

To run this program, the pre-requisites are

1. Install Python
2. pip install requests pandas openpyxl
3. I have gotten the API key from TNDB. It's pre inputed in the code.

After running the program (Scenario- 1)

1. Sort by Newest Releases- This will show the movies sorted with new release date.
2. Min Year- Selected 2025
3. Max Year- Selected 2025
4. Language/Region- Hindi (Bollywood)
5. Genre- None selected (This will choose all "Genres")

Click on "GET RECOMMENDATIONS"

The program will show the Results

The screenshot shows a web-based movie recommendation application. At the top, there is a header bar with the title "Movie Recommender". Below the header, the main title "Discover Your Next Favorite Movie" is centered. There are four input fields: "Sort By" (set to "Newest Releases"), "Min Year" (set to 2025), "Max Year" (set to 2025), and "Language/Region" (set to "Hindi (Bollywood)"). Below these fields is a section for "Genres" with checkboxes for Action, Adventure, Animation, Comedy, Crime, Documentary, Drama, Family, Fantasy, Horror, Thriller, and Western. A large green button labeled "GET RECOMMENDATIONS" is positioned below the genre section. The results area contains a heading "... Page 1 Results ..." followed by a list of movie titles and their ratings. At the bottom of the results area are two buttons: "Get more results" and "Export to Excel".

Sort By: Newest Releases

Min Year: 2025

Max Year: 2025

Language/Region: Hindi (Bollywood)

Genres:

<input type="checkbox"/> Action	<input type="checkbox"/> Adventure	<input type="checkbox"/> Animation	<input type="checkbox"/> Comedy	<input type="checkbox"/> Crime	<input type="checkbox"/> Documentary
<input type="checkbox"/> Drama	<input type="checkbox"/> Family	<input type="checkbox"/> Fantasy	<input type="checkbox"/> Horror	<input type="checkbox"/> Thriller	<input type="checkbox"/> Western

GET RECOMMENDATIONS

... Page 1 Results ...

- [HI] Tu Meri Main Tera Main Tera Tu Meri (2025) - ★ 0.0
- [HI] Durlabh Prasad Ki Dusri Shadi (2025) - ★ 0.0
- [HI] Raat Akeli Hai: The Bansal Murders (2025) - ★ 0.0
- [HI] Janki (2025) - ★ 0.0
- [HI] Apna Amitabh (2025) - ★ 0.0
- [HI] Sholay: The Final Cut (2025) - ★ 10.0
- [HI] The Great Shamsuddin Family (2025) - ★ 0.0
- [HI] Kis Kisko Pyaar Karoon 2 (2025) - ★ 0.0
- [HI] Saali Mohabbat (2025) - ★ 0.0
- [HI] Mamta Child Factory (2025) - ★ 0.0
- [HI] Dhurandhar (2025) - ★ 6.3
- [HI] Flames (2025) - ★ 0.0
- [HI] Parvati (2025) - ★ 10.0
- [HI] Susu (2025) - ★ 0.0
- [HI] Ma Na Peeta Ma Play (2025) - ★ 0.0

Get more results Export to Excel

If you need more results, click on the blue button, it will show more results

Movie Recommender

Discover Your Next Favorite Movie

Sort By: Newest Releases

Min Year: 2025

Max Year: 2025

Language/Region: Hindi (Bollywood)

Genres:

