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Movie Recommendation System

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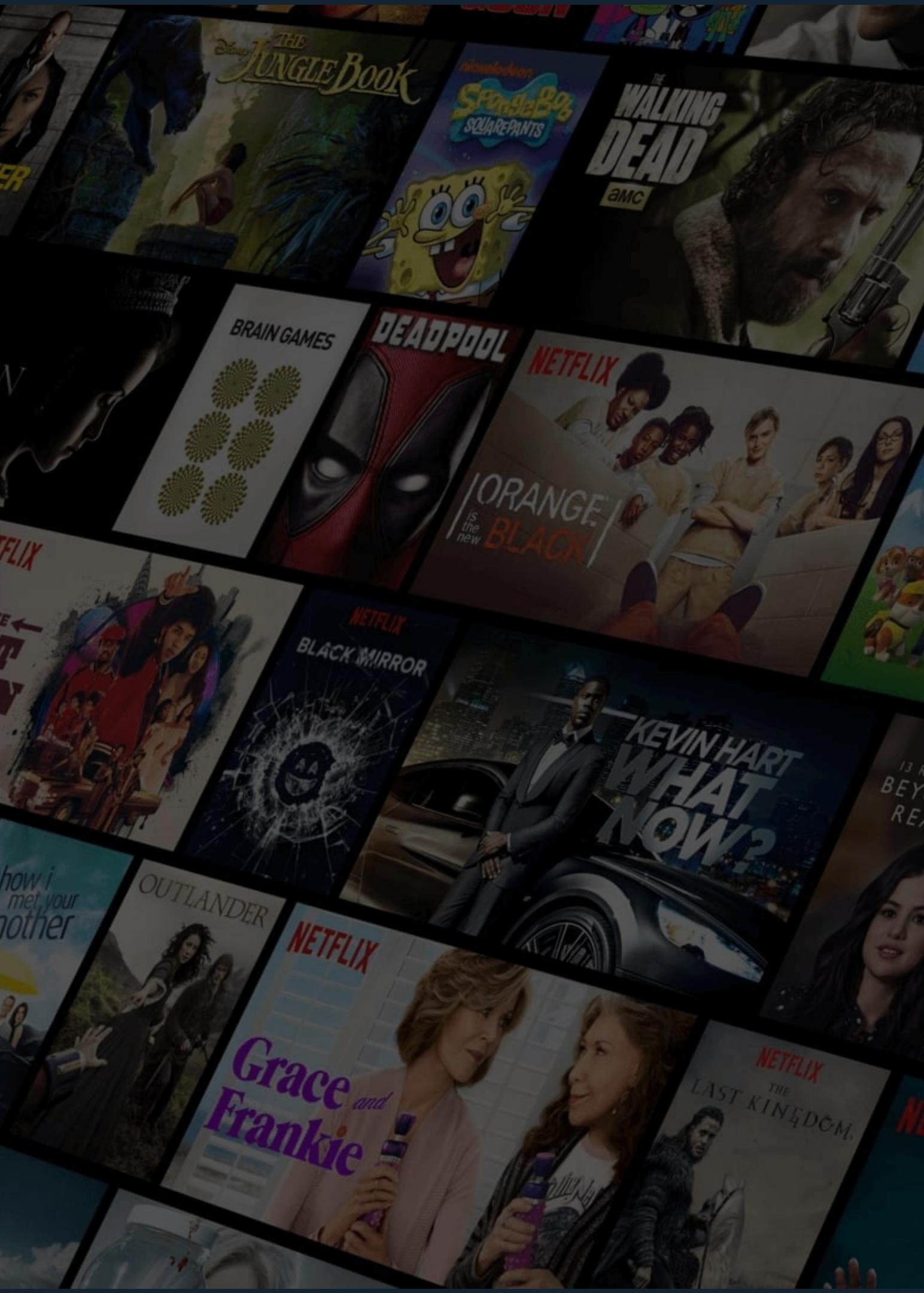
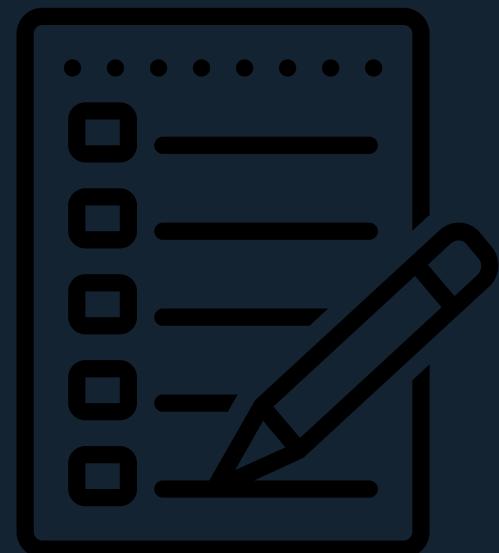




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Overview

Next up is a movie recommendation system that offers generalized recommendations to every user based on movie popularity, genre, and year.

