Betcha Can't Guess What I Watched

An Obscure Movie Recommender
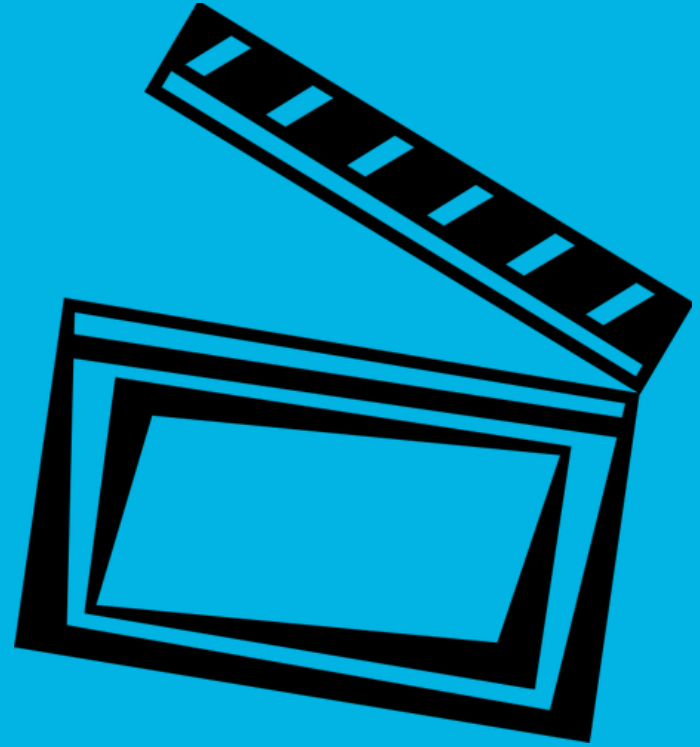
By Philip Bowman
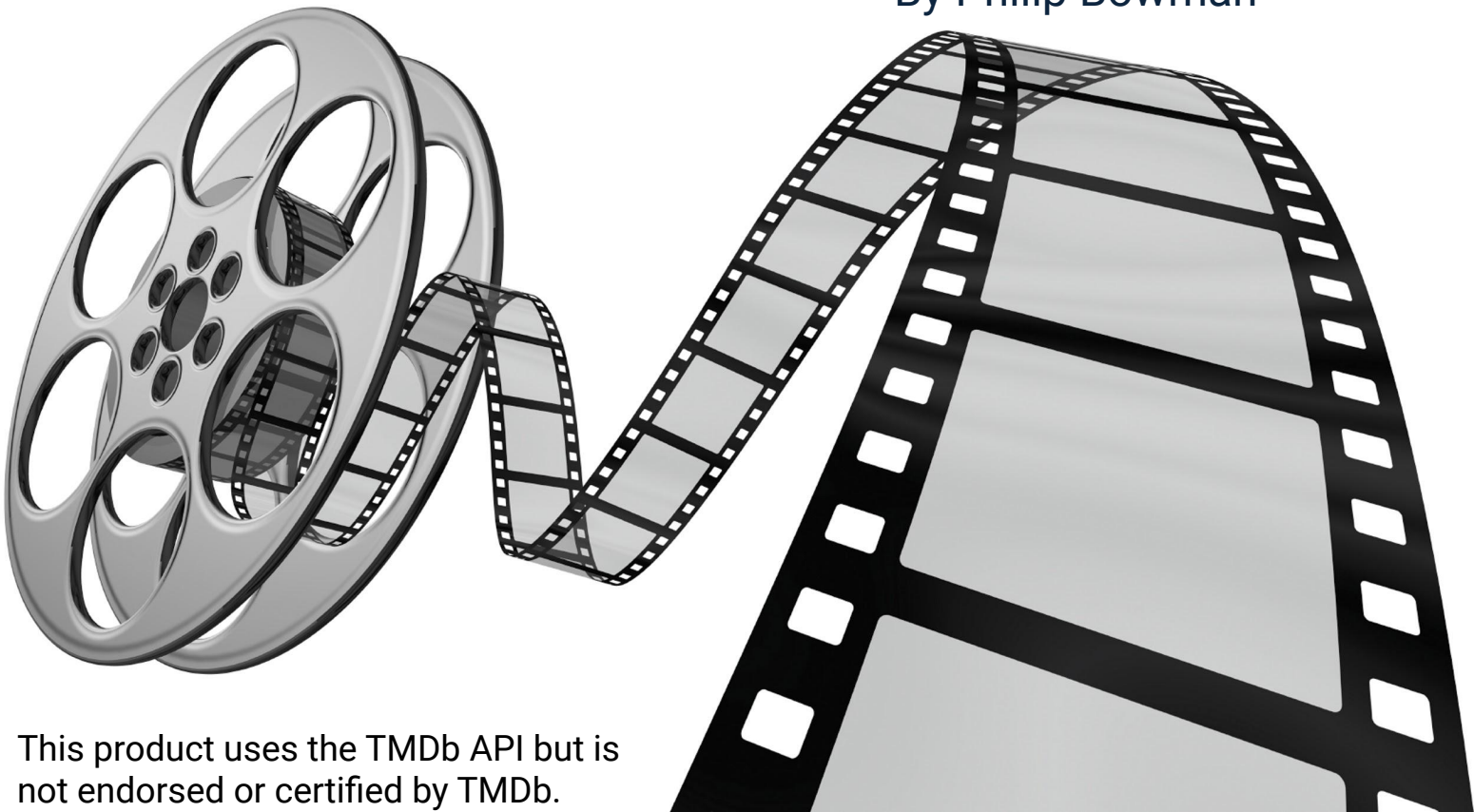
THE MOVIE DB

