

UNIVERSITY OF BARI
"ALDO MORO"

Semantics Project

IT DEPARTMENT
MASTER DEGREE IN COMPUTER SCIENCE

Case of study in
Semantics in intelligent information access

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Chapter 1

Presentation

1.1 Introduction

This project aim is to understand the limit of a LLM used as recommender system by changing the input prompt.

Understanding the limit means understanding how many recommendation the LLM will generate before starting to fail or generating them wrong.

We will apply this case test to recommend films to users based on their preferences.

1.2 Model Informations

The used model is **Llama-2-7b-chat**.

We have chosen this model because it is open-source and because it is one of the best pre-trained LLM that allows us to quickly start testing its limit with different prompts.

7B means the number of Params used, 7B is the smaller one. To test multiple users we needed to run the model on multiple GPUs and so we used the HuggingFace version available [here](#)

Carbon Footprint

Pretraining utilized a cumulative 3.3M GPU hours of computation on hardware of type A100-80GB (TDP of 350-400W). Estimated total emissions were 539 tCO₂eq (31.22 for Llama 2 7B), 100% of which were offset by Meta's sustainability program.

Time (GPU hours)	Power Consumption (W)	Carbon Emitted (tCO ₂ eq)
184320	400	31.22

[1]

Training Data

Overview

Llama 2 was pretrained on 2 trillion tokens of data from publicly available sources. The fine-tuning data includes publicly available instruction datasets, as well as over one million new human-annotated examples. Neither the pretraining nor the fine-tuning datasets include Meta user data. [1]

Data Freshness

The pretraining data has a cutoff of September 2022, but some tuning data is more recent, up to July 2023. [1]

Evaluation of pretrained LLMs on automatic safety benchmarks

For TruthfulQA, we present the percentage of generations that are both truthful and informative (the higher the better). For ToxiGen, we present the percentage of toxic generations (the smaller the better).

TruthfulQA	Toxigen
57.04	0.00

[1]

Ethical Considerations and Limitations

Llama 2 is a new technology that carries risks with use. Testing conducted to date has been in English, and has not covered, nor could it cover all scenarios. For these reasons, as with all LLMs, Llama 2's potential outputs cannot be predicted in advance, and the model may in some instances produce inaccurate, biased or other objectionable responses to user prompts. Therefore, before deploying any applications of Llama 2, developers should perform safety testing and tuning tailored to their specific applications of the model.

Please see the Responsible Use Guide available at <https://ai.meta.com/llama/responsible-use-guide/>

[1]

Used environment

We have used Anaconda virtual environment with Python 3.8.18, following the Meta guidelines to quickly install and use this model <https://github.com/facebookresearch/llama>

Requirement

The following libraries are required:

- torch
- fairscale
- fire
- sentencepiece

System used

The information about the system used for this project are the following:

- CPU: Intel Core i7-8700k
- GPU: RTX 2080 8 GB

- RAM: 32GB DDR4 3200 MHz
- Operating System: Windows 11

Chapter 2

Downloading and installing the requirements

2.1 Downloading

To download this model clone the github repository [Here](#)
 Download the model with all the necessary file from [Here](#) and extract the folder "llama-2-7b-chat" in ". /your_path/Semantics2024/llama". To download the HF model clone the repository [here](#)

2.2 Installing the requirements

We have used a Windows 11 operating system to run this model, steps may vary based on your operating system.

To use this model CUDA libraries are required, in the following steps is described the method to install CUDA and all the necessary requirements:

1. Download Anaconda [Here](#)
2. Install Anaconda
3. Download CUDA 12.1 [Here](#)
4. Install CUDA
5. Create a new conda environment using console or Anaconda Navigator
6. Select Python 3.8.18 as Python version for the new environment
7. Make sure to open a terminal in the new environment and run the following command: "conda install pytorch torchvision torchaudio pytorch-cuda=12.1 -c pytorch -c nvidia"
8. Using the terminal install the libraries required:
 - pip install torch
 - pip install fairscale
 - pip install fire
 - pip install sennencepiece
9. Modify the pyhton.exe path into "torchrun-script.py":

- Open the folder of the conda environment used and search the file "torchrun-script.py"
 - Open the file in an editor
 - Change the path in the first line with the path of your "python.exe" file inside the used conda environment
 - Save and close the file
10. Using the terminal navigate in the repository folder `"./Semantincs2024"`

Chapter 3

Using the model

3.1 Chat with the model

1. To chat with the model, navigate in the "./Semantics2024" folder
2. Open a terminal using the conda environment created before
3. Run the following command:
 - `torchrun -nproc_per_node 1 ./test_scripts/test_one/test_one_chat.py -ckpt_dir ./llama/llama-2-7b-chat/ -tokenizer_path ./llama/tokenizer.model -max_seq_len 4096 -max_batch_size 4`
4. Modify the `max_batch_size` value based on your GPU memory, in the case of the machine used 4 was the limit.
5. Follow the output of the console

3.2 Testing the model with the script

1. To chat with the model, navigate in the "./Semantics2024" folder
2. Open a terminal using the conda environment created before
3. Run the following command:
 - `torchrun -nproc_per_node 1 ./test_scripts/test_two.py -ckpt_dir ./llama/llama-2-7b-chat/ -tokenizer_path ./llama/tokenizer.model -max_seq_len 4096 -max_batch_size 4`
4. Modify the `max_batch_size` value based on your GPU memory, in the case of the machine used 4 was the limit.
5. Follow the output of the console:
 - Choose the type of test between using the favourite genres or the complete list of the favourite films.
 - Choose if using or not the system tag
 - Choose the user and confirm your choice
6. The result will be printed in the console and saved on a txt file having the timestamp as name

This code is usable from `test_one` to `test_five`.

For the test sixth and seventh clone the HF Llama into `root/meta-llama/` and run the python file.

Chapter 4

Test carried out

4.1 Managing the dataset

To test the model we have used the dataset made of 3 different files:

1. test_rating/ratings_frame.csv
2. train_rating/rarings_frame.csv
3. movie.dat

Both the train file and train file have 5974 users and for each of them a list of movies with the favourite score. Each movie is linked to the user via his id.

Example:

1,2321,3.0.

User: 1, movie id: 2321, score: 3.0.

The file movie.dat contains the reference for each id to the movie name, year of release and genres of the movie.

Example:

2::Jumanji (1995)::Adventure|Children's|Fantasy

Movie id: 2, movie name: Jumanji, year of release: 1995, genres: adventure, children's, fantasy.

To use this data we have created 2 json files, one from the test set and one from the train set to have a direct link between user and movies data.

The script used to create this 2 json files is "dataset/create_dataset.py".

We have used the data from the test set to perform this tests.

Example:

```
"1": [
  ["Drama", "Comedy"],
  {
    "Pleasantville": ["3.0", "2321"],
    "Apollo 13": ["5.0", "150"],
    "Back to the Future": ["5.0", "1270"],
    "The Sixth Sense": ["4.0", "2762"],
    "Saving Private Ryan": ["5.0", "2028"],
    "The Last Days of Disco": ["5.0", "1836"],
    "Dead Poets Society": ["4.0", "1246"],
    "Aladdin": ["4.0", "588"]
  }
]
```

4.2 First test

The first test was trying the functionality of the model by submitting different prompt to the model.

We have used the "system", "user" and "agent" tag to try all the different functionality.

Logs of the test

This are the logs of the test:

1. **User:**
I like Breaking Bad and The 100, what do you reccomend?

Assistant:

If you like Breaking Bad and The 100, here are some other TV shows that you might enjoy:

1. *Narcos* - This Netflix series tells the true story of the rise and fall of Colombian drug kingpin Pablo Escobar and the DEA agents tasked with bringing him down. Like Breaking Bad, it features complex characters, intense action, and a gripping storyline.
2. *Peaky Blinders* - Set in post-World War I England, this BBC series follows a gangster family as they navigate the criminal underworld and the changing political landscape. It has a similar mix of drama, action, and historical context as Breaking Bad.
3. *Sons of Anarchy* - This FX series follows the lives of a motorcycle club involved in illegal activities, and explores themes of loyalty, family, and power. Like The 100, it has a gritty, intense atmosphere and complex characters.
4. *The Wire* - This HBO series explores the drug trade in Baltimore from multiple perspectives, including law enforcement, drug dealers, and politicians. Like Breaking Bad, it's known for its complex characters, gripping storylines, and social commentary.
5. *Better Call Saul* - This AMC series is a prequel to Breaking Bad and follows the story of small-time lawyer Jimmy McGill as he becomes the morally ambiguous lawyer Saul Goodman. It has a similar tone and style to Breaking Bad, with complex characters and a gripping storyline.
6. *Orange is the New Black* - This Netflix series follows the lives of women inmates in a prison and explores themes of justice, power, and survival. Like The 100, it has a diverse cast and a gritty, intense atmosphere.
7. *True Detective* - This HBO series follows two detectives as they investigate a series of crimes in Louisiana, and explores themes of identity, power, and the human condition. Like Breaking Bad, it has a slow-burning, atmospheric pace and complex characters.
8. *The Shield* - This FX series follows a corrupt police detective and his team as they navigate.

2. **User:**
I like a lot horror movies, can you rank for me Alien, Indiana Jones, Pokemon?

Assistant:

Sure, I'd be happy to rank these three franchises for you! Keep in mind that these rankings are subjective and may vary depending on personal preferences. Here's how I would rank Alien, Indiana Jones, and Pokémon:

1. **Alien:**

Alien is a classic horror franchise that has been terrifying audiences for decades. The original movie (1979) is widely considered a masterpiece of the genre, with its tense atmosphere, groundbreaking special effects, and iconic creature design. The franchise has since spawned several sequels and spin-offs, including Aliens (1986), Alien 3 (1992), and Alien: Resurrection (1997). While some of these later installments have received mixed reviews, the overall quality of the franchise remains high.

Ranking: 9/10

2. **Indiana Jones:**

Indiana Jones is an action-adventure franchise that has been entertaining audiences since 1981. The original movie, *Raiders of the Lost Ark*, is widely regarded as one of the greatest films of all time, with its mix of thrilling action sequences, witty dialogue, and memorable characters. The franchise has since expanded to include three more movies: *Indiana Jones and the Temple of Doom* (1984), *Indiana Jones and the Last Crusade* (1989), and *Indiana Jones and the Kingdom of the Crystal Skull* (2008). While the later installments have received some criticism, the overall quality of the franchise remains high.

Ranking: 8.5/10

3. **Pokémon:** Pokémon is a popular franchise that has been around since 1996, with a wide range of movies, TV shows, video games, and other media. The franchise follows the adventures of a young trainer named Ash Ketchum and his Pokémon companions as they travel through different regions and battle other trainers. While some of the movies have received mixed reviews, the overall quality of the franchise remains high, with a dedicated fan base and a consistent stream of

3. **Preferences:**
Answer knowing that i like a lot horror movies

1. First choice:
 - Test with genre
 - Test with favourite film
2. Second choice:
 - Test using system prompt
 - Test without system prompt

After the choice we give the opportunity to select the user to use for the test.

First approach

In the first approach we used 4 test:

1. Test with genre using the system tag
2. Test with genre without using the system tag
3. Test with movies using the system tag
4. Test with movies without using the system tag

For each test we ask Llama to recommend "some films" without specifying a number. The user number 7 has been used to perform this test.

Test with genre using the system tag

System:

This are my favourite film genres: Drama, Action

User:

Suggest me films based on my favourite genres

Assistant:

Great! Based on your favorite film genres, here are some movie suggestions:

Drama:

1. The Shawshank Redemption (1994) - a highly acclaimed drama film about the journey of two prisoners.
2. The Godfather (1972) - a classic drama film that explores the world of organized crime and the moral consequences of power.
3. 12 Angry Men (1957) - a gripping drama film about a jury deliberating the fate of a young man accused of murder.
4. Schindler's List (1993) - a powerful drama film that tells the true story of Oskar Schindler, a German businessman who saves the lives of thousands of Jews during the Holocaust.
5. Manchester by the Sea (2016) - a drama film about a man who returns to his hometown after his brother's death and must confront his past and take care of his teenage nephew.

Action:

1. The Dark Knight (2008) - an action-packed superhero film that follows Batman as he battles the Joker and his henchmen in Gotham City.
 2. Mad Max: Fury Road (2015) - an adrenaline-fueled action film set in a post-apocalyptic world, where Max and Furiosa must fight against the tyrannical leader Immortan Joe.
 3. The Matrix (1999) - a groundbreaking science fiction film that follows Neo, a computer hacker who discovers that the world he knows is actually a simulated reality created by machines.
 4. Mission: Impossible - Ghost Protocol (2011) - an action-packed spy thriller that follows Ethan Hunt and his team as they try to clear their names after they are framed for a terrorist attack.
 5. The Bourne Identity (2002) - an action-packed spy thriller that follows Jason Bourne, an amnesiac assassin who tries to uncover his true identity and take down a secret government agency.
- I hope you enjoy these recommendations! Let me know if you have any other preferences or if you'd like more suggestions.

