HOTMOVIES**
  - h_title, h_year, h_genre, h_studios
- **ACTORS**
  - a_actors, a_titles, a_birthdate, a_birthloc, a_death, a_deathloc

DEFINITIONS

- User – essentially the account of the user for authentication purposes.
- Movies – the massive repository containing information of the many films that have been brought out into existence. You can add new or rediscovered films to the database as well.
- Purchases – interface area to buy/rent films as well as keep track of your transactions.
- Wishlist – personalized list of films you haven't seen but wish to see.
- Score – repository containing film titles and the scores they have received through score reception databases like Rotten Tomatoes or IMBD.
- Watched – personalized list of films you have already watched and/or own.
- Hotlist – sub list of Movies repository containing only the movies that are trending.
- Actors – list of actors who participated in movies listed in the database and includes small facts about their life (i.e., birth and death).

ANY QUESTIONS…??

For Mr. SuS…???