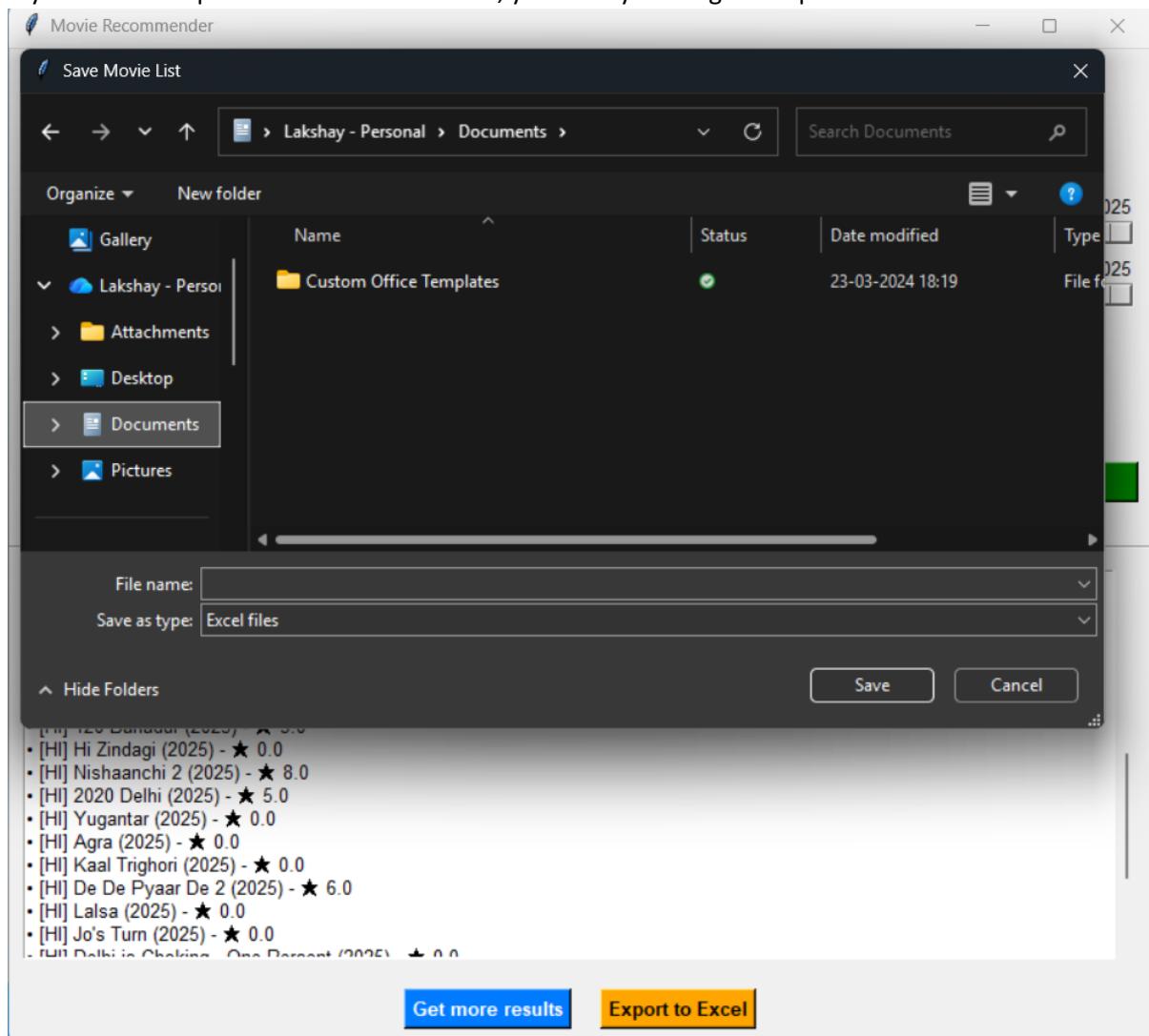
- Action Adventure Animation Comedy Crime Documentary
- Drama Family Fantasy Horror Thriller Western

GET RECOMMENDATIONS

• [HI] Ghor (2025) - ★ 0.0
--- Page 2 Results ---
• [HI] Hind Ki Chadar - Guru Ladho Re (2025) - ★ 0.0
• [HI] Mastiii 4 (2025) - ★ 6.0
• [HI] Dining with the Kapoors (2025) - ★ 1.0
• [HI] 120 Bahadur (2025) - ★ 5.0
• [HI] Hi Zindagi (2025) - ★ 0.0
• [HI] Nishaanchi 2 (2025) - ★ 8.0
• [HI] 2020 Delhi (2025) - ★ 5.0
• [HI] Yugantar (2025) - ★ 0.0
• [HI] Agra (2025) - ★ 0.0
• [HI] Kaal Trighori (2025) - ★ 0.0
• [HI] De De Pyaar De 2 (2025) - ★ 6.0
• [HI] Lalsa (2025) - ★ 0.0
• [HI] Jo's Turn (2025) - ★ 0.0
• [HI] Delhi in Chaking - One Percent (2025) - ★ 0.0

