Streaming Platform Database

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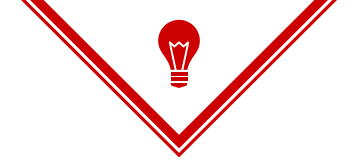
Problem:

- During this global pandemic, people are stuck inside with limited options of what they can do
- People have turned to online streaming services such as Netflix, Disney+, and Hulu to make use of their time inside
- Technologies like the Netflix Party Google Chrome extension also make it easy to watch Netflix remotely with friends
- It can be difficult to choose a movie or TV show that multiple people can agree on watching



Our Solution:

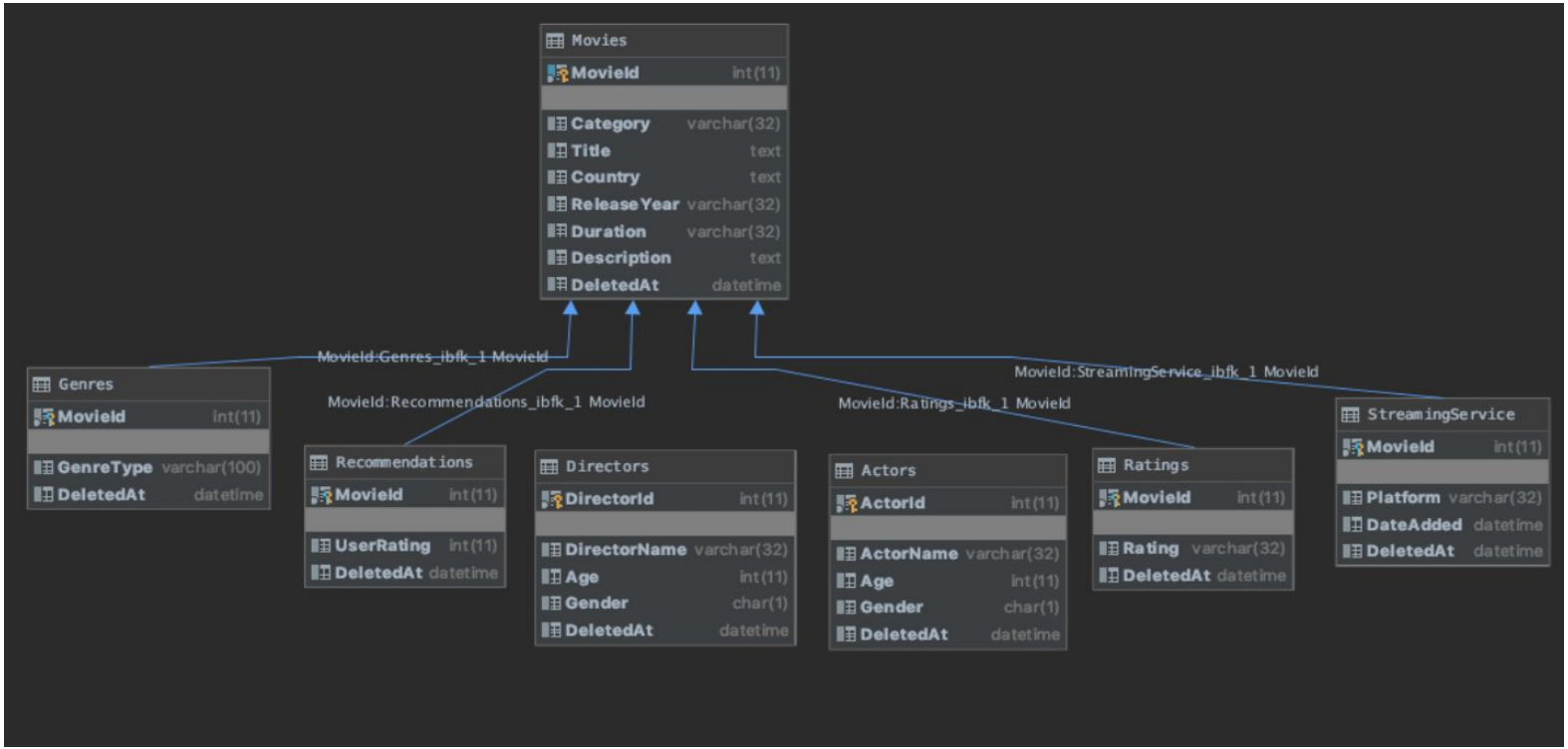
- We combined data from the streaming platforms Netflix and Disney+
  - We used datasets from Kaggle and then used R to clean them and randomly choose 500 rows to use in our database
- Our database allows users to:
  - Search and filter through a larger database of entertainment content in order to decide what to watch
  - Insert their own movie data and user ratings to keep track of watch history
  - Delete records in the database
  - Export records to a csv file
  - Look at all the records in the database
- Our web app also provides suggestions to the user based on the content they have rated

Application Framework

- Built our web application using Flask
  - A micro web framework written in Python

- Flask uses Jinja2 - a template engine for Python
  - Minimal and flexible in design
  - Jinja2 allows for template inheritance, so that templates can be inherited from a base template across multiple HTML files without redundancies

Schema Diagram:



Future Applications

- Could have created a recommendation system that displays suggestions according to the preferences of multiple users

- Demo!