The Opportunity: Movie recommendation systems are a dime a dozen. But how many of them recommend movies you haven't already heard of?
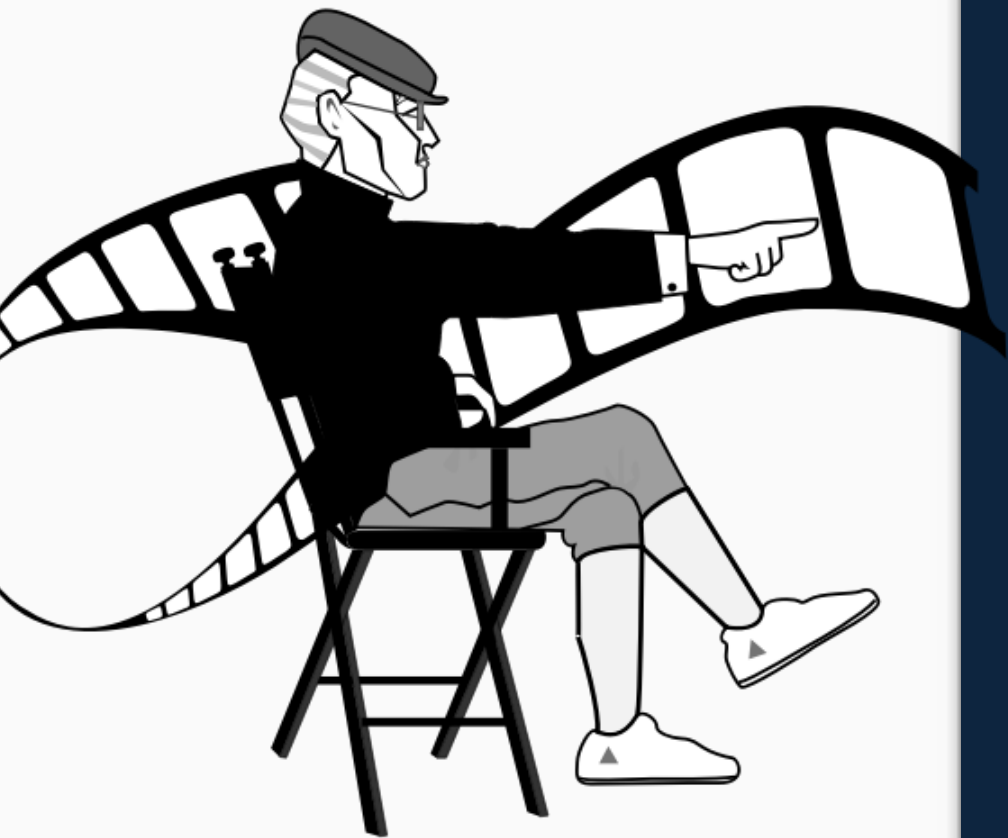
The Solution: An Obscure Recommender

Goal: To create a recommendation system that will return the most similar films based on a user query with the added twist of only returning those which are deemed *obscure*.

