**Project Information**

Introduction:

Have you ever logged onto Netflix and had no idea what to watch next? There’s just so many choices! Choosing what to watch next can be difficult -- but it doesn’t have to be! We’re here to give you the next generation of the online streaming experience with Nextflix! Today, people have so many more important decisions to make, but this shouldn’t be one of them! Nextflix offers a personalized decision making algorithm that will help you find your next favorite show or movie! Nextflix not only keeps track of what the user has watched, but also what shows the user has liked and disliked. Nextflix is then able to find new content for the user to enjoy. Nextflix allows users to maximize their subscription of Netflix by making sure always have something to watch.

Nextflix does this by linking TV shows and movies based on the lead actors/actresses, genre, release date, director, and other similar shows in a database. This database allows the show-finding algorithm to access the next ideal show for the user. With a click of a button the user is off to the next show.

\*\*Nextflix is not responsible for loss of productivity or increased occurrences of “lazy afternoons”. All lost sleep is at the discretion of users.

Requirements:

Admin must be able to add/remove actor, movie, tv show, similar\_to

Amin must be able to remove users

Users must be able to edit their own user data

Users must be able to add new movie, or tv show to has\_watched tables

Users must be able to filter movie/tv show selection

Users must be able to like movies/tv shows in has watched tables

Users must be able to find similar movies/tv shows

Users must be able to create user account

User and admin accounts must have passwords

Application must make sure that SQL attacks are prevented

Users shall not be able to add/remove actor, movie, tv show, similar\_to

Users must be able to add to fan\_of

Users must not be able to edit other users fan\_of or has\_watched entries

Admin must be able to export all tables

Users must be granted admin status from another admin

Users must be able to sort has\_watched movies/tv shows

The user password must be at least 8 characters

The user and admin passwords shall not be the same as their respective username

The admin password must be at least 10 characters

Users must have a valid email

Users must be at least 13 years of age

Users must agree to Nextflix’s terms of use

Users must be able to set parental guidelines on their account

A users’ account must be locked for 6 hours if they fail to log in 6 times

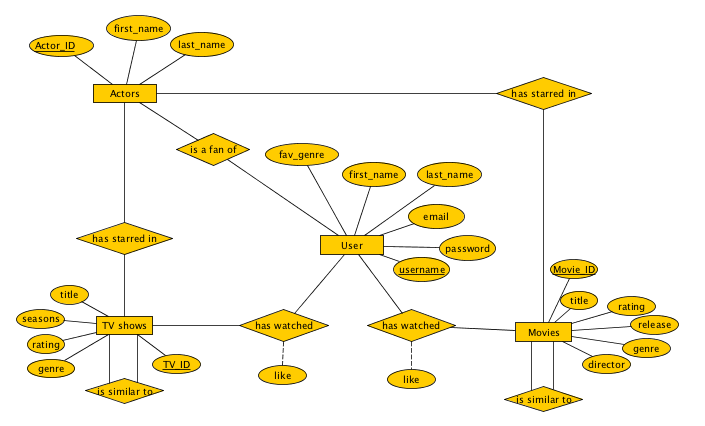
Passwords must be hashed for security purposes

Each user must have a unique email account

**The Design Process**

… Need to build more stuff before we can talk about design decisions

E-R Diagram



Database Schema

...Waiting until database is fully built out

Proof of TNF

User:

A: username

B: password

C: email

D: first\_name

E: last\_name

F: fav\_genre

A->BCDEF

Actors:

G: Actor\_ID

H: first\_name

I: last\_name

G->HI

Movies:

J: Movie\_ID

K: title

L: rating

M: release

N: genre

O: director

J->KLMO

TV shows

P: TV\_ID

Q: title

R: seasons

S: rating

T: genre

P->QRST

Is fan of

A: username

G: Actor\_ID

A->G

Has starred in movie

G: Actor\_ID

J: Movie\_ID

G->J

Has starred in TV

G: Actor\_ID

P: TV\_ID

G->P

Has watched movie

A: username

J: Movie\_ID

U: liked\_movie

A->JU

Has watched TV

A: username

P: TV\_ID

V: liked\_TV

A->PV

Is similar to movie

J: Movie\_ID

W: Movie\_ID2

J->W

Is similar to TV

P: TV\_ID

X: TV\_ID2

P->X

Canonical Cover(Fc)

A->BCDEFGJUPV

G->HIJP

J->KLMOW

P->QRSTX

**Evaluation of Product**

...How did we test our application/database

Sample Data and Queries

... SQL code here