Get more results **Export to Excel**

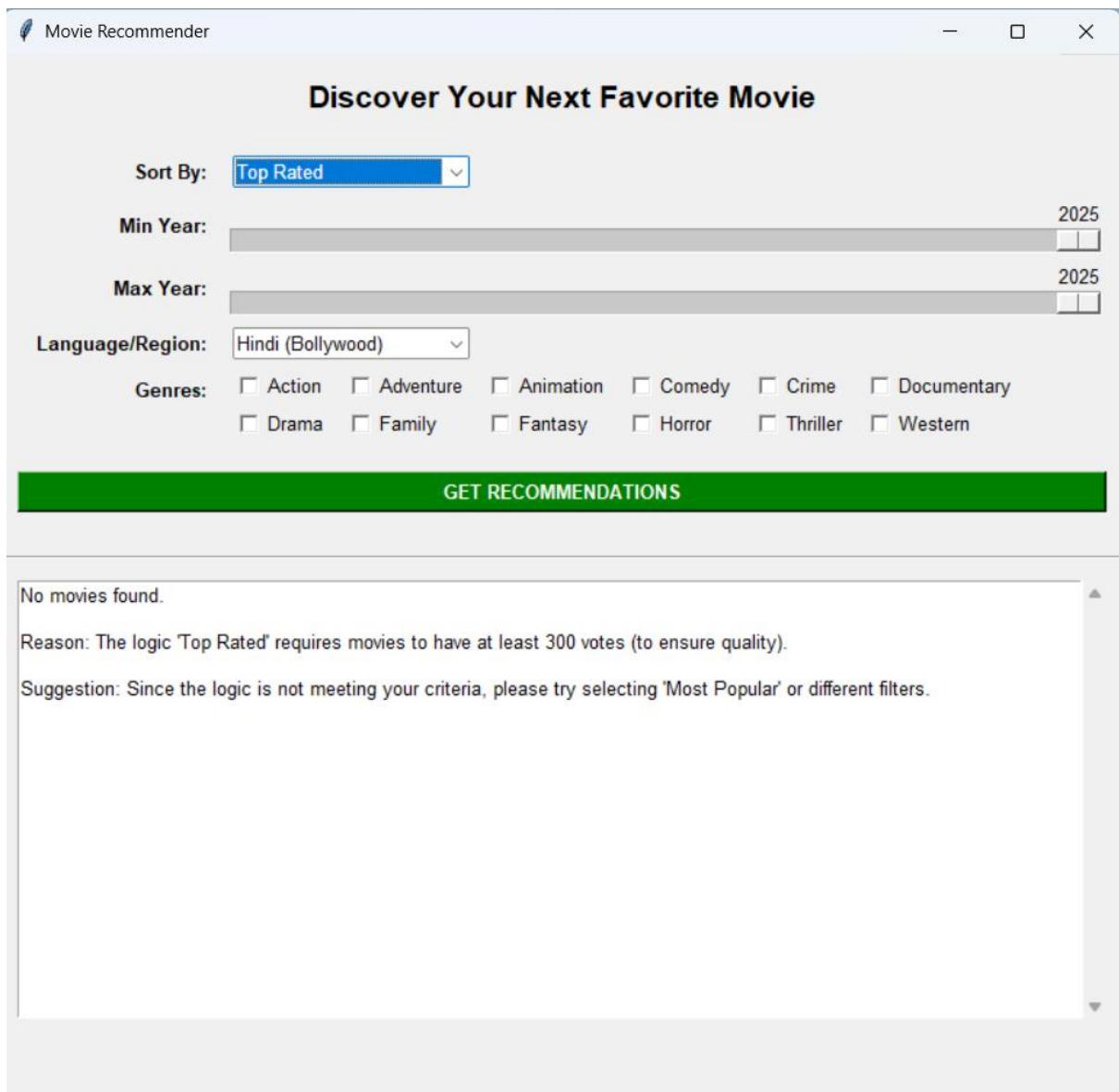
If you want to export the results in an Excel, you can by clicking the Export to Excel Button



