AMITY UNIVERSITY, NOIDA

MOVIE *Recommender* SYSTEM

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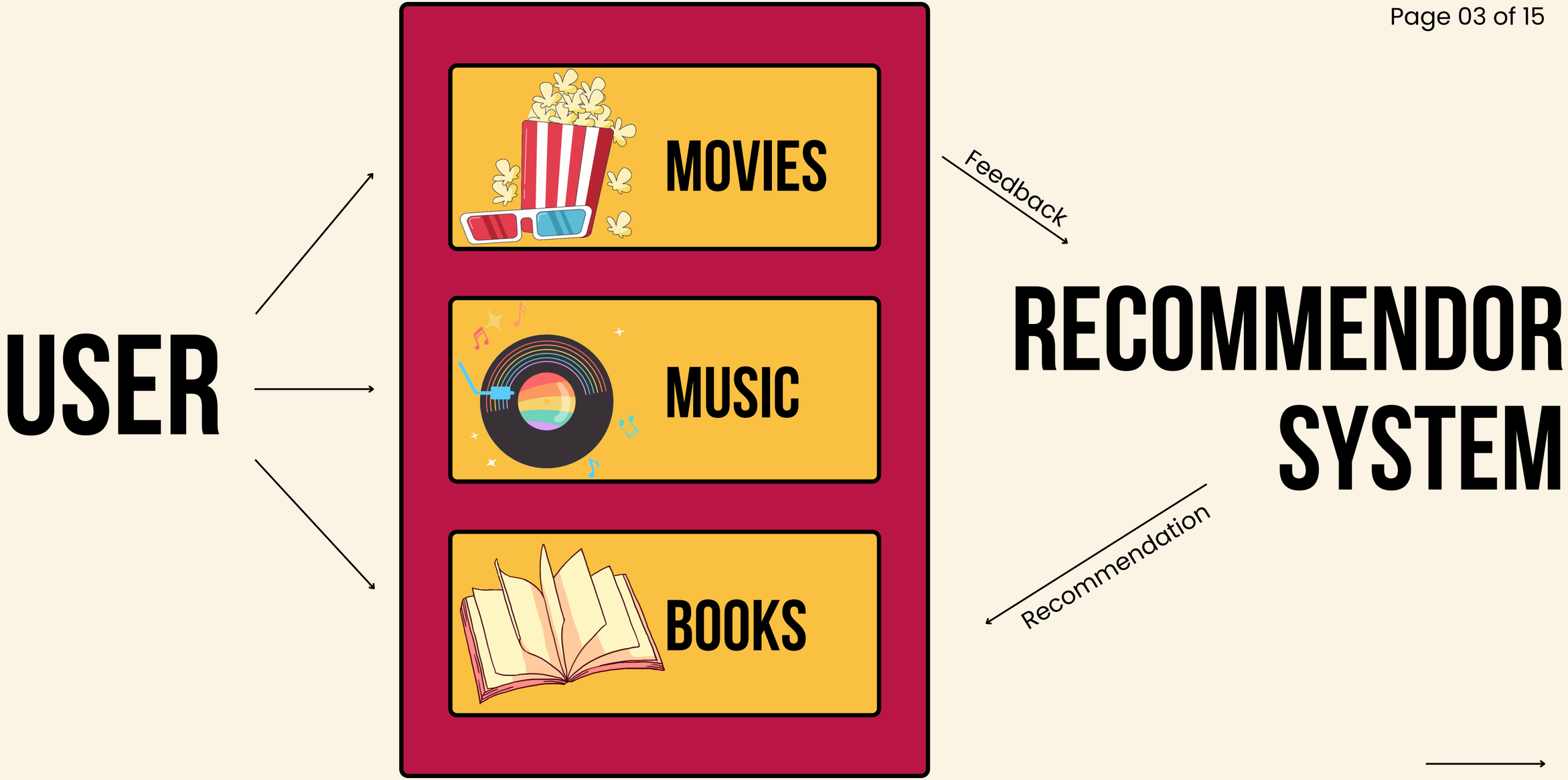
5CSE 1-EVE

What is a RECOMMENDOR SYSTEM

An algorithm that suggests relevant items to users.