Test with genre without using the system tag

User:

This are my favourite film genres: Drama, Action. Suggest me films based on my favourite genres

Assistant:

Great! Based on your favorite genres, here are some film recommendations:

Drama:

1. The Shawshank Redemption (1994) - a highly acclaimed and emotional drama about the journey of two prisoners
2. The Godfather (1972) - a classic crime drama that explores the world of organized crime and the moral consequences of the choices made by the characters.
3. Schindler's List (1993) - a historical drama that tells the story of Oskar Schindler, a German businessman who saves the lives of thousands of Jews during the Holocaust.
4. 12 Years a Slave (2013) - a powerful drama based on the true story of Solomon Northup, a free black man who is kidnapped and sold into slavery in the 19th century.
5. Manchester by the Sea (2016) - a drama about a man who returns to his hometown after his brother's death and must confront his past and take care of his teenage nephew.

Action:

1. The Dark Knight (2008) - an action-packed superhero film that follows Batman as he tries to stop the Joker from wreaking havoc on Gotham City.
2. Mad Max: Fury Road (2015) - an adrenaline-fueled post-apocalyptic action film that follows Max Rockatansky as he teams up with a group of women fighting against a tyrannical leader.
3. The Matrix (1999) - a groundbreaking science fiction film that follows Neo as he discovers the truth about the simulated reality he lives in and must fight against the machines that have taken over the world.
4. Mission: Impossible - Ghost Protocol (2011) - an action-packed spy thriller that follows Ethan Hunt and his team as they try to clear their names after they are framed for a terrorist attack.
5. The Bourne Identity (2002) - an action-packed spy thriller that follows Jason Bourne as he tries to uncover the truth about his past and the conspiracy that created him.

I hope you enjoy these recommendations! Let me know if you have any other preferences or if you would like more recommendations based on these genres.

Test with movies using the system tag

System:

This are my favourite film: Hamlet, Hard-Boiled (Lashou shentan), Backdraft, Total Recall, Speed, Deconstructing Harry, True Romance, Hilary and Jackie, Apollo 13, Nixon, High Fidelity, Clear and Present Danger

User:

Suggest me films based on my favourite films

Assistant:

Great! Based on the films you've listed, here are some movie recommendations that you might enjoy:

1. The Shawshank Redemption (1994) - Like Hamlet, this film is a classic drama with a strong focus on character development and themes of hope and redemption.
2. The Usual Suspects (1995) - Similar to Hard-Boiled, this film is a crime thriller with a complex plot and memorable characters.
3. The Matrix (1999) - Like Backdraft, this film is a thought-provoking sci-fi actioner that explores the nature of reality and the impact of technology on society.
4. Minority Report (2002) - Similar to Total Recall, this film is a futuristic action thriller that delves into themes of identity and free will.
5. The Fugitive (1993) - Like Speed, this film is a tense, action-packed thriller that keeps you on the edge of your seat.
6. Good Will Hunting (1997) - Like Deconstructing Harry, this film is a thought-provoking drama that explores themes of identity, human connection, and personal growth.
7. Pulp Fiction (1994) - Similar to True Romance, this film is a crime drama with a non-linear narrative and memorable characters.
8. Apollo 13 (1995) - Like Apollo 13, this film is a historical drama that explores the human spirit and the challenges of overcoming adversity.
9. The Grand Budapest Hotel (2014) - Like High Fidelity, this film is a quirky, offbeat comedy-drama that explores themes of identity, relationships, and the power of art.
10. Zero Dark Thirty (2012) - Like Clear and Present Danger, this film is a gripping, intense drama that explores the complexities of politics and the impact of events on individuals and society.

I hope you enjoy these recommendations! Let me know if you have any other questions.

Test with movies without using the system tag

User:

This are my favourite film: Hamlet, Hard-Boiled (Lashou shentan), Backdraft, Total Recall, Speed, Deconstructing Harry, True Romance, Hilary and Jackie, Apollo 13, Nixon, High Fidelity, Clear and Present Danger. Suggest me films based on my favourite films

Assistant:

Great! Based on your favorite films, here are some movie recommendations that you might enjoy:

1. The Usual Suspects (1995) - Like Hard-Boiled, this film is a crime thriller with a complex plot and memorable characters.
2. Pulp Fiction (1994) - Another crime drama with a non-linear narrative and intricate character development, similar to Hard-Boiled.
3. Memento (2000) - A psychological thriller with a unique narrative structure, similar to the non-linear storytelling in Backdraft.
4. The Fugitive (1993) - An action-packed thriller with a similar sense of urgency and suspense as Speed.
5. Good Will Hunting (1997) - A drama with a similar blend of humor, drama, and memorable characters as True Romance.
6. The Shawshank Redemption (1994) - A highly acclaimed drama with a similar blend of drama, suspense, and memorable characters as Hilary and Jackie.
7. Apollo 13 (1995) - A historical drama with a similar sense of urgency and suspense as Apollo 13.
8. The Departed (2006) - A crime drama with a similar blend of action, drama, and memorable characters as Nixon.
9. High Fidelity (2000) - A coming-of-age comedy-drama with a similar blend of humor, music, and memorable characters as High Fidelity.
10. Clear and Present Danger (1994) - An action-packed thriller with a similar sense of urgency and suspense as Clear and Present Danger.

I hope you enjoy these recommendations! Let me know if you have any other questions.

Considerations

Without asking for a specific number of movies in output the number of suggested movies was always 10. Using the tag system did not lead to different results.

Second approach

In the second approach we used 4 test:

1. Test with genre using the system tag
2. Test with genre without using the system tag
3. Test with movies using the system tag
4. Test with movies without using the system tag

For each test we ask Llama to recommend 30 movies. The user number 7 has been used to perform this test.

Test with genre using the system tag**System:**

This are my favourite film genres: Drama, Action

User:

Suggest me 30 films based on my favourite genres

Assistant:

Great! Based on your favorite genres, here are 30 films that you might enjoy:

Drama:

1. The Shawshank Redemption (1994)
2. The Godfather (1972)
3. 12 Angry Men (1957)
4. Schindler's List (1993)
5. The Social Network (2010)
6. Manchester by the Sea (2016)

7. The Fault in Our Stars (2014)
8. Lincoln (2012)
9. The Imitation Game (2014)
10. American Hustle (2013)

Action:

1. The Dark Knight (2008)
2. Mad Max: Fury Road (2015)
3. The Matrix (1999)
4. The Bourne Identity (2002)
5. Mission: Impossible (1996)
6. The Avengers (2012)
7. The Terminator (1984)
8. Die Hard (1988)
9. The Raid: Redemption (2011)
10. John Wick (2014)

I hope you enjoy these recommendations! Let me know if you have any other preferences or if you'd like more suggestions.

Test with genre without using the system tag

User:

This are my favourite film genres: Drama, Action. Suggest me 30 films based on my favourite genres

Assistant:

Great! Here are 30 films across the drama and action genres that you might enjoy:

Drama:

1. The Shawshank Redemption (1994)
2. The Godfather (1972)
3. The Dark Knight (2008)
4. 12 Angry Men (1957)
5. Schindler's List (1993)
6. Forrest Gump (1994)
7. The Green Mile (1999)
8. The Pursuit of Happyness (2006)
9. The Social Network (2010)
10. The Fighter (2010)
11. Silver Linings Playbook (2012)
12. American Beauty (1999)
13. The Matrix (1999)
14. Inception (2010)
15. Her (2013)
16. The Grand Budapest Hotel (2014)
17. The Imitation Game (2014)
18. The Theory of Everything (2014)
19. The Immigrant (2013)
20. Carol (2015)

Action:

1. The Terminator (1984)
2. Die Hard (1988)
3. Mad Max: Fury Road (2015)
4. The Bourne Identity (2002)
5. The Avengers (2012)
6. The Dark Knight Rises (2012)
7. John Wick (2014)
8. The Raid: Redemption (2011)
9. The Expendables (2010)
10. The Transporter (2002)
11. Casino Royale (2006)
12. The Bourne Ultimatum (2007)
13. The Amazing Spider-Man (2012)
14. The Wolverine (2013)
15. Guardians of the Galaxy (2014)
16. The Avengers: Age of Ultron (2015)
17. Furious 7 (2015)
18. Mission: Impossible - Rogue Nation (2015)
19. The Equalizer (2014)
20. Taken (2008)

I hope you find some great movies to watch! Let me know if you have any specific preferences or if you want more

recommendations.

Test with movies using the system tag

System:

This are my favourite film: Hamlet, Hard-Boiled (Lashou shentan), Backdraft, Total Recall, Speed, Deconstructing Harry, True Romance, Hilary and Jackie, Apollo 13, Nixon, High Fidelity, Clear and Present Danger

User:

Suggest me 30 films based on my favourite films

Assistant:

Great! Based on your favorite films, I'm going to suggest 30 movies that you might enjoy. Here are my recommendations:

1. The Shawshank Redemption (1994) - Like Hamlet, this film is a classic drama with a strong focus on character development and themes of hope and redemption.
2. The Godfather (1972) - Like Hard-Boiled, this is a crime drama that explores the darker side of human nature, with a gripping story and memorable characters.
3. The Silence of the Lambs (1991) - Like Backdraft, this is a suspenseful thriller that delves into the minds of complex characters, in this case, a serial killer and an FBI agent.
4. The Matrix (1999) - Like Speed, this film is a mind-bending sci-fi action movie that explores the nature of reality and the impact of technology on society.
5. Pulp Fiction (1994) - Like True Romance, this is a crime drama that features a complex, interconnected story with a cast of memorable characters.
6. Goodfellas (1990) - Like Hilary and Jackie, this film is a gritty crime drama that explores the lives of criminals and their impact on society.
7. JFK (1991) - Like Apollo 13, this film is a historical drama that explores a significant event in American history, in this case, the assassination of President John F. Kennedy.
8. The Usual Suspects (1995) - Like Clear and Present Danger, this film is a crime thriller that features a complex, interconnected story with a cast of memorable characters.
9. The Departed (2006) - Like High Fidelity, this film is a crime drama that explores the complexities of human relationships and the criminal underworld.
10. Memento (2000) - Like Deconstructing Harry, this film is a psychological thriller that explores the complexities of human memory and identity.
11. The Prestige (2006) - Like Nixon, this film is a historical drama that explores the complexities of power and the darker side of human nature.
12. The Prisoner (1967) - Like Hamlet, this film is a classic drama that explores themes of isolation, betrayal, and the human condition.
13. The Manchurian Candidate (1962) - Like Hard-Boiled, this film is a political thriller that explores the darker side of politics and the manipulation of power.
14. The Third Man (1949) - Like Backdraft, this film is a classic noir that explores the complexities of human relationships and the darker side of human nature.
15. Chinatown (1974) - Like Speed, this film is a crime drama that explores the complexities of power and corruption in 1930s Los Angeles.
16. The Big Lebowski (1998) - Like True Romance, this film is a quirky crime comedy that explores the complexities of human relationships and the criminal underworld.
17. Fargo (1996) - Like Hilary and Jackie, this film is a crime drama that explores the complexities of human relationships and the criminal underworld in a small-town Minnesota setting.
18. The Big Sleep (1946) - Like Apollo 13, this film is a classic noir that explores the darker side of human nature and the complexities of power.
19. Double Indemnity (1944) - Like JFK, this film is a classic noir that explores the complexities of human relationships and the darker side of human nature.
20. The Killing (1956) - Like High Fidelity, this film is a crime drama that explores the complexities of human relationships and the criminal underworld.
21. The Man Who Shot Liberty Valance (1962) - Like Clear and Present Danger, this film is a classic western that explores the complexities of power and the darker side of human nature.
22. The Wild Bunch (1969) - Like Deconstructing Harry, this film is a classic western that explores the complexities of human relationships and the darker side of human nature.
23. Butch Cassidy and the Sundance Kid (1969) - Like Nixon, this film is a classic western that explores the complexities of power and the darker side of human nature.
24. The Good, the Bad and the Ugly (1966) - Like Hamlet, this film is a classic western that explores the complexities of human relationships and the darker side of human nature.
25. Unforgiven (1992) - Like Backdraft, this film is a classic western that explores the complexities of power and the darker side of human nature.
26. The Searchers (1956) - Like Hard-Boiled, this film is a classic western that explores the complexities of human relationships and the darker side of human nature.
27. The Wild Riders (1958) - Like True Romance, this film is a classic western that explores the complexities of human relationships and the criminal underworld.
28. The Outlaw Josey Wales (1976) - Like Hilary and Jackie, this film is a classic western that explores the complexities of human relationships and the darker side of human nature.
29. The Magnificent Seven (1960) - Like Apollo 13, this film is a classic western that explores the complexities of power and the darker side of human nature.
30. The Good, the Bad and the Ugly (1966) - Like Nixon, this film is a classic western that explores the complexities

of power and the darker side of human nature.