How?
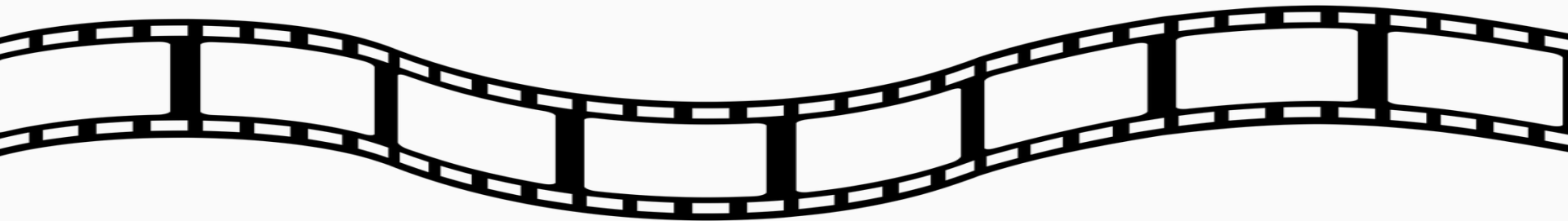
Steps

1. Obtain relevant data
2. Define *obscurity*
3. Create and test models
4. Select a model
5. Simpler is better
6. Create a user input system using the model
7. Provide recommendations

The Results (Round 1)

Query:

Star Wars: The Rise of Skywalker

TMDb Overview:
The surviving Resistance faces the First Order once again as the journey of Rey, Finn and Poe Dameron continues. With the power and knowledge of generations behind them, the final battle begins.
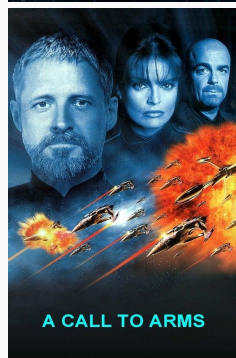
Battle Beyond the Stars
A young farmer assembles a band of diverse mercenaries to defend his peaceful planet from an evil tyrant.

Kill Order
A troubled high school student discovers the truth behind his hidden abilities.

Babylon 5: A Call to Arms
Allies of the Shadows seek revenge against humanity. This movie sets up the series, "Crusade," the sequel to "Babylon 5."
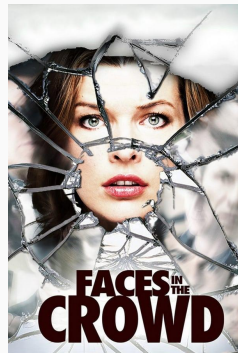
The Results (Round 2)

Query:

John Wick

TMDb Overview:
Ex-hitman John Wick comes out of retirement to track down the gangsters that took everything from him.

Faces in the Crowd

A horror-thriller centered on a woman living with "face-blindness" after surviving a serial killer's attack. As she lives with her condition, one in which facial features change each time she loses sight of them, the killer closes in.
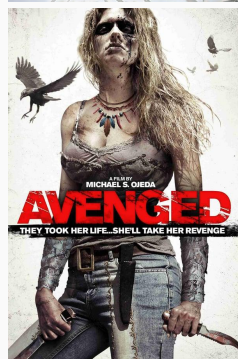
Savaged*

After thugs brutalize a deaf-mute woman, the spirit of an Apache warrior takes over her lifeless body and sets out on a bloodthirsty quest for revenge.

Avenging Angelo

A woman who has recently discovered that she is the daughter of Angelo, a major mafia boss, decides to wreak vengeance when he is killed by a hitman. She's aided by his faithful bodyguard, with whom she soon falls in love.

Top Result

"We'll Do It Live"
&
Questions

Check it out:

Other Models

Potential Improvements

Limitations

Future GUI/Website

Feedback?