The model also give personalized recommendations based on the user's choice of genre and cast.

Finally, the system suggests similar movies have a higher probability of being liked based on the movie selected by user.

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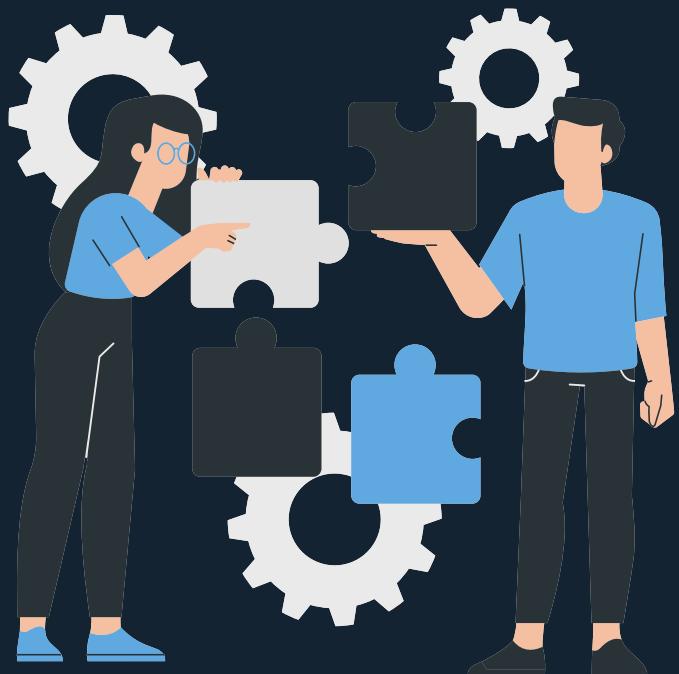
Problem

- Many times users face the problem of getting the right content to watch according to their current mood and choice of genre.
- It takes a lot of time to find the right content which usually leads to irritation and not wanting to watch anymore.



Solution

- To get rid from this problem **Movie Recommendation System** is ideal solution. Which will provide an accurate movies to users.
- This **Movie Recommendation** system use content-based filtering. which uses the data provided about the items (movies). This data plays a crucial role here and is extracted from only one user.



Now wondering how
this solution was
implemented.

Tools & Technology

Tech Stack and Software requirements:

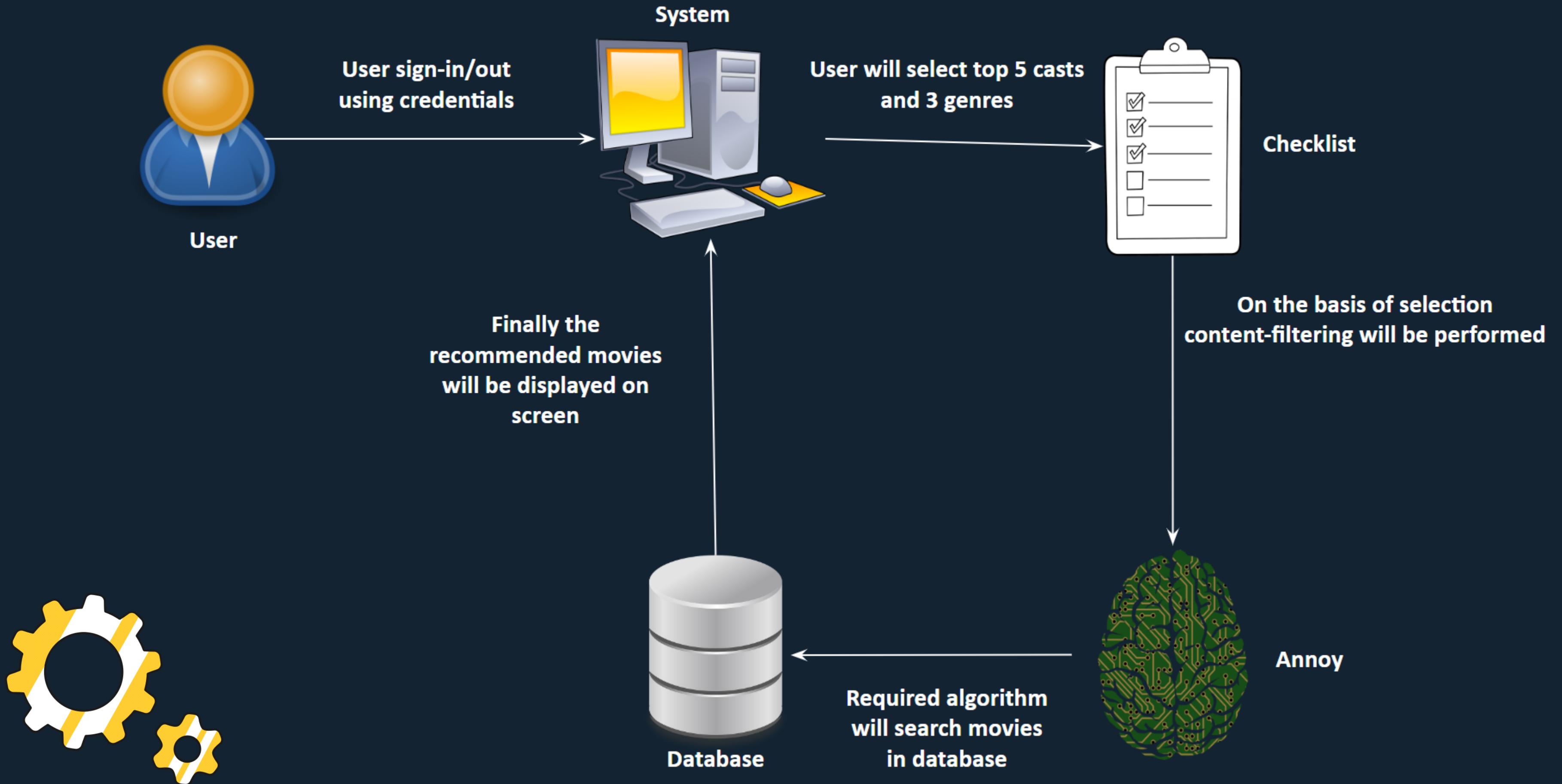
- Frontend: HTML5, CSS3, JavaScript, BootStrap, jQuery
- Backend: Python flask
- Database: PostgreSQL, SQLite3
- ML model: Jupyter Notebook
- IDE: PyCharm
- Version Control: Git
- Deployment: Heroku



Recommendation Algorithms

- Based on chosen genres and cast
- Popular movies based on the genre
- Popular movies based on the year
- Similar movie recommendation