I hope you enjoy these recommendations! Let me know if you have any questions or if you'd like more suggestions.

Test with movies without using the system tag

User:

This are my favourite film: Hamlet, Hard-Boiled (Lashou shentan), Backdraft, Total Recall, Speed, Deconstructing Harry, True Romance, Hilary and Jackie, Apollo 13, Nixon, High Fidelity, Clear and Present Danger. Suggest me 30 films based on my favourite films

Assistant:

Great! Based on your favorite films, I've selected 30 movies that you might enjoy. Here they are: 1. The Shawshank Redemption (1994) - Like Hamlet, this film is a classic drama with a strong focus on character development and a thought-provoking story.

2. The Usual Suspects (1995) - Similar to Hard-Boiled, this film is a crime thriller with a complex plot and memorable characters.

3. The Matrix (1999) - Like Backdraft, this film is a groundbreaking sci-fi movie that explores themes of reality and perception.

4. Minority Report (2002) - Similar to Total Recall, this film is a futuristic thriller that delves into themes of identity and memory.

5. The Fugitive (1993) - Like Speed, this film is an action-packed thriller with a gripping plot and memorable characters.

6. Pulp Fiction (1994) - Like Deconstructing Harry, this film is a non-linear, crime drama that explores themes of identity and the human condition.

7. Reservoir Dogs (1992) - Similar to True Romance, this film is a crime drama with a gritty, realistic tone and memorable characters.

8. Goodfellas (1990) - Like Hilary and Jackie, this film is a crime drama that explores themes of identity, loyalty, and the human condition.

9. Apollo 13 (1995) - Like Nixon, this film is a historical drama that explores themes of leadership, power, and the human condition.

10. Forrest Gump (1994) - Like High Fidelity, this film is a heartwarming drama that explores themes of identity, love, and the human condition.

11. The Silence of the Lambs (1991) - Like Clear and Present Danger, this film is a crime thriller that explores themes of identity, power, and the human condition.

12. The Departed (2006) - Similar to Clear and Present Danger, this film is a crime drama that explores themes of identity, loyalty, and the human condition.

13. The Prestige (2006) - Like High Fidelity, this film is a mystery drama that explores themes of identity, love, and the human condition.

14. Memento (2000) - Similar to Deconstructing Harry, this film is a non-linear drama that explores themes of identity and the human condition.

15. The Prisoner (1967-1968) - Like True Romance, this classic TV series is a crime drama that explores themes of identity, loyalty, and the human condition.

16. The Wicker Man (1973) - Like Hilary and Jackie, this cult classic is a horror film that explores themes of identity, loyalty, and the human condition.

17. The Big Lebowski (1998) - Like High Fidelity, this film is a quirky comedy that explores themes of identity, love, and the human condition.

18. Mulholland Drive (2001) - Similar to Deconstructing Harry, this surrealist film explores themes of identity, love, and the human condition.

19. The Ice Storm (1997) - Like Clear and Present Danger, this film is a drama that explores themes of identity, power, and the human condition.

20. The Social Network (2010) - Like Nixon, this film is a historical drama that explores themes of leadership, power, and the human condition.

21. The Wolf of Wall Street (2013) - Like High Fidelity, this film is a biographical comedy-drama that explores themes of identity, love, and the human condition.
22. The Wolf of Wall Street (2013) - Similar to Clear and Present Danger, this film is a crime drama that explores themes of identity, power, and the human condition.
23. The Grand Budapest Hotel (2014) - Like Deconstructing Harry, this film is a quirky comedy-drama that explores themes of identity, love, and the human condition.
24. The Grand Budapest Hotel (2014) - Similar to True Romance, this film is a crime drama with a gritty, realistic tone and memorable characters.
25. The Big Sick (2017) - Like Hilary and Jackie, this film is a romantic comedy-drama that explores themes of identity, love, and the human condition.
26. The Big Sick (2017) - Similar to Apollo 13, this film is a historical drama that explores themes of identity, power, and the human condition.
27. The Fighter (2010) - Like High Fidelity, this film is a sports drama that explores themes of identity, love, and the human condition.
28. The Fighter (2010) - Similar to Clear and Present Danger, this film is a crime drama that explores themes of identity, power, and the human condition.
29. The Social Network (2010) - Similar to Nixon, this film is a historical drama that explores themes of leadership, power, and the human condition.
30. The Social Network (2010) - Like The Wolf of Wall Street, this film is a biographical comedy-drama that explores themes of identity, love, and the human condition.

I hope you enjoy these recommendations! Let me know if you have any questions or if you'd like more suggestions.

Considerations

While giving the film genres in input may reduce the length of the prompt, it cause difficult for the model to generate the exact number of movies requested. When given the entire list of the favourite film of the user the model successfully completed the task.

Third approach

In the third approach we used 4 test:

1. Test with genre using the system tag
2. Test with genre without using the system tag
3. Test with movies using the system tag
4. Test with movies without using the system tag

For each test we ask Llama to recommend 50 movies. The user number 7 has been used to perform this test.

Test with genre using the system tag

System:

This are my favourite film genres: Drama, Action

User:

Suggest me 50 films based on my favourite genres

Assistant:

Great! Based on your favorite genres, here are 50 films that you might enjoy:

Drama:

1. The Shawshank Redemption (1994)

2. The Godfather (1972)
3. The Dark Knight (2008)
4. 12 Angry Men (1957)
5. Schindler's List (1993)
6. The Social Network (2010)
7. Memento (2000)
8. The Pursuit of Happyness (2006)
9. The Green Mile (1999)
10. American Beauty (1999)
11. Forrest Gump (1994)
12. The English Patient (1996)
13. The Departed (2006)
14. Manchester by the Sea (2016)
15. Moonlight (2016)
16. The Imitation Game (2014)
17. The Theory of Everything (2014)
18. The Immigrant (2013)
19. The Grand Budapest Hotel (2014)
20. The Book Thief (2013)

Action:

1. The Matrix (1999)
2. Mad Max: Fury Road (2015)
3. The Dark Knight Rises (2012)
4. The Avengers (2012)
5. The Bourne Identity (2002)
6. The Terminator (1984)
7. Die Hard (1988)
8. The Expendables (2010)
9. The Raid: Redemption (2011)
10. John Wick (2014)
11. The Bourne Legacy (2012)
12. The Transporter (2002)
13. The Running Man (1987)
14. Face/Off (1997)
15. The Rock (1996)
16. The Mummy (1999)
17. The Fast and the Furious (2001)
18. The Transporter 2 (2005)
19. The Bourne Ultimatum (2007)
20. Taken (2008)

I hope you find some great movies to watch and enjoy! Let me know if you have any other preferences or if you want more recommendations.

Test with genre without using the system tag

User:

This are my favourite film genres: Drama, Action. Suggest me 50 films based on my favourite genres

Assistant:

Great! Here are 50 films across the drama and action genres that you might enjoy:

Drama:

1. The Shawshank Redemption (1994)
2. The Godfather (1972)
3. Schindler's List (1993)
4. 12 Angry Men (1957)
5. Forrest Gump (1994)
6. The Silence of the Lambs (1991)
7. Rain Man (1988)
8. The Green Mile (1999)
9. The English Patient (1996)
10. The Pursuit of Happyness (2006)
11. The Intouchables (2011)
12. The Imitation Game (2014)
13. The Social Network (2010)
14. The Wolf of Wall Street (2013)
15. Manchester by the Sea (2016)
16. Moonlight (2016)
17. La La Land (2016)
18. The Revenant (2015)
19. Black Swan (2010)

20. The Fighter (2010)

Action:

21. The Dark Knight (2008)
22. Mad Max: Fury Road (2015)
23. The Matrix (1999)
24. The Bourne Identity (2002)
25. The Avengers (2012)
26. The Terminator (1984)
27. Die Hard (1988)
28. The Expendables (2010)
29. The Raid: Redemption (2011)
30. John Wick (2014)
31. The Bourne Ultimatum (2007)
32. The Running Man (1987)
33. Predator (1987)
34. The Italian Job (2003)
35. Mission: Impossible (1996)
36. The Bourne Supremacy (2004)
37. The Transporter (2002)
38. Taken (2008)
39. The Mummy (1999)
40. The Fast and the Furious (2001)
41. The Bourne Legacy (2012)
42. The Equalizer (2014)
43. The Expendables 2 (2012)
44. The Raid 2: Berandal (2014)
45. The Accountant (2016)
46. The Mechanic (2011)
47. The Transporter Refueled (2015)
48. The Equalizer 2 (2018)
49. Peppermint (2018)
50. Triple Frontier (2019)

I hope you find some new movies to enjoy in these genres!

Test with movies using the system tag

System:

This are my favourite film: Hamlet, Hard-Boiled (Lashou shentan), Backdraft, Total Recall, Speed, Deconstructing Harry, True Romance, Hilary and Jackie, Apollo 13, Nixon, High Fidelity, Clear and Present Danger

User:

Suggest me 50 films based on my favourite films

Assistant:

Wow, you have a great taste in movies! Based on your favorite films, I would recommend the following 50 movies that you might enjoy:

1. Schindler's List (1993) - A historical drama that explores the Holocaust, much like Hamlet does with its themes of betrayal and revenge.
2. The Shawshank Redemption (1994) - A highly acclaimed drama that explores the themes of hope, redemption, and the human spirit, similar to what Hard-Boiled does with its gritty and intense atmosphere.
3. The Godfather (1972) - A classic crime drama that explores the themes of family, loyalty, and power, much like Backdraft does with its crime thriller elements.
4. Minority Report (2002) - A futuristic thriller that explores the themes of free will and predestination, similar to what Total Recall does with its sci-fi elements and action.
5. The Matrix (1999) - A groundbreaking sci-fi film that explores the themes of reality and perception, much like Speed does with its fast-paced action and thrilling plot.
6. Goodfellas (1990) - A crime drama that explores the themes of loyalty, betrayal, and the consequences of criminal behavior, similar to what Deconstructing Harry does with its dark humor and psychological depth.
7. Pulp Fiction (1994) - A highly acclaimed crime drama that explores the themes of interconnected storylines and the human condition, much like True Romance does with its dark humor and stylish direction.
8. The Silence of the Lambs (1991) - A psychological thriller that explores the themes of obsession, power, and the dark side of human nature, similar to what Hilary and Jackie does with its portrayal of complex characters and emotional depth.
9. Rear Window (1954) - A classic Hitchcock film that explores the themes of voyeurism, suspense, and the human psyche, much like Apollo 13 does with its suspenseful plot and gripping drama.
10. The Deer Hunter (1978) - A powerful drama that explores the themes of friendship, sacrifice, and the effects of war on the human psyche, similar to what Nixon does with its political intrigue and historical context.
11. The Usual Suspects (1995) - A crime thriller that explores the themes of deception, betrayal, and the complexities of human nature, much like High Fidelity does with its quirky characters and music-driven narrative.
12. The Big Lebowski (1998) - A cult classic that explores the themes of identity, meaning, and the absurdity of life, similar to what Clear and Present Danger does with its complex characters and political intrigue.
13. Memento (2000) - A psychological thriller that explores the themes of memory, identity, and the complexities of

human perception, much like what Backdraft does with its gritty and intense atmosphere.

14. The Prestige (2006) - A mystery drama that explores the themes of obsession, rivalry, and the lengths people will go to achieve their goals, similar to what Deconstructing Harry does with its dark humor and psychological depth.

15. The Social Network (2010) - A biographical drama that explores the themes of ambition, power, and the consequences of success, much like what True Romance does with its dark humor and stylish direction.

16. The Wolf of Wall Street (2013) - A biographical comedy-drama that explores the themes of greed, power, and the excesses of the wealthy, similar to what Speed does with its fast-paced action and thrilling plot.

17. The Departed (2006) - A crime drama that explores the themes of loyalty, betrayal, and the blurred lines between good and evil, much like what High Fidelity does with its quirky characters and music-driven narrative.

18. The Good Shepherd (2006) - A historical drama that explores the themes of loyalty, power, and the complexities of human relationships, similar to what Nixon does with its political intrigue and historical context.

19. The Grand Budapest Hotel (2014) - A quirky comedy-drama that explores the themes of identity, meaning, and the absurdity of life, much like what Clear and Present Danger does with its complex characters and political intrigue.

20. The Big Sick (2017) - A romantic comedy-drama that explores the themes of identity, culture, and the complexities of human relationships, similar to what True Romance does with its dark humor and stylish direction.

21. The Lord of the Rings: The Fellowship of the Ring (2001) - A fantasy adventure that explores the themes of friendship, sacrifice, and the struggle between good and evil, much like what Speed does with its fast-paced action and thrilling plot.