USER
MOVIES
MUSIC
BOOKS
Feedback
Recommendation
RECOMMENDOR SYSTEM

TYPES OF RECOMMENDER SYSTEMS

1

COLLABORATIVE

Many different users data is being used to recommend similar items if the user interaction is similar for two different users.

2

CONTENT

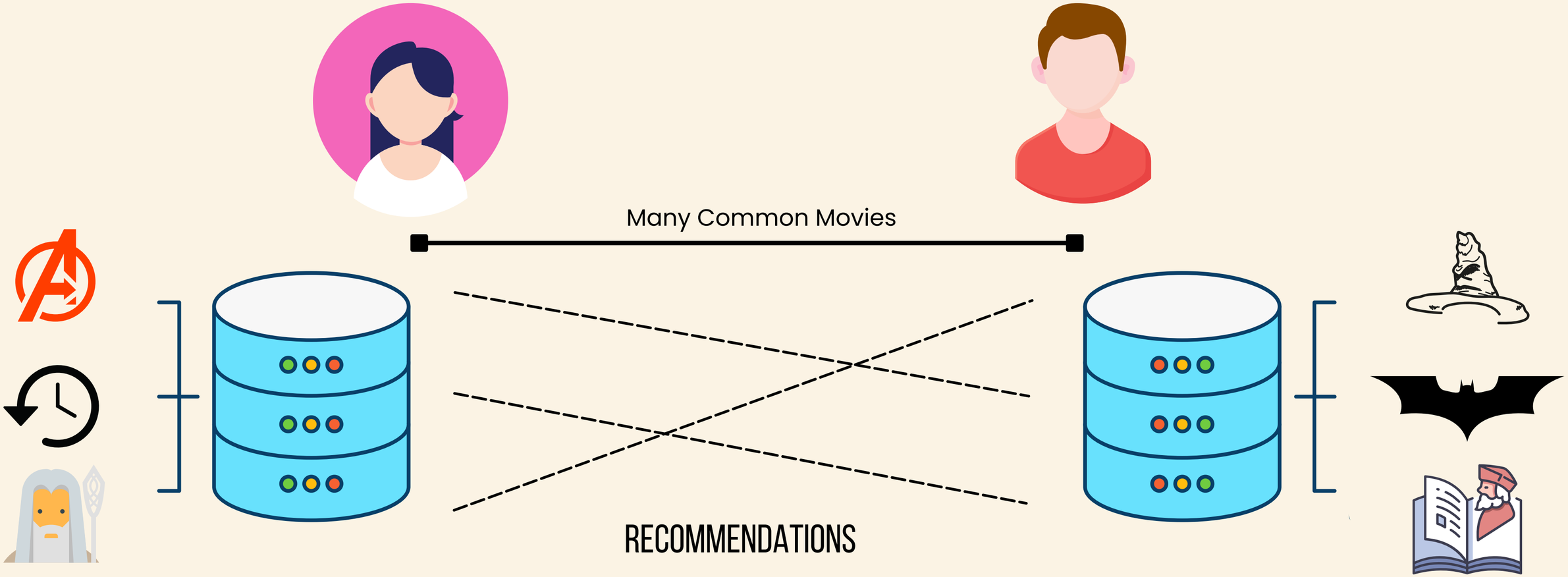
The content based recommended system is essentially a user specific filtering. It uses some features to evaluate user preferences (rating, dislikes, likes).

3

HYBRID

Both content based and collaborative approaches address certain problems and this method uses both to recommend accurate product to the users.