Interface

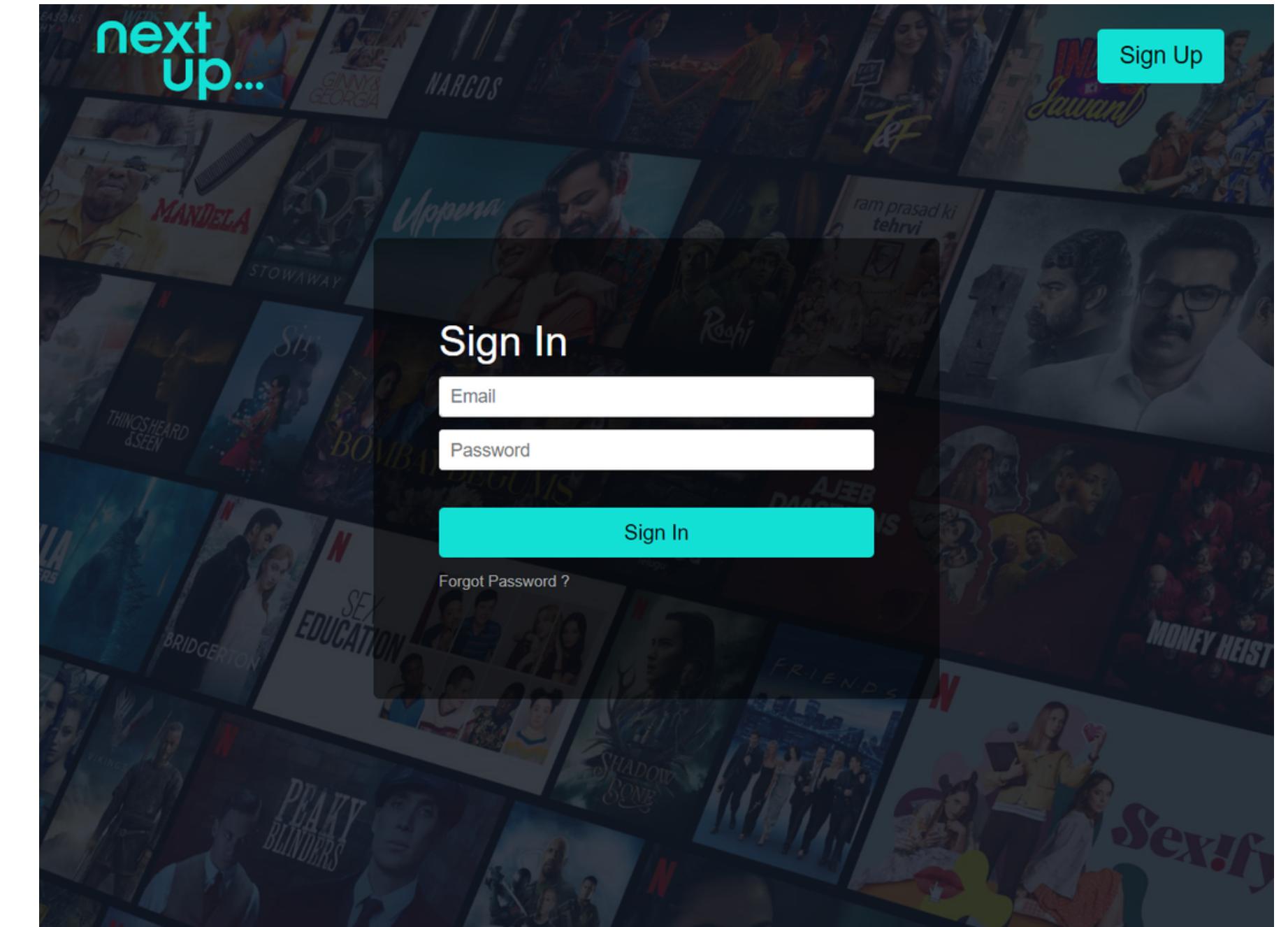