22. The Lord of the Rings: The Two Towers (2002) - A fantasy adventure that explores the themes of perseverance, courage, and the power of friendship, similar to what High Fidelity does with its quirky characters and music-driven narrative.

23. The Lord of the Rings: The Return of the King (2003) - A fantasy adventure that explores the themes of redemption, sacrifice, and the struggle between good and evil, much like what Clear and Present Danger does with its complex characters and political intrigue.

24. The Matrix Reloaded (2003) - A sci-fi action film that explores the themes of free will, destiny, and the consequences of technological advancements, similar to what True Romance does with its dark humor and stylish direction.

25. The Matrix Revolutions (2003) - A sci-fi action film that explores the themes of redemption, sacrifice, and the struggle between good and evil, much like what High Fidelity does with its quirky characters and music-driven narrative.

26. Inception (2010) - A sci-fi action film that explores the themes of identity, perception, and the power of the human mind, much like what Backdraft does with its gritty and intense atmosphere.

27. Interstellar (2014) - A sci-fi epic that explores the themes of time, space, and the power of human ingenuity, much like what Apollo 13 does with its suspenseful plot and gripping drama.

28. The Social Network (2010) - A biographical drama that explores the themes of ambition, power, and the consequences of success, much like what True Romance does with its dark humor and stylish direction.

29. Moneyball (2011) - A sports drama that explores the themes of perseverance, sacrifice, and the power of data analysis, much like what High Fidelity does with its quirky characters and music-driven narrative.

30. The Wolf of Wall Street (2013) - A biographical comedy-drama that explores the themes of greed, power, and the excesses of the wealthy, similar to what Speed does with its fast-paced action and thrilling plot.

These are just a few examples of films that might interest you based on your favorite movies. Enjoy exploring these new titles and discovering new favorites!

Test with movies without using the system tag

User:

This are my favourite film: Hamlet, Hard-Boiled (Lashou shentan), Backdraft, Total Recall, Speed, Deconstructing Harry, True Romance, Hilary and Jackie, Apollo 13, Nixon, High Fidelity, Clear and Present Danger. Suggest me 50 films based on my favourite films

Assistant:

Great! Based on your favorite films, I've selected 50 films that you might enjoy. Here they are:

1. The Shawshank Redemption (1994) - Similar to Hamlet, this film is a classic drama with a strong focus on character development and themes of hope and redemption.

2. The Godfather (1972) - Like Hard-Boiled, this crime drama follows a complex story of power, loyalty, and betrayal, set against the backdrop of organized crime.

3. The Silence of the Lambs (1991) - Similar to Backdraft, this film is a suspenseful thriller that explores the darker side of human nature, featuring a chilling performance by Anthony Hopkins as a serial killer.

4. Minority Report (2002) - Like Total Recall, this film is a futuristic sci-fi thriller that explores themes of identity and the consequences of playing with the fabric of reality.

5. The Matrix (1999) - Similar to Speed, this film is a mind-bending sci-fi thriller that explores the nature of reality and the impact of technology on society.

6. Fight Club (1999) - Like Deconstructing Harry, this film is a dark and subversive comedy that explores themes of

masculinity, identity, and the search for meaning in a postmodern world.

7. *Pulp Fiction* (1994) - Similar to *True Romance*, this film is a non-linear crime drama that explores the interconnected lives of a group of criminals, featuring a memorable cast of characters and a complex, intricate plot.
8. *Goodfellas* (1990) - Like *Hilary and Jackie*, this film is a gritty and intense drama that explores the world of organized crime, featuring a powerful performance by Robert De Niro as a young mobster rising through the ranks.
9. *The Departed* (2006) - Similar to *Apollo 13*, this film is a tense and suspenseful crime drama that explores the darker side of human nature, featuring a powerhouse cast and a complex, intricate plot.
10. *The Usual Suspects* (1995) - Like *Nixon*, this film is a crime thriller that explores themes of power, loyalty, and betrayal, featuring a memorable cast of characters and a shocking twist ending.
11. *The Shawshank Redemption* (1994) - Like *High Fidelity*, this film is a classic drama that explores themes of hope, redemption, and the power of the human spirit, featuring a powerful performance by Tim Robbins as a wrongly convicted man.
12. *The Godfather: Part II* (1974) - Like *Clear and Present Danger*, this film is a sequel to a classic crime drama, exploring themes of power, loyalty, and betrayal, and featuring a memorable cast of characters and a complex, intricate plot.
13. *The Terminator* (1984) - Like *Speed*, this film is a sci-fi action thriller that explores themes of time travel and the consequences of playing with the fabric of reality, featuring a memorable performance by Arnold Schwarzenegger as a cyborg assassin.
14. *The Big Lebowski* (1998) - Like *Deconstructing Harry*, this film is a quirky and offbeat comedy that explores themes of identity, masculinity, and the search for meaning in a postmodern world, featuring a memorable cast of characters and a complex, intricate plot.
15. *The Untouchables* (1987) - Like *True Romance*, this film is a crime drama that explores themes of power, loyalty, and betrayal, featuring a memorable cast of characters and a complex, intricate plot.
16. *The Prestige* (2006) - Like *Hilary and Jackie*, this film is a gritty and intense drama that explores the world of magic and the darker side of human nature, featuring a powerful performance by Hugh Jackman as a rival magicians.
17. *The Green Mile* (1999) - Like *Apollo 13*, this film is a suspenseful drama that explores themes of hope, redemption, and the power of the human spirit, featuring a memorable cast of characters and a complex, intricate plot.
18. *The Departed* (2006) - Similar to *Nixon*, this film is a crime drama that explores themes of power, loyalty, and betrayal, featuring a powerhouse cast and a complex, intricate plot.
19. *The Good Shepherd* (2006) - Like *High Fidelity*, this film is a classic drama that explores themes of hope, redemption, and the power of the human spirit, featuring a powerful performance by Matt Damon as a young CIA agent.
20. *The Wolf of Wall Street* (2013) - Like *Clear and Present Danger*, this film is a crime drama that explores themes of power, loyalty, and betrayal, featuring a memorable cast of characters and a complex, intricate plot.
21. *The Social Network* (2010) - Like *Deconstructing Harry*, this film is a quirky and offbeat comedy that explores themes of identity, masculinity, and the search for meaning in a postmodern world, featuring a memorable cast of characters and a complex, intricate plot.
22. *The Godfather: Part II* (1974) - Like *The Departed*, this film is a crime drama that explores themes of power, loyalty, and betrayal, featuring a memorable cast of characters and a complex, intricate plot.
23. *The Terminator* (1984) - Like *Speed*, this film is a sci-fi action thriller that explores themes of time travel and the consequences of playing with the fabric of reality, featuring a memorable performance by Arnold Schwarzenegger as a cyborg assassin.
24. *The Big Lebowski* (1998) - Like *True Romance*, this film is a quirky and offbeat comedy that explores themes of identity, masculinity, and the search for meaning in a postmodern world, featuring a memorable cast of characters and a complex, intricate plot.
25. *The Untouchables* (1987) - Like *The Prestige*, this film is a crime drama that explores themes of power, loyalty, and betrayal, featuring a memorable cast of characters and a complex, intricate plot.
26. *The Prestige* (2006) - Like *Hilary and Jackie*, this film is a gritty and intense drama that explores the world of magic and the darker side of human nature, featuring a powerful performance by Hugh Jackman as a rival magicians.

27. *The Green Mile* (1999) - Like *Apollo 13*, this film is a suspenseful drama that explores themes of hope, redemption, and the power of the human spirit, featuring a memorable cast of characters and a complex, intricate plot.
28. *The Departed* (2006) - Similar to *Nixon*, this film is a crime drama that explores themes of power, loyalty, and betrayal, featuring a powerhouse cast and a complex, intricate plot.
29. *The Good Shepherd* (2006) - Like *High Fidelity*, this film is a classic drama that explores themes of hope, redemption, and the power of the human spirit, featuring a powerful performance by Matt Damon as a young CIA agent.
30. *The Wolf of Wall Street* (2013) - Like *Clear and Present Danger*, this film is a crime drama that explores themes of power, loyalty, and betrayal, featuring a memorable cast of characters and a complex, intricate plot.
31. *The Social Network* (2010) - Like *Deconstructing Harry*, this film is a quirky and offbeat comedy that explores themes of identity, masculinity, and the search for meaning in a postmodern world, featuring a memorable cast of characters and a complex, intricate plot.
32. *The Godfather: Part II* (1974) - Like *The Departed*, this film is a crime drama that explores themes of power, loyalty, and betrayal, featuring a memorable cast of characters and a complex, intricate plot.
33. *The Terminator* (1984) - Like *Speed*, this film is a sci-fi action thriller that explores themes of time travel and the consequences of playing with the fabric of reality, featuring a memorable performance by Arnold Schwarzenegger as a cyborg assassin.
34. *The Big Lebowski* (1998) - Like *True Romance*, this film is a quirky and offbeat comedy that explores themes of identity, masculinity, and the search for meaning in a postmodern world, featuring a memorable cast of characters and a complex, intricate plot.
35. *The Untouchables* (1987) - Like *The Prestige*, this film is a crime drama that explores themes of power, loyalty, and betrayal, featuring a memorable cast of characters and a complex, intricate plot.
36. *The Prestige* (2006) - Like *Hilary and Jackie*, this film is a gritty and intense drama that explores the world of magic and the darker side of human nature, featuring a powerful performance by Hugh Jackman as a rival magicians.
37. *The Green Mile* (1999) - Like *Apollo 13*, this film is a suspenseful drama that explores themes of hope, redemption, and the power of the human spirit, featuring a memorable cast of characters and a complex, intricate plot.
38. *The Departed* (2006) - Similar to *Nixon*, this film is a crime drama that explores themes of power, loyalty, and betrayal, featuring a powerhouse cast and a complex, intricate plot.
39. *The Good Shepherd* (2006) - Like *High Fidelity*, this film is a classic drama that explores themes of hope, redemption, and the power of the human spirit, featuring a powerful performance by Matt Damon as a young CIA agent.
40. *The Wolf of Wall Street* (2013) - Like *Clear and Present Danger*, this film is a crime drama that explores themes of power, loyalty, and betrayal, featuring a memorable cast of characters and a complex, intricate plot.
41. *The Social Network* (2010) - Like *Deconstructing Harry*, this film is a quirky and offbeat comedy that explores themes of identity, masculinity, and the search for meaning in a postmodern world, featuring a memorable cast of characters and a complex, intricate plot.
42. *The Godfather: Part II* (1974) - Like *The Departed*, this film is a crime drama that explores themes of power, loyalty, and betrayal, featuring a memorable cast of characters and a complex, intricate plot.
43. *The Terminator* (1984) - Like *Speed*, this film is a sci-fi action thriller that explores themes of time travel and the consequences of playing with the fabric of reality, featuring a memorable performance by Arnold Schwarzenegger as a cyborg assassin.
44. *The Big Lebowski* (1998) - Like *True Romance*, this film is a quirky and offbeat comedy that explores themes of identity, masculinity, and the search for meaning in a postmodern world, featuring a memorable cast of characters and a complex, intricate plot.
45. *The Untouchables* (1987) - Like *The Prestige*, this film is a crime drama that explores themes of power, loyalty, and betrayal, featuring a memorable cast of characters and a complex, intricate plot.
46. *The Prestige* (2006) - Like *Hilary and Jackie*, this film is a gritty and intense drama that explores the world of magic and the darker side of human nature, featuring a powerful performance by Hugh Jackman as a rival magicians.

47. The Green Mile (1999) - Like Apollo 13, this film is a suspenseful drama that explores themes of hope, redemption, and the power of the human spirit, featuring a memorable cast of characters and a complex, intricate plot.
48. The Departed (2006) - Similar to Nixon, this film is a crime drama that explores themes of power, loyalty, and betrayal, featuring a powerhouse cast and a complex, intricate plot.
49. The Good Shepherd (2006) - Like High Fidelity, this film is a classic drama that explores themes of hope, redemption, and the power of the human spirit, featuring a powerful performance by Matt Damon as a young CIA agent.
50. The Wolf of Wall Street (2013) - Like Clear and Present Danger, this film is a crime drama that explores themes of power, loyalty, and betrayal, featuring a memorable cast of characters and a complex, intricate plot.

Considerations

Incrementing the number of movies in input, even if the model fail to give precisely 50, it gives a number that is close to it.

We have noticed that using the system tag in this case made the model fail giving 50 movies.

Fourth approach

In the fourth approach we used 4 test:

1. Test with genre using the system tag
2. Test with genre without using the system tag
3. Test with movies using the system tag
4. Test with movies without using the system tag

For each test we ask Llama to recommend a maximum amount of movies. The user number 7 has been used to perform this test.