COLLABORATIVE FILTERING



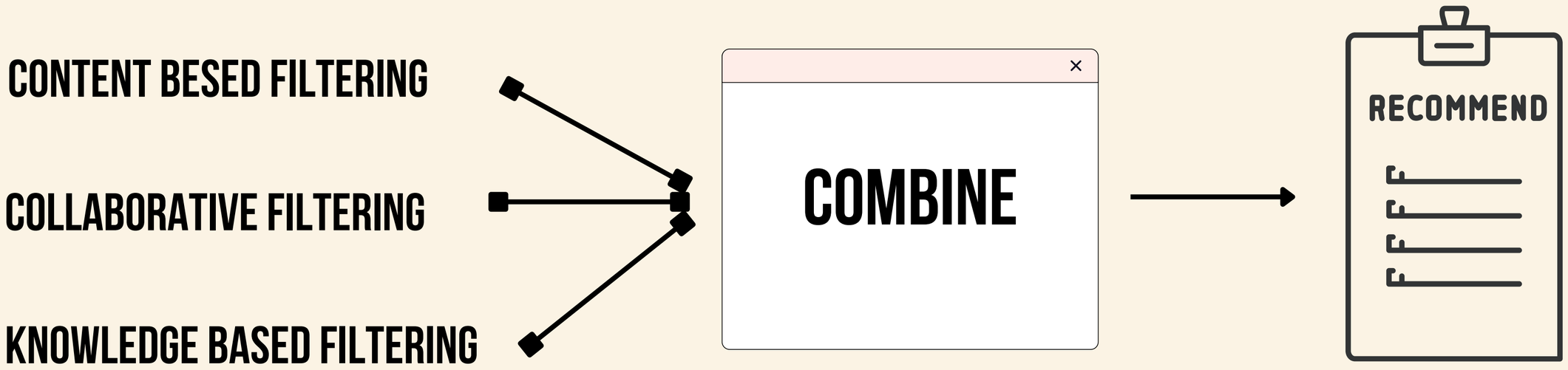
CONTENT FILTERING

USER

HISTORY

RECOMMENDATIONS

HYBRID FILTERING



WHY WE NEED HYBRID METHOD ?

LIMITATIONS OF

CONTENT AND COLLABORATIVE FILTERING

Why CONTENT BASED FILTERING

Content based filtering is easier to implemet for such a small project . Because the dataset is freely available and this type of recommender system doesn't require different user datas for recommendation.

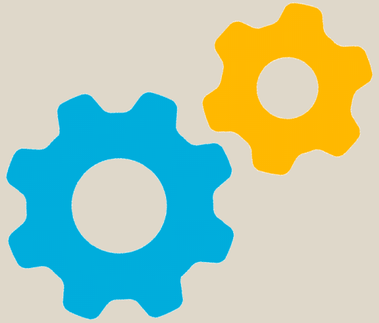
EASILY AVALABLE DATASET

NO MONETERING REQUIRED

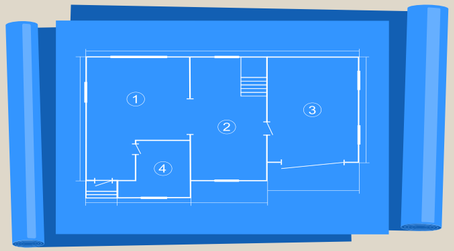
EASY TO IMPLEMENT

PROJECT FLOW

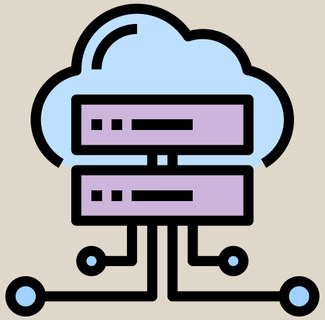
DATA



PRE PROCESSING



MODEL



DEPLOY

WHAT I USED

TMDB DATASET

jupyter

PROJECT JUPYTER

PC

PYCHARM

The MODELING

This is the method I followed to pre-process the dataset into new datasets.