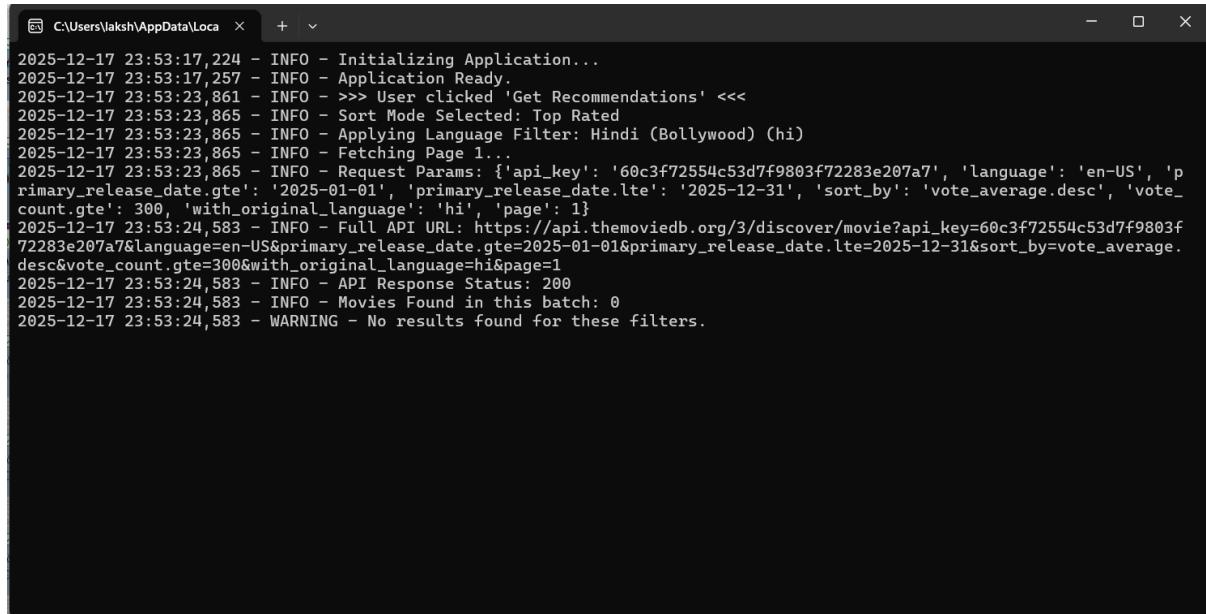
Script Logic

Mode	What it sorts by	The "Secret Sauce" (Vote Count)
Top Rated	Quality (0-10)	Must have many votes (300+) to prove it's real.
Most Popular	Hype (Buzz)	Ignores votes, focuses on activity.
Newest	Date (Time)	Allows 0 votes (because it's brand new).
Hidden Gems	Quality (0-10)	Must have few votes (<1000) to keep it niche.

If the Logic doesn't meet, the UI shows the error message.



Everything is logged in CMD as well.



A screenshot of a Windows Command Prompt window titled "C:\Users\laksh\AppData\Loca". The window contains a log of application events. The log starts with "INFO - Initializing Application..." and continues through various user interactions like clicking recommendations and applying language filters. It also shows a detailed API request being made to the MovieDB API, including the URL and parameters. The log ends with a warning about no results found for certain filters.

```
2025-12-17 23:53:17,224 - INFO - Initializing Application...
2025-12-17 23:53:17,257 - INFO - Application Ready.
2025-12-17 23:53:23,861 - INFO - >>> User clicked 'Get Recommendations' <<<
2025-12-17 23:53:23,865 - INFO - Sort Mode Selected: Top Rated
2025-12-17 23:53:23,865 - INFO - Applying Language Filter: Hindi (Bollywood) (hi)
2025-12-17 23:53:23,865 - INFO - Fetching Page 1...
2025-12-17 23:53:23,865 - INFO - Request Params: {'api_key': '60c3f72554c53d7f9803f72283e207a7', 'language': 'en-US', 'primary_release_date.gte': '2025-01-01', 'primary_release_date.lte': '2025-12-31', 'sort_by': 'vote_average.desc', 'vote_count.gte': 300, 'with_original_language': 'hi', 'page': 1}
2025-12-17 23:53:23,865 - INFO - Full API URL: https://api.themoviedb.org/3/discover/movie?api_key=60c3f72554c53d7f9803f72283e207a7&language=en-US&primary_release_date.gte=2025-01-01&primary_release_date.lte=2025-12-31&sort_by=vote_average.desc&vote_count.gte=300&with_original_language=hi&page=1
2025-12-17 23:53:24,583 - INFO - API Response Status: 200
2025-12-17 23:53:24,583 - INFO - Movies Found in this batch: 0
2025-12-17 23:53:24,583 - WARNING - No results found for these filters.
```