Test with genre using the system tag

System:

This are my favourite film genres: Drama, Action

User:

Suggest me the maximum amount of films based on my favourite genres, do not write film trama, just the name

Assistant:

Sure, here are some highly rated films in the drama and action genres that you might enjoy:

Drama:

1. The Shawshank Redemption (1994)
2. The Godfather (1972)
3. The Dark Knight (2008)
4. 12 Angry Men (1957)
5. Schindler's List (1993)
6. Forrest Gump (1994)
7. The Green Mile (1999)
8. The Pursuit of Happyness (2006)
9. The Social Network (2010)
10. Manchester by the Sea (2016)

Action:

1. The Matrix (1999)
2. Mad Max: Fury Road (2015)
3. The Dark Knight (2008)
4. The Avengers (2012)
5. The Bourne Identity (2002)

6. The Terminator (1984)
7. The Raid: Redemption (2011)
8. John Wick (2014)
9. The Expendables (2010)
10. Mission: Impossible - Ghost Protocol (2011)

I hope you find something you like in this list! Let me know if you have any other preferences or if you'd like more recommendations.

Test with genre without using the system tag

User:

This are my favourite film genres: Drama, Action. Suggest me the maximum amount of films based on my favourite genres, do not write film trama, just the name

Assistant:

Sure! Here are some highly rated films in the drama and action genres that you might enjoy:

Drama:

1. The Shawshank Redemption (1994)
2. The Godfather (1972)
3. 12 Angry Men (1957)
4. Schindler's List (1993)
5. The Silence of the Lambs (1991)
6. Forrest Gump (1994)
7. The Green Mile (1999)
8. The English Patient (1996)
9. The Pursuit of Happyness (2006)
10. A Beautiful Mind (2001)

Action:

1. The Dark Knight (2008)
2. Mad Max: Fury Road (2015)
3. The Matrix (1999)
4. The Terminator (1984)
5. Die Hard (1988)
6. The Bourne Identity (2002)
7. The Avengers (2012)
8. Iron Man (2008)
9. The Fast and the Furious (2001)
10. John Wick (2014)

I hope you find some new movies to enjoy! Let me know if you have any other preferences or if you'd like more recommendations.

Test with movies using the system tag

System:

This are my favourite film: Hamlet, Hard-Boiled (Lashou shentan), Backdraft, Total Recall, Speed, Deconstructing Harry, True Romance, Hilary and Jackie, Apollo 13, Nixon, High Fidelity, Clear and Present Danger

User:

Suggest me the maximum amount of films based on my favourite genres, do not write film trama, just the name

Assistant:

reat! Based on your favorite films, here are some other movies that you might enjoy:

Action:

* The Matrix (1999)

Thriller:

* Se7en (1995)

Drama:

* Goodfellas (1990)

Crime:

* The Godfather (1972)

Science Fiction:

* Blade Runner (1982)

Comedy:

* The Big Lebowski (1998)

Romance:

* When Harry Met Sally (1989)

History:

* Schindler's List (1993)

Adventure:

* Indiana Jones and the Raiders of the Lost Ark (1981)

Horror:

* The Exorcist (1973)

Fantasy:

* The Lord of the Rings: The Fellowship of the Ring (2001)

I hope you find these recommendations helpful and enjoy watching some of these movies!

Test with movies without using the system tag

User:

This are my favourite film: Hamlet, Hard-Boiled (Lashou shentan), Backdraft, Total Recall, Speed, Deconstructing Harry, True Romance, Hilary and Jackie, Apollo 13, Nixon, High Fidelity, Clear and Present Danger. Suggest me the maximum amount of films based on my favourite genres, do not write film trama, just the name

Assistant:

Great! Based on your favorite films, here are some other movies you might enjoy:

1. Drama:

* Manchester by the Sea (2016)

* Moonlight (2016)

* The Shawshank Redemption (1994)

* The Social Network (2010)

* 12 Angry Men (1957)

2. Thriller:

* The Silence of the Lambs (1991)

* Se7en (1995)

* The Departed (2006)

* Memento (2000)

* Gone Girl (2014)

3. Action:

* The Matrix (1999)

* Mad Max: Fury Road (2015)

* The Dark Knight (2008)

* The Bourne Identity (2002)

* Die Hard (1988)

4. Comedy:

* The Big Lebowski (1998)

* Monty Python and the Holy Grail (1975)

* Airplane! (1980)

* Groundhog Day (1993)

* The Hangover (2009)

5. Crime:

* Goodfellas (1990)

* The Godfather (1972)

* Scarface (1983)

* The Usual Suspects (1995)

* American Psycho (2000)

6. Sci-Fi:

* Blade Runner (1982)

* The Terminator (1984)

* The Matrix (1999)

* Inception (2010)

* Interstellar (2014)

7. Historical Drama:

* Schindler's List (1993)

* Lincoln (2012)

* 12 Years a Slave (2013)

* Gladiator (2000)

* The Last King of Scotland (2006)

These are just a few examples of movies that might be similar to your favorite films. Of course, there are many other great movies out there, so don't be afraid to explore and discover new ones!

Considerations

Without giving a desired number of movies in output, the model tends to recommend around 10 movies. In this case we have introduced in the prompt "do not write film plot", to simplify the answer

Fifth approach

In the fifth approach we used 4 test:

1. Test with genre using the system tag
2. Test with genre without using the system tag
3. Test with movies using the system tag
4. Test with movies without using the system tag

For each test we ask Llama to recommend a maximum amount of movies. The user number 3964 has been used to perform this test.

Test with genre using the system tag

System:

This are my favourite film genres: Drama, Comedy

User:

Suggest me the maximum amount of films based on my favourite genres, do not write film trama, just the name

Assistant:

Great! Based on your preferences, here are some movie suggestions in the drama and comedy genres:

Drama:

1. The Shawshank Redemption (1994)
2. The Godfather (1972)
3. 12 Angry Men (1957)
4. Schindler's List (1993)
5. The Social Network (2010)
6. Inception (2010)
7. The Departed (2006)
8. The Matrix (1999)
9. Fight Club (1999)
10. The Green Mile (1999)

Comedy:

1. The Hangover (2009)
2. Superbad (2007)
3. Bridesmaids (2011)
4. The 40-Year-Old Virgin (2005)
5. Anchorman: The Legend of Ron Burgundy (2004)
6. Mean Girls (2004)
7. The Big Sick (2017)
8. Crazy Rich Asians (2018)
9. My Big Fat Greek Wedding (2002)
10. Elf (2003)

I hope you enjoy these suggestions! Let me know if you have any other preferences or if you'd like more recommendations.

Test with genre without using the system tag

User:

This are my favourite film genres: Drama, Comedy. Suggest me the maximum amount of films based on my favourite genres, do not write film trama, just the name

Assistant:

Sure! Here are some highly rated films in the drama and comedy genres that you might enjoy:

Drama:

1. The Shawshank Redemption (1994)
2. The Godfather (1972)
3. The Dark Knight (2008)
4. 12 Angry Men (1957)
5. Schindler's List (1993)
6. Forrest Gump (1994)
7. The Silence of the Lambs (1991)
8. The Social Network (2010)
9. American Beauty (1999)
10. Manchester by the Sea (2016)

Comedy:

1. The Hangover (2009)
2. Superbad (2007)
3. Bridesmaids (2011)
4. The 40-Year-Old Virgin (2005)
5. Anchorman: The Legend of Ron Burgundy (2004)
6. Mean Girls (2004)
7. The Big Sick (2017)
8. Crazy Rich Asians (2018)
9. My Big Fat Greek Wedding (2002)
10. Elf (2003)

I hope you find some new movies to watch and enjoy!

Test with movies using the system tag

System:

This are my favourite film: Monty Python and the Holy Grail, Raiders of the Lost Ark, Alien, Lone Star, Star Wars: Episode IV - A New Hope, Aliens, Rocky, Searchers, The, Dark City, Close Shave, A, Braveheart, Boogie Nights, Spartacus, War of the Worlds, The, Short Cuts, Go Fish, Henry: Portrait of a Serial Killer, My Left Foot, Last Emperor, The, Dead Calm, Sliding Doors, Pink Flamingos, Lolita, Ever After: A Cinderella Story, Breaking Away, Cabaret, Robocop, American in Paris, An, Bananas, Being John Malkovich, Butch Cassidy and the Sundance Kid, Parenthood, Howards End, Manon of the Spring (Manon des sources), Pale Rider, Stand by Me, Fisher King, The, Mephisto, Deliverance, Thin Red Line, The, Rope, Shining, The, Patton, Graduate, The, Raise the Red Lantern, Heavenly Creatures, Midnight Cowboy, Clerks, Midnight Run, Big Night

User:

Suggest me the maximum amount of films based on my favourite genres, do not write film trama, just the name

Assistant:

Based on your favorite films, it seems that you enjoy a wide range of genres. Here are some suggestions for movies that you might enjoy, grouped by genre:

Action/Adventure:

* Raiders of the Lost Ark

Comedy:

* Monty Python and the Holy Grail

Science Fiction/Fantasy:

* Star Wars: Episode IV - A New Hope

Horror:

* Alien, The Shining

Drama:

* Lone Star, The Last Emperor, Midnight Cowboy

Thriller:

* Dead Calm, Patton

Romance:

* Ever After: A Cinderella Story, An American in Paris

Crime/Mystery:

* Lolita, Manon of the Spring, Midnight Run

War:

* War of the Worlds, The Battle of Algiers

I hope you find some new movies to enjoy!

Test with movies without using the system tag

User:

This are my favourite film: Monty Python and the Holy Grail, Raiders of the Lost Ark, Alien, Lone Star, Star Wars: Episode IV - A New Hope, Aliens, Rocky, Searchers, The, Dark City, Close Shave, A, Braveheart, Boogie Nights, Spartacus, War of the Worlds, The, Short Cuts, Go Fish, Henry: Portrait of a Serial Killer, My Left Foot, Last Emperor, The, Dead Calm, Sliding Doors, Pink Flamingos, Lolita, Ever After: A Cinderella Story, Breaking Away, Cabaret, Robocop, American in Paris, An, Bananas, Being John Malkovich, Butch Cassidy and the Sundance Kid, Parenthood, Howards End, Manon of the Spring (Manon des sources), Pale Rider, Stand by Me, Fisher King, The, Mephisto, Deliverance, Thin Red Line, The, Rope, Shining, The, Patton, Graduate, The, Raise the Red Lantern, Heavenly Creatures, Midnight Cowboy, Clerks, Midnight Run, Big Night. Suggest me the maximum amount of films based on my favourite genres, do not write film trama, just the name

Assistant:

Based on your favorite films, it seems that you enjoy a variety of genres. Here are some suggestions for films that are similar to your favorites:

1. Comedy: Airplane!, The Naked Gun, Dumb and Dumber, The Hangover, Bridesmaids, The 40-Year-Old Virgin, Anchorman: The Legend of Ron Burgundy, The Big Lebowski, Monty Python and the Holy Grail, National Lampoon's Vacation, Caddyshack, Groundhog Day, Ghostbusters, Home Alone, Austin Powers: International Man of Mystery, The Princess Bride, Ferris Bueller's Day Off, and Elf.
2. Action/Adventure: Indiana Jones franchise, Star Wars franchise, The Matrix, The Bourne Identity, The Fast and the Furious, The Terminator, Die Hard, Mad Max franchise, The Avengers, The Hunger Games, The Expendables, The Raid: Redemption, The Bourne Ultimatum, The Dark Knight, The Mummy, The Goonies, and Romancing the Stone.
3. Sci-Fi: Blade Runner, The Matrix, The Terminator, Alien franchise, Star Wars franchise, The Fifth Element, Minority Report, The Time Traveler's Wife, The Invasion, The Adjustment Bureau, The Hunger Games, The Martian, The World's End, Elysium, Edge of Tomorrow, Interstellar, and Sunshine.
4. Horror: The Exorcist, The Shining, The Texas Chainsaw Massacre, Halloween, The Conjuring, The Ring, The Grudge, The Babadook, Get Out, A Quiet Place, The Witch, The Descent, The Evil Dead, The Cabin in the Woods, The Ring, The Others, and The Amityville Horror.
5. Drama: The Shawshank Redemption, The Godfather, The Godfather: Part II, The Silence of the Lambs, The Green Mile, Forrest Gump, The Pursuit of Happyness, The Social Network, The Wolf of Wall Street, The Fighter, The Departed, 12 Years a Slave, American Beauty, Good Will Hunting, Erin Brockovich, and Philadelphia.
6. Historical Drama: Schindler's List, 12 Years a Slave, Gladiator, Braveheart, The Last Emperor, Gangs of New York, The English Patient, Apollo 13, Lincoln, The King's Speech, The Social Network, The Imitation Game, and The Great Dictator.
7. Romantic Comedy: When Harry Met Sally, The Big Sick, Crazy, Stupid, Love, Love Actually, 50 First Dates, Bridget Jones's Diary, My Best Friend's Wedding, Sleepless in Seattle, The Proposal, The Wedding Singer, and Romancing the Stone.
8. Crime/Thriller: Goodfellas, The Departed, The Godfather, The Godfather: Part II, The Usual Suspects, The Silence of the Lambs, Se7en, The Prestige, The Town, The Lincoln Lawyer, Gone Girl, American Psycho, and The Social Network.
9. Independent/Art House: This Is Spinal Tap, The Big Lebowski, The Princess Bride, Being John Malkovich, Eternal Sunshine of the Spotless Mind, The Royal Tenenbaums, The Life Aquatic with Steve Zissou, The Darjeeling Limited, Moonrise Kingdom, The Grand Budapest Hotel, The Artist, and The Tree of Life.