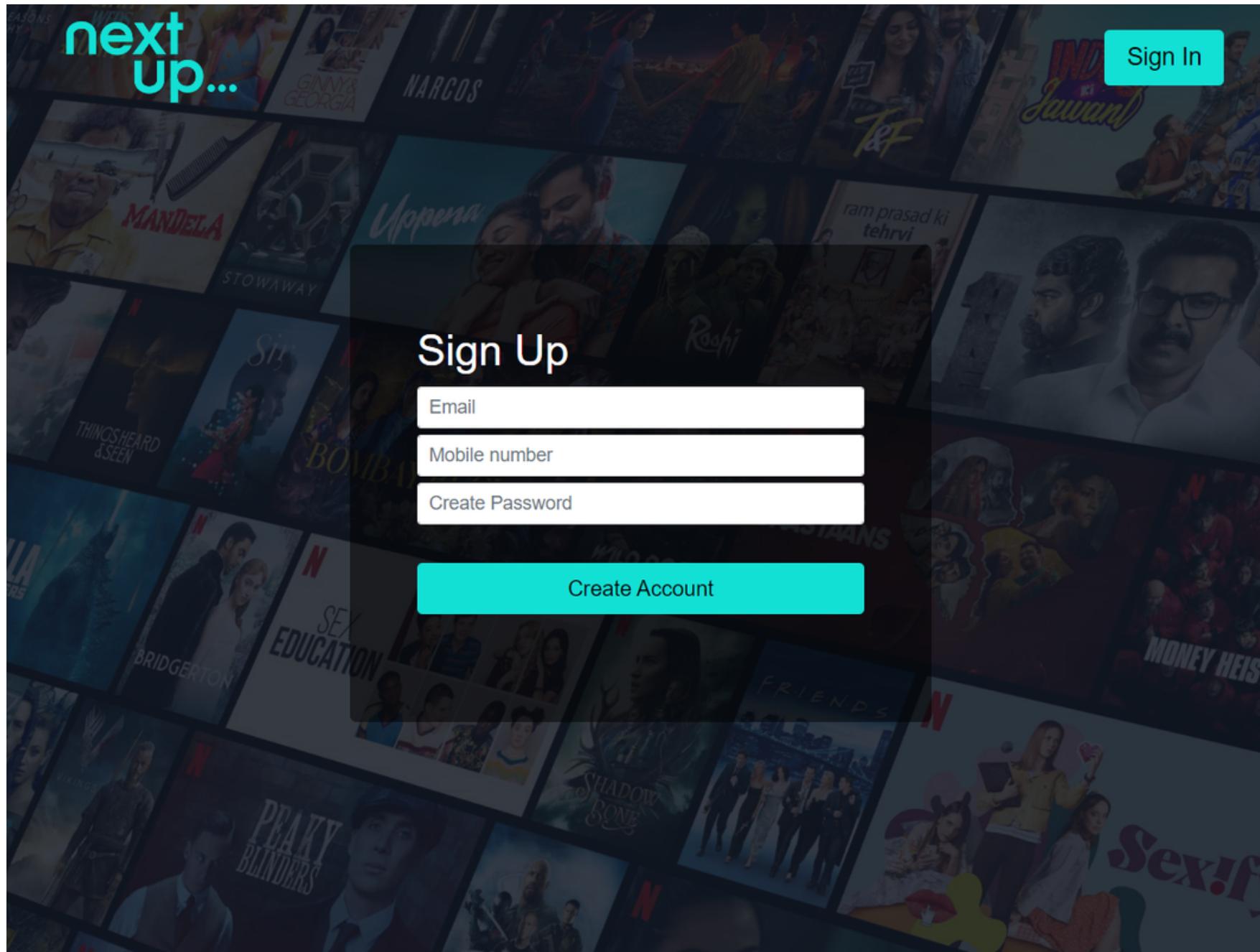


