

Cine_Match

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- CineMatch is a web-based movie recommendation system developed using Streamlit.
- Users can add, search, recommend, and delete movies.
- Genre and language-based filtering.

KEY FEATURES :

01. Add movies with title, genre, and rating,language,production

02. Search movies by title or genre,language,production

03. Recommend N movies based on ratings.(Top,Bottom)

04. Delete movies by title.

Concepts used

Key Concepts Utilized:

1. Data Structures:

- Lists and Dictionaries

- Lists: Used for storing collections of movies and managing dynamic data.
- Dictionaries: Employed for fast lookup of movie details based on keys (e.g., title).

2. Sorting Algorithms:

- Sorting by Ratings

- Implemented to recommend top-rated movies.
- Algorithm: Utilizes Python's sorted() function with custom key for sorting by movie ratings.

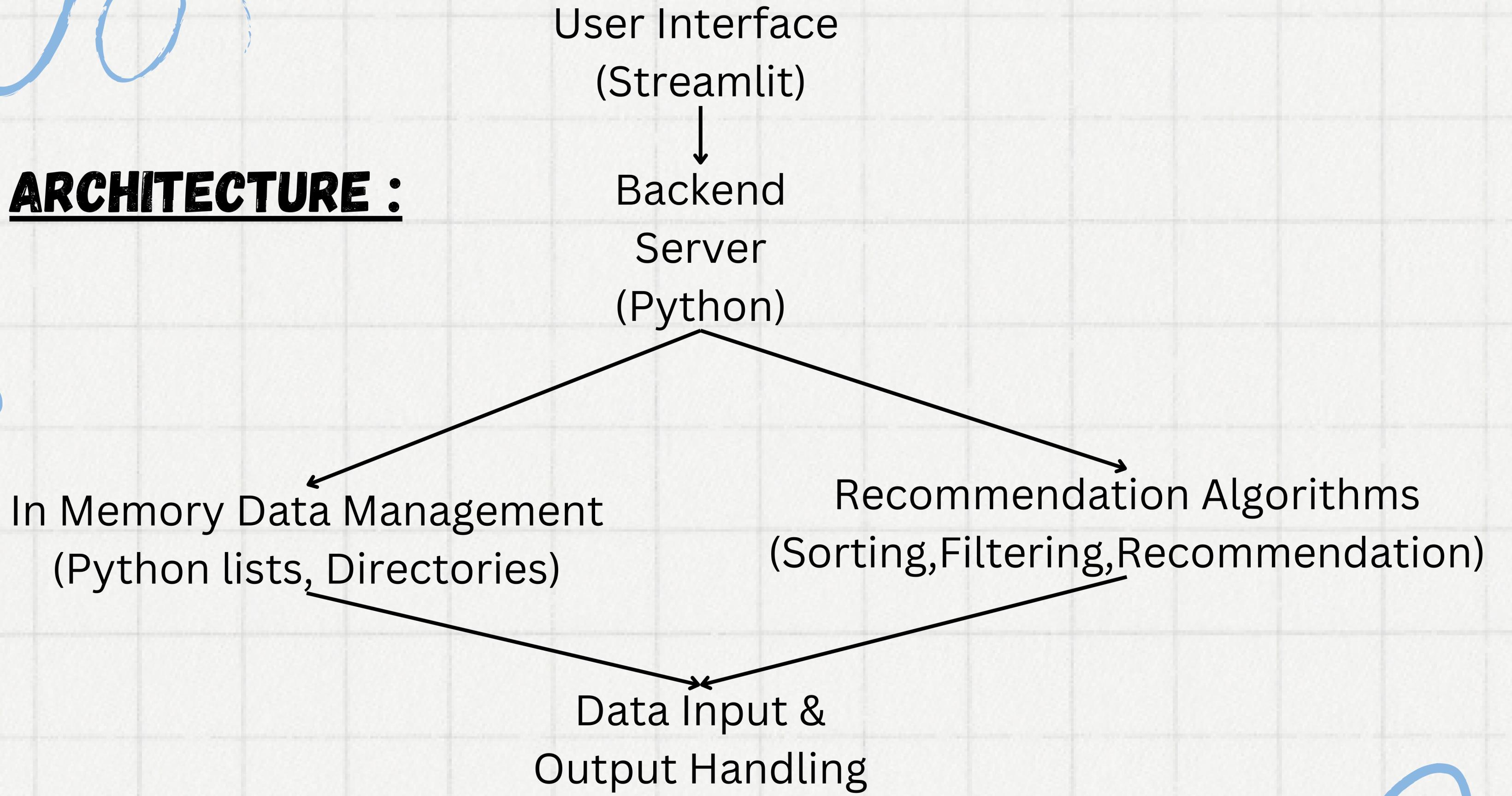
3. Searching Algorithms:

- Search by Title, Genre, and Language

- Enables users to find specific movies based on various criteria.
- Implementation: Utilizes list comprehensions and filtering methods in Python for efficient searching.



ARCHITECTURE :



SNIPPET :

Add a New Movie

Title
dispicable me

Genre
comedy

Rating
6.00 - +

Language
english

Production
Other

[Add Movie](#)

Search Movies by Title

Search Title

Search by Title

Search Movies by Genre

Search Genre

Search by Genre

Search Movies by Language

Search Language

Search by Language

Search Movies by Production

Filter by Production

Filter by Production

Recommend N Movies

Number of Top Movies:

Sort Order

Recommend

Delete a Movie by Title

Delete Title

Delete

This is a feature if an user enters two ratings of same movie you it counts both and give the final rating

Add a New Movie

Title
dispicable me

Genre
comedy

Rating
6.00

Language
english

Production
Other

Add Movie

Add a New Movie

Title
dispicable me

Genre
comedy

Rating
7.00

Language
english

Production
Other

Add Movie

All Movies

	title	genre	rating	language	production
0	dispicable me	comedy	6.5000	english	Other

THANK YOU !