These are just a few examples of films that are similar to your favorites. There are many other great movies out there, so feel free to explore and discover new ones!

Considerations

Sending in the prompt a lot of films made the model response imprecise, because he recommended films of several different genres

Sixth approach

In the sixth approach we used 4 test:

1. Test with genre using the system tag
2. Test with genre without using the system tag
3. Test with movies using the system tag
4. Test with movies without using the system tag

For each test we ask Llama to recommend 50 films.
The user number 3964 has been used to perform this test.

Test with genre using the system tag

System:

This are my favourite film genres: Drama, Comedy

User:

Suggest me 50 films based on my favourite genres, do not write film trama, just the name

Assistant:

Sure, here are 50 films from your favorite genres:

Drama:

1. The Shawshank Redemption (1994)
2. The Godfather (1972)
3. 12 Angry Men (1957)
4. Schindler's List (1993)
5. The Silence of the Lambs (1991)
6. Forrest Gump (1994)
7. The Green Mile (1999)
8. American Beauty (1999)
9. The Pursuit of Happyness (2006)
10. The Social Network (2010)

Comedy:

1. The Big Lebowski (1998)
2. Monty Python and the Holy Grail (1975)
3. Airplane! (1980)
4. The Hangover (2009)
5. Bridesmaids (2011)
6. Superbad (2007)
7. Anchorman: The Legend of Ron Burgundy (2004)
8. Mean Girls (2004)
9. The 40-Year-Old Virgin (2005)
10. Zoolander (2001)

I hope you enjoy these suggestions! Let me know if you have any other preferences or if you would like more recommendations.

Test with genre without using the system tag

User:

This are my favourite film genres: Drama, Comedy. Suggest me 50 films based on my favourite genres, do not write film trama, just the name

Assistant:

Sure, here are 50 films from your favorite genres:

Drama:

1. The Shawshank Redemption (1994)
2. The Godfather (1972)
3. Schindler's List (1993)
4. 12 Angry Men (1957)
5. The Social Network (2010)
6. Inception (2010)
7. The Matrix (1999)
8. The Departed (2006)
9. Memento (2000)
10. The Green Mile (1999)

Comedy:

1. The Big Lebowski (1998)
2. Monty Python and the Holy Grail (1975)
3. Airplane! (1980)
4. The Hangover (2009)
5. Bridesmaids (2011)
6. The 40-Year-Old Virgin (2005)
7. Anchorman: The Legend of Ron Burgundy (2004)
8. Dumb and Dumber (1994)

9. Groundhog Day (1993)
10. Caddyshack (1980)

I hope you enjoy these recommendations! Let me know if you have any other preferences or if you'd like more suggestions.

Test with movies using the system tag

System:

This are my favourite film: Monty Python and the Holy Grail, Raiders of the Lost Ark, Alien, Lone Star, Star Wars: Episode IV - A New Hope, Aliens, Rocky, Searchers, The, Dark City, Close Shave, A, Braveheart, Boogie Nights, Spartacus, War of the Worlds, The, Short Cuts, Go Fish, Henry: Portrait of a Serial Killer, My Left Foot, Last Emperor, The, Dead Calm, Sliding Doors, Pink Flamingos, Lolita, Ever After: A Cinderella Story, Breaking Away, Cabaret, Robocop, American in Paris, An, Bananas, Being John Malkovich, Butch Cassidy and the Sundance Kid, Parenthood, Howards End, Manon of the Spring (Manon des sources), Pale Rider, Stand by Me, Fisher King, The, Mephisto, Deliverance, Thin Red Line, The, Rope, Shining, The, Patton, Graduate, The, Raise the Red Lantern, Heavenly Creatures, Midnight Cowboy, Clerks, Midnight Run, Big Night

User:

Suggest me 50 films based on my favourite genres, do not write film trama, just the name

Assistant:

Sure! Based on your favorite films, here are 50 films from various genres that you might enjoy:

1. Comedy: Airplane!, The Naked Gun, Dumb and Dumber, The Big Lebowski, Monty Python and the Holy Grail
 2. Action/Adventure: Indiana Jones franchise, Die Hard, The Matrix, The Bourne Identity, Mad Max franchise
 3. Science Fiction: Star Wars franchise, Blade Runner, The Terminator, Alien, 2001: A Space Odyssey
 4. Horror: The Exorcist, The Shining, Halloween, The Texas Chain Saw Massacre, Night of the Living Dead
 5. Drama: One Flew Over the Cuckoo's Nest, The Shawshank Redemption, The Godfather, The Deer Hunter, Schindler's List
 6. Romance: When Harry Met Sally, Casablanca, Titanic, The Notebook, Romeo and Juliet
 7. Historical Drama: Gandhi, Schindler's List, 12 Years a Slave, Braveheart, Gladiator
 8. Crime/Thriller: The Departed, The Godfather, Goodfellas, The Silence of the Lambs, Se7en
 9. Western: The Good, the Bad and the Ugly, Butch Cassidy and the Sundance Kid, Unforgiven, The Wild Bunch, True Grit
 10. Musical/Romance: Singin' in the Rain, The Sound of Music, La La Land, Grease, West Side Story
- I hope you find some new movies to enjoy!

Test with movies without using the system tag

User:

This are my favourite film: Monty Python and the Holy Grail, Raiders of the Lost Ark, Alien, Lone Star, Star Wars: Episode IV - A New Hope, Aliens, Rocky, Searchers, The, Dark City, Close Shave, A, Braveheart, Boogie Nights, Spartacus, War of the Worlds, The, Short Cuts, Go Fish, Henry: Portrait of a Serial Killer, My Left Foot, Last Emperor, The, Dead Calm, Sliding Doors, Pink Flamingos, Lolita, Ever After: A Cinderella Story, Breaking Away, Cabaret, Robocop, American in Paris, An, Bananas, Being John Malkovich, Butch Cassidy and the Sundance Kid, Parenthood, Howards End, Manon of the Spring (Manon des sources), Pale Rider, Stand by Me, Fisher King, The, Mephisto, Deliverance, Thin Red Line, The, Rope, Shining, The, Patton, Graduate, The, Raise the Red Lantern, Heavenly Creatures, Midnight Cowboy, Clerks, Midnight Run, Big Night. Suggest me 50 films based on my favourite genres, do not write film trama, just the name

Assistant:

Sure! Based on your favorite films, here are 50 films from different genres that you might enjoy:

1. Action: Raiders of the Lost Ark, Die Hard, The Matrix, The Bourne Identity, Mad Max: Fury Road
2. Adventure: Star Wars: Episode IV - A New Hope, Indiana Jones and the Raiders of the Lost Ark, The Lord of the Rings: The Fellowship of the Ring, The Princess Bride
3. Animation: Monty Python and the Holy Grail, Spaceballs, The Lion King, The Incredibles
4. Comedy: Airplane!, The Naked Gun, Dumb and Dumber, The Big Lebowski
5. Drama: Schindler's List, 12 Angry Men, The Shawshank Redemption, The Social Network
6. Fantasy: The Lord of the Rings: The Fellowship of the Ring, Harry Potter and the Philosopher's Stone, The Princess Bride, The NeverEnding Story
7. Horror: The Exorcist, The Shining, The Texas Chain Saw Massacre, The Silence of the Lambs
8. Mystery: Chinatown, Mulholland Drive, Memento, The Usual Suspects
9. Romance: When Harry Met Sally, Casablanca, Annie Hall, Titanic
10. Science Fiction: Blade Runner, The Terminator, 2001: A Space Odyssey, The Fifth Element
11. Thriller: Psycho, The Silence of the Lambs, Se7en, The Girl with the Dragon Tattoo

I hope you find some new movies to watch and enjoy!

Considerations

Even after specifying the number of film in output, giving a large number of film in input made the model giving a wrong number in output. Watching from the earlier tests another thing that is influencing the model into giving less films is the prompt "do not write film trama, just the name".

Seventh approach

In the seventh approach we used 4 test:

1. Test with genre using the system tag
2. Test with genre without using the system tag
3. Test with movies using the system tag
4. Test with movies without using the system tag

For each test we ask Llama to recommend 50 films.
The user number 3964 has been used to perform this test.

Test with genre using the system tag

System:

This are my favourite film genres: Drama, Comedy

User:

Suggest me 50 films based on my favourite genres, do not write film trama, just the name

Assistant:

Sure! Here are 50 films from your favorite genres:

Comedy:

1. The Hangover (2009)
2. Monty Python and the Holy Grail (1975)
3. Airplane! (1980)
4. The 40-Year-Old Virgin (2005)
5. Bridesmaids (2011)
6. The Big Sick (2017)
7. Superbad (2007)
8. Anchorman: The Legend of Ron Burgundy (2004)
9. Mean Girls (2004)
10. The Grand Budapest Hotel (2014)

Musical:

1. La La Land (2016)
2. The Sound of Music (1965)
3. West Side Story (1961)
4. Chicago (2002)
5. Les Misérables (2012)
6. Mamma Mia! (2008)
7. Rock of Ages (2012)
8. Hairspray (2007)
9. Grease (1978)
10. Singin' in the Rain (1952)

I hope you enjoy these recommendations! Let me know if you have any other preferences or if you'd like more recommendations from these genres.

Test with genre without using the system tag

User:

This are my favourite film genres: Comedy, Musical. Suggest me 50 films based on my favourite genres, do not write film trama, just the name

Assistant:

Sure! Here are 50 films from the comedy and musical genres that you might enjoy:

Comedy:

1. The Big Lebowski (1998)
2. Monty Python and the Holy Grail (1975)
3. Airplane! (1980)
4. The Hangover (2009)
5. Bridesmaids (2011)
6. The 40-Year-Old Virgin (2005)
7. Anchorman: The Legend of Ron Burgundy (2004)
8. Mean Girls (2004)
9. The Grand Budapest Hotel (2014)
10. The Princess Bride (1987)

Musical:

1. The Sound of Music (1965)
2. Grease (1978)
3. West Side Story (1961)
4. Chicago (2002)
5. La La Land (2016)
6. Mamma Mia! (2008)
7. Les Misérables (2012)
8. Singin' in the Rain (1952)
9. The Phantom of the Opera (2004)
10. Rent (2005)

I hope you find some new movies to enjoy! Let me know if you have any other preferences or if you'd like more recommendations.

Test with movies using the system tag**System:**

This are my favourite film: Star Wars: Episode IV - A New Hope, Shakespeare in Love, Thin Man, The, Yellow Submarine, My Fair Lady, Christmas Story, A, Full Monty, The, Lady and the Tramp, Auntie Mame, Top Hat, Dr. Strangelove or: How I Learned to Stop Worrying and Love the Bomb

User:

Suggest me 50 films based on my favourite genres, do not write film trama, just the name

Assistant:

Great! Based on your favorite films, here are 50 movie suggestions in the same genres:

1. Science Fiction:
 - * Blade Runner (1982)
 - * The Matrix (1999)
 - * Inception (2010)
 - * Interstellar (2014)
 - * Avatar (2009)
2. Romance:
 - * Casablanca (1942)
 - * Roman Holiday (1953)
 - * Annie Hall (1977)
 - * When Harry Met Sally (1989)
 - * Titanic (1997)
3. Comedy:
 - * Some Like It Hot (1959)
 - * Airplane! (1980)
 - * The Naked Gun: From the Files of Police Squad! (1988)
 - * Dumb and Dumber (1994)
 - * Monty Python and the Holy Grail (1975)
4. Musical:
 - * Singin' in the Rain (1952)
 - * West Side Story (1961)
 - * The Sound of Music (1965)
 - * Grease (1978)
 - * Chicago (2002)
5. Crime/Mystery:
 - * Chinatown (1974)
 - * The Godfather (1972)
 - * The Usual Suspects (1995)
 - * Memento (2000)

- * Seven (1995)
- 6. Animated:
 - * Snow White and the Seven Dwarfs (1937)
 - * Bambi (1942)
 - * The Lion King (1994)
 - * Toy Story (1995)
 - * Finding Nemo (2003)
- 7. Classic:
 - * Gone with the Wind (1939)
 - * Citizen Kane (1941)
 - * Casablanca (1942)
 - * The Wizard of Oz (1939)
 - * 2001: A Space Odyssey (1968)

I hope you find these suggestions helpful! Let me know if you have any other preferences or if you'd like more recommendations.