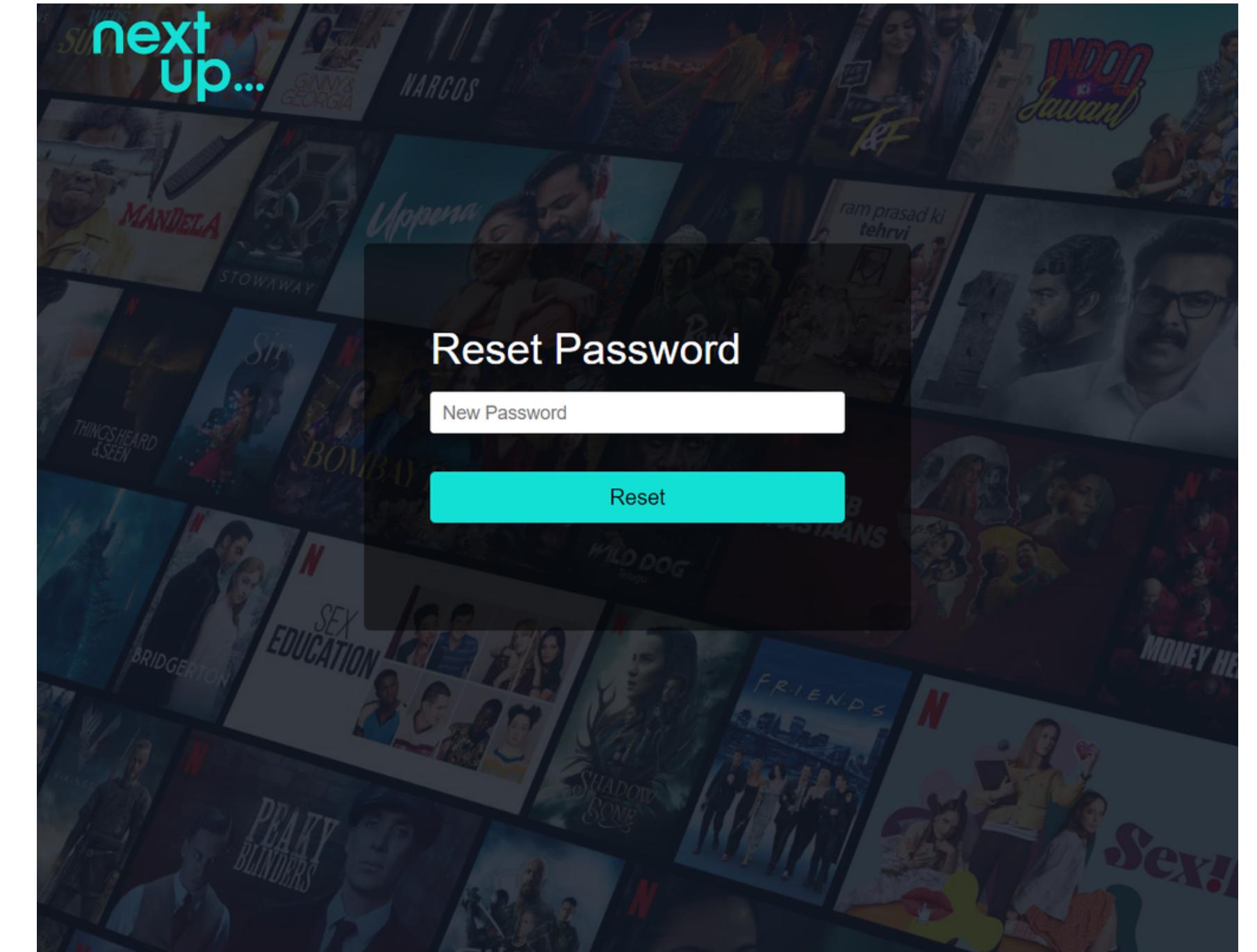
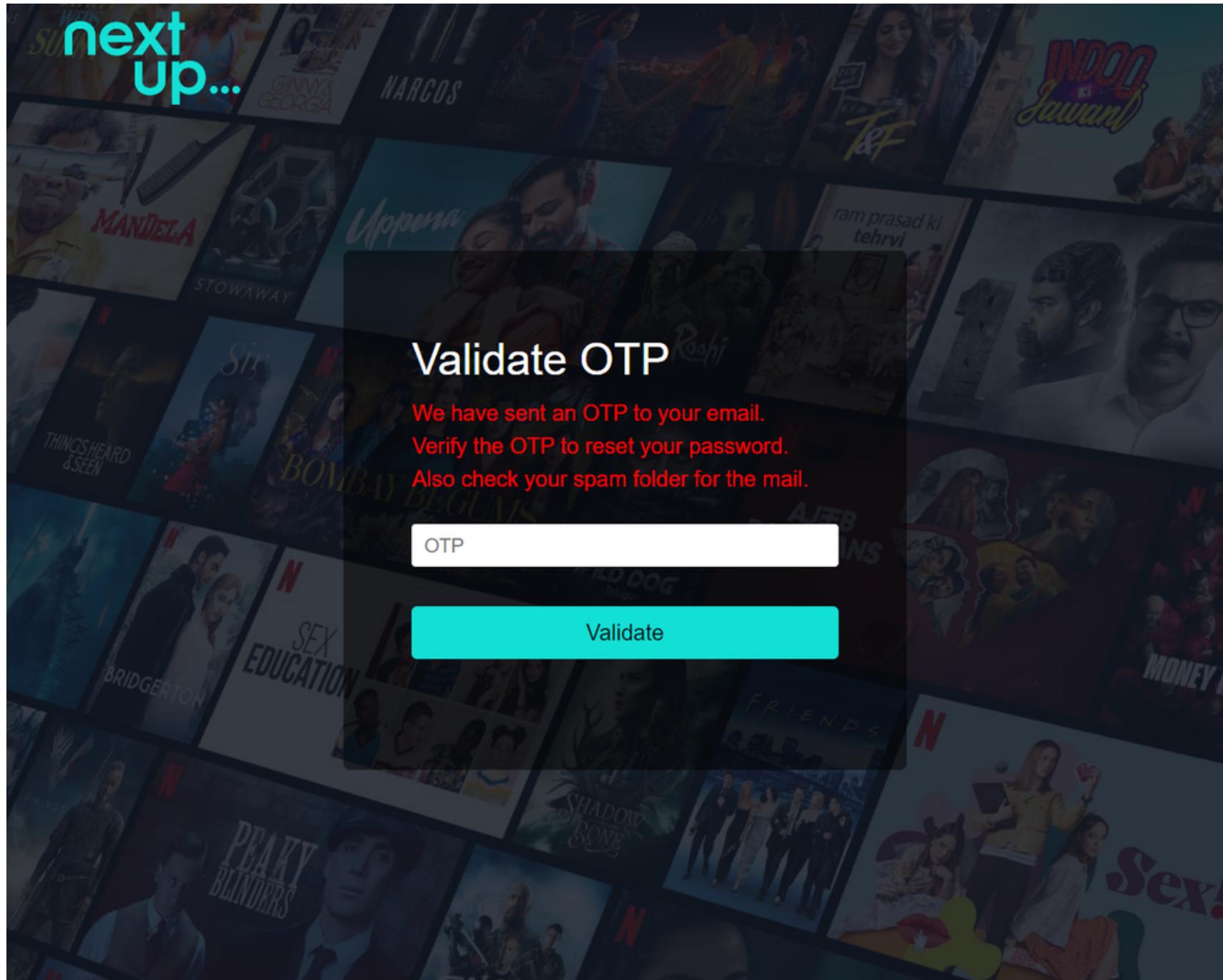
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Sign In