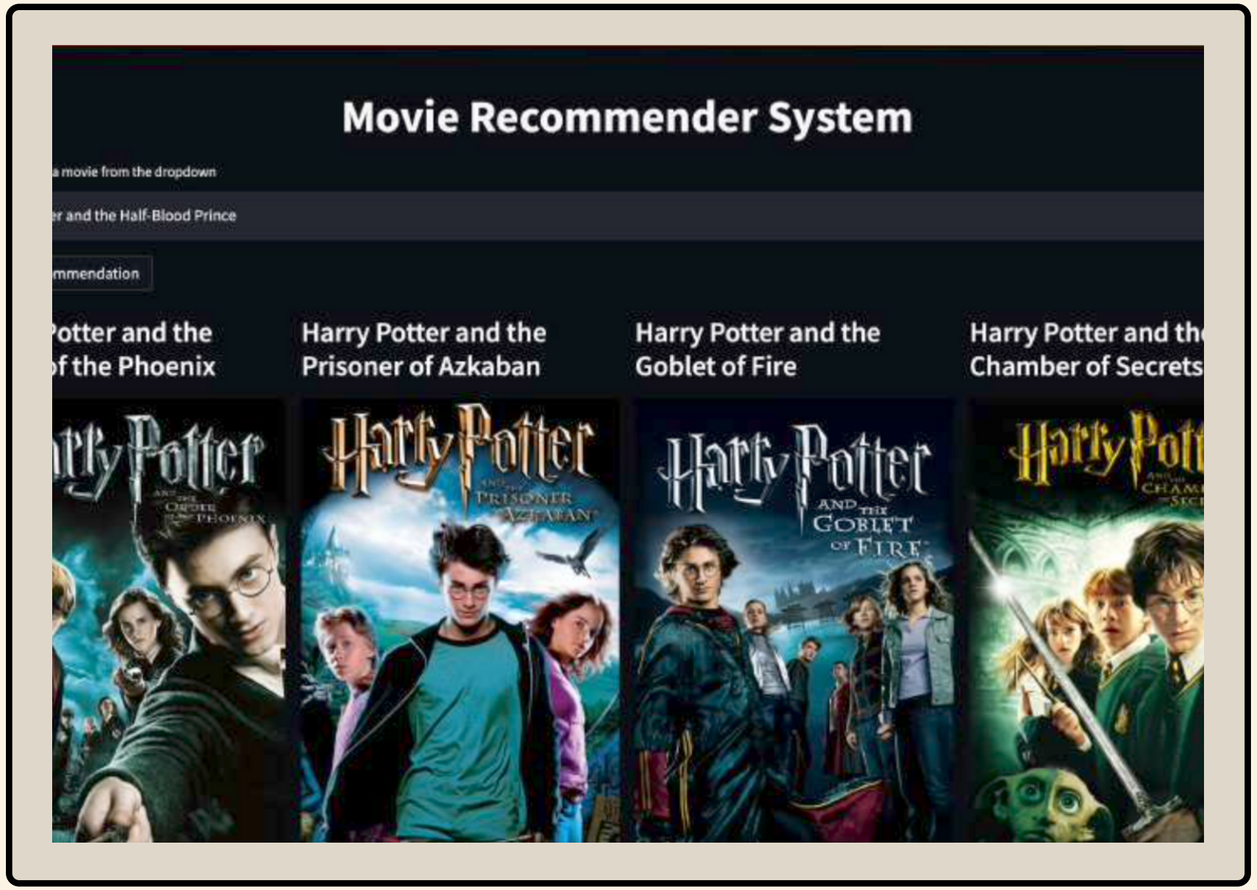
IMPORTING CSV'S

COMBINING THE DATASETS

DROPPING UNNECESSARY DATA

EXPORTING THE NEW DATASETS

TESTING WITH AN EXAMPLE



STREAMLIT

- Fetching the movie posters through an already available API.
- Retrieving the data from the pre-processed data .
- Designing the web app.

DEMONSTERATION