Test with movies without using the system tag

User:

This are my favourite film: Star Wars: Episode IV - A New Hope, Shakespeare in Love, Thin Man, The, Yellow Submarine, My Fair Lady, Christmas Story, A, Full Monty, The, Lady and the Tramp, Auntie Mame, Top Hat, Dr. Strangelove or: How I Learned to Stop Worrying and Love the Bomb. Suggest me 50 films based on my favourite genres, do not write film trama, just the name

Assistant:

Great! Based on your favorite films, here are 50 films from different genres that you might enjoy:

1. Action - Raiders of the Lost Ark
2. Adventure - Indiana Jones and the Last Crusade
3. Animation - The Lion King
4. Comedy - Airplane!
5. Crime - The Usual Suspects
6. Drama - The Shawshank Redemption
7. Family - Home Alone
8. Fantasy - The Lord of the Rings: The Fellowship of the Ring
9. Historical Drama - Schindler's List
10. Horror - The Exorcist
11. Musical - West Side Story
12. Romance - Casablanca
13. Romantic Comedy - When Harry Met Sally
14. Science Fiction - Blade Runner
15. Thriller - Jaws
16. War - Saving Private Ryan
17. Western - Butch Cassidy and the Sundance Kid
18. Animated Series - The Simpsons
19. Documentary - The Cove
20. Foreign Language - The Seventh Seal (Sweden)
21. Independent - The Big Sick
22. Mystery - Memento
23. Noir - Chinatown
24. Sports - Raging Bull
25. Superhero - The Dark Knight
26. Teen Movie - Clueless
27. Time Travel - Back to the Future
28. War Drama - Platoon
29. Western Comedy - Butch Cassidy and the Sundance Kid
30. Animated Short - The Nightmare Before Christmas
31. Cult Classic - The Rocky Horror Picture Show
32. Classic Romance - Casablanca
33. Historical Epic - Gladiator
34. Martial Arts - Crouching Tiger, Hidden Dragon
35. Musical Comedy - Singin' in the Rain
36. Romantic Thriller - Fatal Attraction
37. Science Fiction Thriller - Minority Report
38. Superhero Sequel - The Dark Knight Rises
39. War Drama - Saving Private Ryan
40. Western Spaghetti - Once Upon a Time in the West
41. Action-Adventure - Indiana Jones and the Raiders of the Lost Ark
42. Animation - The Lion King
43. Comedy - Airplane!
44. Crime - The Usual Suspects

5. Drama - The Shawshank Redemption
6. Family - Home Alone
7. Fantasy - The Lord of the Rings: The Fellowship of the Ring
8. Horror - The Exorcist
9. Musical - West Side Story
10. Romance - Casablanca
11. Romantic Comedy - When Harry Met Sally
12. Science Fiction - Blade Runner
13. Thriller - Jaws
4. War - Saving Private Ryan
5. Western - Butch Cassidy and the Sundance Kid
6. Animated Series - The Simpsons
7. Documentary - The Cove
8. Foreign Language - The Seventh Seal (Sweden)
9. Independent - The Big Sick
10. Mystery - Memento
11. Noir - Chinatown
12. Sports - Raging Bull
3. Superhero - The Dark Knight
4. Teen Movie - Clueless
5. Time Travel - Back to the Future
6. War Drama - Platoon
7. Western Comedy - Butch Cassidy and the Sundance Kid
8. Animated Short - The Nightmare Before Christmas
9. Cult Classic - The Rocky Horror Picture Show
10. Classic Romance - Casablanca
11. Historical Epic - Gladiator

I hope you find some new movies to enjoy! Let me know if you have any other preferences or genres you'd like me to suggest films for.

Considerations

After using a smaller sample of film the results were the same. So telling the model to not write the trama is not good practice.

4.4 Third Test

In this test We have introduced more information in the input prompt, We have changed the word "film" with "movie" and We have corrected the syntax of some prompts. With this prompt we ask the model to sort a list of movies based on input preferences. The information entered is as follows:

- Write only the name and the year of the movies.
- Write a single list of movies that comprehends every genres in my preferences.

First approach

In the first approach we used 4 test:

1. Test with genre using the system tag
2. Test with genre without using the system tag
3. Test with movies using the system tag
4. Test with movies without using the system tag

In each test we used the following syntax for the prompt:

- Only rank movies released between 1919 and 2000.
- Write only the name and the year of the movies.
- Write a single list of movies.

The user number 5973 has been used to perform this test.

Test with genre using the system tag

System:

Only rank films released between 1919 and 2000. Write only the name and the year of the movies. Write a single list of movies.

User:

These are my favourite film genres: [Drama, Comedy]. Order this list based on my preferences and suggest me only the first 10: [Frankenstein, Groundhog Day, Animal House, This Is Spinal Tap, Roman Holiday, Ice Storm, The, Five Easy Pieces, Dr. Strangelove or: How I Learned to Stop Worrying and Love the Bomb, Sense and Sensibility, 2001: A Space Odyssey, Burnt By the Sun (Utomlyonnye solntsem), Blue Velvet, Gandhi, Tender Mercies, Last Temptation of Christ, The, Young Frankenstein, Friday the 13th, Year of Living Dangerously, Belle de jour, Ruthless People, Apocalypse Now, Red Rock West, Fish Called Wanda, A, Gremlins, Moonstruck, Trainspotting, Mission, The, Right Stuff, The, Streetcar Named Desire, A, Third Man, The, Key Largo, Sixth Sense, The, Sid and Nancy, Taxi Driver, Rear Window, Strictly Ballroom, Indiana Jones and the Last Crusade, Ladybird Ladybird, Gods Must Be Crazy, The, Ran, Annie Hall, Rocky IV, Excalibur, Star Trek IV: The Voyage Home, When Harry Met Sally..., Police Academy, Dog Day Afternoon, Clan of the Cave Bear, The, American Werewolf in London, An, Aliens, History of the World: Part I, Waiting for Guffman, Paris, Texas, 12 Angry Men, After Life, Shakespeare in Love, Serpico, Cool Hand Luke, Midnight Cowboy, Amadeus, Shop Around the Corner, The, Take the Money and Run, Blazing Saddles, To Die For, Farewell My Concubine, Desperately Seeking Susan, Gone with the Wind, Women on the Verge of a Nervous Breakdown, Blade Runner, Out of Sight, Ghostbusters, Day the Earth Stood Still, The, Godfather, The, Fearless, Mildred Pierce, Splash, Twelve Monkeys, Ed Wood, Dead Poets Society, Last Emperor, The, Central Station (Central do Brasil), Killing Fields, The, Harry and the Hendersons, Radio Days, Body Heat, Chinatown, GoodFellas, Repo Man, Raising Arizona, E.T. the Extra-Terrestrial, Caddyshack, Say Anything..., Notorious, Four Weddings and a Funeral, Glory, Do the Right Thing, Good Mother, The, Conan the Barbarian, Short Cuts, Superman II, Star Wars: Episode VI - Return of the Jedi, Reservoir Dogs, Brazil, Babe: Pig in the City, Raise the Red Lantern, Rebel Without a Cause, Nashville, Heathers, Blood Simple, Graduate, The, Raiders of the Lost Ark, Back to the Future, Heavenly Creatures, Philadelphia, Run Lola Run (Lola rennt), To Live (Huozhe), On Golden Pond, Star Wars: Episode V - The Empire Strikes Back, Grifters, The, Mona Lisa, King Kong, Star Wars: Episode IV - A New Hope, Crying Game, The, Cocoon: The Return, Invasion of the Body Snatchers, Terminator, The, Cocoon, Close Encounters of the Third Kind, Maurice, Star Trek V: The Final Frontier, Diva, Good Will Hunting, Robocop, Go, Full Metal Jacket, Godfather: Part II, The, Fugitive, The, Chicken Run, Fisher King, The, Dead Man Walking, Fanny and Alexander, Saving Private Ryan, Once Were Warriors, Fly II, The, Shawshank Redemption, The, Monty Python and the Holy Grail, Ghostbusters II, Alien, Risky Business, Full Monty, The, Being John Malkovich, L.A. Confidential, Simple Plan, A, My Left Foot, Election, Fiendish Plot of Dr. Fu Manchu, The, Rocky, Spanish Prisoner, The, Leaving Las Vegas, Fly, The, High Noon, Treasure of the Sierra Madre, The, Arthur, Crimson Tide, Quiz Show, Lone Star, Raging Bull, Bridge on the River Kwai, The, No Way Out, My Life as a Dog (Mitt liv som hund), Die Hard, Breaking Away, City of Lost Children, The, Batman, Friday the 13th Part 2, Rocky III].

Assistant:

Based on your preferences, I have sorted the list of movies into genres and prioritized them based on your preferences. Here are the first 10 movies from each genre:

Drama:

1. 2001: A Space Odyssey (1968)
2. The Godfather (1972)
3. The Godfather: Part II (1974)
4. The Shawshank Redemption (1994)
5. The Full Monty (1997)
6. Trainspotting (1996)
7. The Big Lebowski (1998)
8. Eternal Sunshine of the Spotless Mind (2004)
9. The Social Network (2010)
10. 12 Years a Slave (2013)

Comedy:

1. Groundhog Day (1993)
2. The Big Lebowski (1998)
3. Monty Python and the Holy Grail (1975)
4. Ghostbusters (1984)

5. Airplane! (1980)
6. The Naked Gun: From the Files of Police Squad! (1988)
7. Dumb and Dumber (1994)
8. The Hangover (2009)
9. Bridesmaids (2011)
10. The 40-Year-Old Virgin (2005)

Note: Some movies may fit into multiple genres, but I have categorized them based on their primary genre.

Test with genre without using the system tag

User:

Only rank films released between 1919 and 2000. Write only the name and the year of the movies. Write a single list of movies. These are my favourite film genres: [Drama, Comedy]. Order this list based on my preferences and suggest me only the first 10 : [Year of Living Dangerously, Election, Treasure of the Sierra Madre, The, Burnt By the Sun (Utomlyonnye solntsem), Leaving Las Vegas, Good Will Hunting, Trainspotting, Lone Star, After Life, No Way Out, Raising Arizona, Philadelphia, Rocky IV, Babe: Pig in the City, Excalibur, Fish Called Wanda, A, Blue Velvet, Heathers, Godfather, The, 2001: A Space Odyssey, Third Man, The, Ghostbusters II, Brazil, Caddyshack, Fly II, The, Dr. Strangelove or: How I Learned to Stop Worrying and Love the Bomb, Grifters, The, Key Largo, Desperately Seeking Susan, Short Cuts, Ed Wood, Indiana Jones and the Last Crusade, When Harry Met Sally..., Superman II, Batman, Chinatown, Belle de jour, Run Lola Run (Lola rennt), Crying Game, The, Blazing Saddles, Moonstruck, Ruthless People, Ladybird Ladybird, Terminator, The, 12 Angry Men, Gone with the Wind, Rocky III, Mona Lisa, E.T. the Extra-Terrestrial, Strictly Ballroom, My Left Foot, Shawshank Redemption, The, Invasion of the Body Snatchers, Good Mother, The, Rocky, Graduate, The, Quiz Show, Blade Runner, Dead Man Walking, L.A. Confidential, Right Stuff, The, To Live (Huozhe), Being John Malkovich, Gods Must Be Crazy, The, Splash, My Life as a Dog (Mitt liv som hund), Arthur, Crimson Tide, Nashville, Five Easy Pieces, Farewell My Concubine, King Kong, Spanish Prisoner, The, Alien, Fisher King, The, Fearless, Heavenly Creatures, Glory, Taxi Driver, American Werewolf in London, An, Monty Python and the Holy Grail, Notorious, Midnight Cowboy, Fugitive, The, Last Temptation of Christ, The, Star Trek V: The Final Frontier, Dead Poets Society, Fly, The, Cocoon, Day the Earth Stood Still, The, Paris, Texas, Ran, Risky Business, Fiendish Plot of Dr. Fu Manchu, The, Aliens, Ice Storm, The, Out of Sight, Tender Mercies, Friday the 13th, Raging Bull, Harry and the Hendersons, Ghostbusters, History of the World: Part I, High Noon, On Golden Pond, Godfather: Part II, The, Saving Private Ryan, Four Weddings and a Funeral, Apocalypse Now, Once Were Warriors, Rear Window, Shakespeare in Love, GoodFellas, Repo Man, Cocoon: The Return, Breaking Away, Shop Around the Corner, The, Dog Day Afternoon, Take the Money and Run, Groundhog Day, Full Monty, The, Say Anything..., Rebel Without a Cause, City of Lost Children, The, Blood Simple, Cool Hand Luke, Friday the 13th Part 2, Body Heat, Radio Days, Star Wars: Episode V - The Empire Strikes Back, Gandhi, Frankenstein, Killing Fields, The, Last Emperor, The, Die Hard, Close Encounters of the Third Kind, Go, Star Wars: Episode IV - A New Hope, Raiders of the Lost Ark, Women on the Verge of a Nervous Breakdown, Mission, The, Annie Hall, Police Academy, Mildred Pierce, Raise the Red Lantern, Simple Plan, A, Back to the Future, Twelve Monkeys, Serpico, Sid and Nancy, Chicken Run, To Die For, Roman Holiday, Bridge on the River Kwai, The, Waiting for Guffman, Sixth Sense, The, Red Rock West, Conan the Barbarian, Robocop, Streetcar Named Desire, A, Animal House, Maurice, Star Wars: Episode VI - Return of the Jedi, Reservoir Dogs, Diva, Sense and Sensibility, Clan of the Cave Bear, The, Do the Right Thing, Full Metal Jacket, Fanny and Alexander, Star Trek IV: The Voyage Home, Young Frankenstein, This Is Spinal Tap, Gremlins, Amadeus, Central Station (Central do Brasil)].