Confused what to watch next?
Get best recommendations that suit your taste.

Get Started >





Select your top 3 Genres

Action

Adventure

Fantasy

Scienc...

Crime

Drama

Thriller

Animation

Family

Western

Comedy

Romance

Horror

Mystery

History

War

Music

Select your top 5 Cast

Robert
De NiroSamuel
L....Bruce
WillisMatt
DamonNicolas
CageJohnny
DeppMorgan
FreemanBrad
PittMark
WahlbergDenzel
WashingtonTom
HanksTom
Cruise

Done

The Incredibles

Bob Parr has given up his superhero days to log in time as an insurance adjuster and raise his three children with his formerly heroic wife in suburbia. But when he receives a mysterious assignment, it's time to get back into costume.



Genre Action ▾



Deadpool



Guardians of the Galaxy



Mad Max: Fury Road



Jurassic World



Pirates of the Caribbean: The Curse of the Black Pearl



Dawn of the Planet of the Apes

Best Of Year 2016 ▾



Deadpool



Captain America: Civil War



Batman v Superman: Dawn of Justice



X-Men: Apocalypse



The Jungle Book



Suicide Squad

Minions

Before Gru, they had a history of bad bosses

Family . Animation . Adventure . Comedy .

Sandra Bullock . Jon Hamm . Michael Keaton . Allison Janney .

2015

Minions Stuart, Kevin and Bob are recruited by Scarlet Overkill, a super-villain who, alongside her inventor husband Herb, hatches a plot to take over the world.

► Watch Movie



More Like This



Despicable Me 2



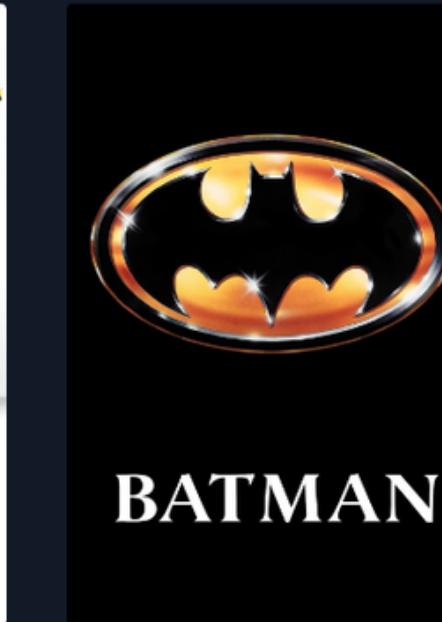
The Croods



Penguins of Madagascar



Despicable Me



Batman



Stuart Little 2

next
up...

Search Movie



Minions



Features

- Sign-up/ Sign-in/ Forgot password/ OTP validation functionality.
- The user's credentials are stored in the database.
- Completely responsive front end.
- A total of 4 types of recommendations:
 - Recommended movies based on the user's chosen genres and casts.
 - Most popular movies based on different genres.
 - Most popular movies based on different years.
 - Recommended movies similar to the user's selected movie.
- Movie details and trailer linked for each movie.
- Watch movie option.
- Option to like or dislike a movie.
- Client-side session tracking.
- Continuous Integration / Continuous deployment.

Thank You

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