Assistant:

Based on your preferences, I have compiled a list of the first 10 movies that you might enjoy. These films are a mix of drama and comedy, and were released between 1919 and 2000.

1. The Year of Living Dangerously (1982) - A drama film set in Indonesia during the political upheaval of the 1960s.
2. Election (1999) - A comedy-drama film that follows a high school student running for student body president.
3. Treasure of the Sierra Madre (1948) - An adventure film about two down-on-their-luck Americans who team up with a Mexican bandit to search for gold in Mexico.
4. Leaving Las Vegas (1995) - A drama film about a homeless man who moves to Las Vegas to drink himself to death, and the alcoholic nurse who takes him in.
5. Good Will Hunting (1997) - A drama film about a troubled young math prodigy who seeks therapy from a psychologist and falls in love with a graduate student.
6. Trainspotting (1996) - A black comedy film about a group of heroin addicts in Edinburgh, Scotland.
7. Lone Star (1996) - A drama film about a white Texas Ranger who investigates the murder of a Mexican immigrant.
8. After Life (1998) - A drama film about a man who works in a bureaucracy office in Tokyo and discovers that he is in a purgatory after death.
9. No Way Out (1990) - A drama film about a naval officer who uncovers a conspiracy involving a mutiny on a naval destroyer.
10. Raising Arizona (1987) - A comedy film about a couple who kidnap a baby after the wife is unable to have one of her own.

I hope you enjoy these films! Let me know if you have any other preferences or if you would like me to recommend more movies.

Test with movies using the system tag

System:

Only rank films released between 1919 and 2000. Write only the name and the year of the movies. Write a single list of movies.

User:

These are my favourite film: [Fugitive, The, Third Man, The, Year of Living Dangerously, Tender Mercies, Take the Money and Run, Godfather, The, Philadelphia, Paris, Texas, City of Lost Children, The, Farewell My Concubine, Blood Simple, This Is Spinal Tap, Alien, After Life, Serpico, Central Station (Central do Brasil), Notorious, Close Encounters of the Third Kind, Invasion of the Body Snatchers, E.T. the Extra-Terrestrial, Crying Game, The, L.A. Confidential, Full Monty, The, Excalibur, Dr. Strangelove or: How I Learned to Stop Worrying and Love the Bomb, Annie Hall, Monty Python and the Holy Grail, Mona Lisa, Fearless, Burnt By the Sun (Utomlyonnye solntsem), Dog Day Afternoon, GoodFellas, Repo Man, Blade Runner, Election, Godfather: Part II, The, Lone Star, Young Frankenstein, Bridge on the River Kwai, The, To Live (Huozhe), Run Lola Run (Lola rennt), Short Cuts, Ice Storm, The, Shawshank Redemption, The, Key Largo, Last Emperor, The, Women on the Verge of a Nervous Breakdown, Chinatown, Rear Window, 2001: A Space Odyssey, Body Heat, Breaking Away, Risky Business, Nashville, Mildred Pierce, Grifters, The, 12 Angry Men, Simple Plan, A, Being John Malkovich, Cool Hand Luke, Shop Around the Corner, The, Treasure of the Sierra Madre, The, Blazing Saddles, Apocalypse Now, Blue Velvet, Graduate, The, Sixth Sense, The, Heathers, Splash, Red Rock West, Taxi Driver, Raging Bull, Fisher King, The, Last Temptation of Christ, The, Day the Earth Stood Still, The, Brazil, Trainspotting, Ladybird Ladybird, Streetcar Named Desire, A, High Noon, My Left Foot, Chicken Run, Raise the Red Lantern, Star Wars: Episode IV - A New Hope, Groundhog Day, Reservoir Dogs, My Life as a Dog (Mitt liv som hund), History of the World: Part I, Five Easy Pieces, Rebel Without a Cause, No Way Out, Babe: Pig in the City, When Harry Met Sally..., Saving Private Ryan, Dead Man Walking, Twelve Monkeys, Roman Holiday, Midnight Cowboy, Frankenstein, Go, Spanish Prisoner, The, Once Were Warriors, Diva, Fanny and Alexander, Full Metal Jacket, Strictly Ballroom]. Order this list based on my preferences and suggest me only the first 10 : [Police Academy, Year of Living Dangerously, Batman, Do the Right Thing, Mona Lisa, Animal House, Frankenstein, Paris, Texas, Ghostbusters II, Women on the Verge of a Nervous Breakdown, Key Largo, Belle de jour, This Is Spinal Tap, Terminator, The, Raging Bull, Bridge on the River Kwai, The, Saving Private Ryan, Third Man, The, My Life as a Dog (Mitt liv som hund), Fisher King, The, Friday the 13th Part 2, Treasure of the Sierra Madre, The, Breaking Away, American Werewolf in London, An, GoodFellas, Gremlins, Close Encounters of the Third Kind, Raiders of the Lost Ark, Raise the Red Lantern, Cocoon: The Return, Election, Five Easy Pieces, Central Station (Central do Brasil), Blade Runner, Sense and Sensibility, Nashville, Glory, Splash, Caddyshack, Trainspotting, Fly II, The, My Left Foot, Last Temptation of Christ, The, Fearless, Rocky III, Out of Sight, Ice Storm, The, Star Wars: Episode IV - A New Hope, Invasion of the Body Snatchers, Sid and Nancy, Young Frankenstein, Reservoir Dogs, Ghostbusters, Grifters, The, Shakespeare in Love, Body Heat, Star Wars: Episode V - The Empire Strikes Back, History of the World: Part I, Chinatown, Crying Game, The, Four Weddings and a Funeral, High Noon, Good Mother, The, Diva, Full Monty, The, Farewell My Concubine, Quiz Show, Friday the 13th, Tender Mercies, Rebel Without a Cause, Heavenly Creatures, Killing Fields, The, Once Were Warriors, 12 Angry Men, After Life, Twelve Monkeys, Good Will Hunting, Blazing Saddles, Roman Holiday, Arthur, Full Metal Jacket, Sixth Sense, The, Rear Window, 2001: A Space Odyssey, Blue Velvet, Clan of the Cave Bear, The, No Way Out, Star Trek V: The Final Frontier, Moonstruck, King Kong, Rocky, Dead Man Walking, To Die For, To Live (Huozhe), Gods Must Be Crazy, The, Serpico, Red Rock West, Robocop, Mission, The, Shawshank Redemption, The, Monty Python and the Holy Grail, Maurice, Streetcar Named Desire, A, Go, Annie Hall, Midnight Cowboy, Take the Money and Run, Philadelphia, Notorious, Die Hard, Cool Hand Luke, Strictly Ballroom, City of Lost Children, The, Godfather, The, Harry and the Hendersons, Raising Arizona, Brazil, Ran, Being John Malkovich, Repo Man, Run Lola Run (Lola rennt), Dog Day Afternoon, Chicken Run, Leaving Las Vegas, Taxi Driver, Groundhog Day, Mildred Pierce, Risky Business, Day the Earth Stood Still, The, E.T. the Extra-Terrestrial, When Harry Met Sally..., Fly, The, Babe: Pig in the City, Cocoon, Indiana Jones and the Last Crusade, Fiendish Plot of Dr. Fu Manchu, The, Superman II, Last Emperor, The, Gandhi, Heathers, Apocalypse Now, Fugitive, The, Desperately Seeking Susan, Alien, Ruthless People, Godfather: Part II, The, Crimson Tide, Spanish Prisoner, The, Conan the Barbarian, Ed Wood, Say Anything..., Waiting for Guffman, Rocky IV, L.A. Confidential, Amadeus, Burnt By the Sun (Utomlyonnye solntsem), Right Stuff, The, Radio Days, Dr. Strangelove or: How I Learned to Stop Worrying and Love the Bomb, Ladybird Ladybird, Dead Poets Society, Star Trek IV: The Voyage Home, Shop Around the Corner, The, Excalibur, Lone Star, Simple Plan, A, Fanny and Alexander, Fish Called Wanda, A, Aliens, Graduate, The, On Golden Pond, Star Wars: Episode VI - Return of the Jedi, Back to the Future, Blood Simple, Short Cuts, Gone with the Wind].

Assistant:

Based on your preferences, I have ordered your list of favorite movies chronologically. Here are the first 10 movies on your list:

1. Police Academy (1984)
2. Year of Living Dangerously (1982)
3. Batman (1989)
4. Do the Right Thing (1989)
5. Mona Lisa (1986)
6. Animal House (1978)
7. Frankenstein (1931)
8. Paris, Texas (1984)
9. Ghostbusters II (1989)
10. Women on the Verge of a Nervous Breakdown (1988)

These movies are all classics and have been widely acclaimed for their storytelling, acting, and cinematic excellence.

Test with movies without using the system tag

User:

Only rank films released between 1919 and 2000. Write only the name and the year of the movies. Write a single list of movies. These are my favourite film: [Run Lola Run (Lola rennt), Blood Simple, Key Largo, This Is Spinal Tap, E.T. the Extra-Terrestrial, Tender Mercies, City of Lost Children, The, Blue Velvet, Spanish Prisoner, The, Repo Man, Lone Star, Election, Risky Business, Rear Window, Dog Day Afternoon, Third Man, The, 12 Angry Men, Full Monty, The, Godfather: Part II, The, Babe: Pig in the City, Mona Lisa, Frankenstein, Fearless, Dead Man Walking, Body Heat, Once Were Warriors, Chicken Run, History of the World: Part I, Notorious, Raging Bull, Taxi Driver, Last Temptation of Christ, The, Year of Living Dangerously, High Noon, Roman Holiday, Godfather, The, Young Frankenstein, Shawshank Redemption, The, Day the Earth Stood Still, The, Annie Hall, Nashville, Twelve Monkeys, Ice Storm, The, Fisher King, The, L.A. Confidential, Short Cuts, Sixth Sense, The, Treasure of the Sierra Madre, The, Fugitive, The, Full Metal Jacket, Dr. Strangelove or: How I Learned to Stop Worrying and Love the Bomb, Five Easy Pieces, Invasion of the Body Snatchers, Last Emperor, The, GoodFellas, No Way Out, Rebel Without a Cause, Serpico, Mildred Pierce, Excalibur, Monty Python and the Holy Grail, Simple Plan, A, Close Encounters of the Third Kind, Ladybird Ladybird, Diva, My Life as a Dog (Mitt liv som hund), Crying Game, The, Fanny and Alexander, Blade Runner, Chinatown, Apocalypse Now, Reservoir Dogs, Cool Hand Luke, Bridge on the River Kwai, The, Go, Brazil, Streetcar Named Desire, A, Graduate, The, Midnight Cowboy, To Live (Huozhe), Grifters, The, Splash, Groundhog Day, Strictly Ballroom, Take the Money and Run, After Life, Star Wars: Episode IV - A New Hope, Shop Around the Corner, The, Heathers, Farewell My Concubine, Central Station (Central do Brasil), Raise the Red Lantern, My Left Foot, Saving Private Ryan, 2001: A Space Odyssey, Red Rock West, Being John Malkovich, When Harry Met Sally..., Alien, Trainspotting, Burnt By the Sun (Utomlyonnye solntsem), Women on the Verge of a Nervous Breakdown, Breaking Away, Blazing Saddles, Philadelphia, Paris, Texas]. Order this list based on my preferences and suggest me only the first 10 : [Dr. Strangelove or: How I Learned to Stop Worrying and Love the Bomb, Mona Lisa, Caddyshack, Quiz Show, King Kong, Simple Plan, A, 2001: A Space Odyssey, Year of Living Dangerously, Paris, Texas, Heavenly Creatures, Rebel Without a Cause, Crying Game, The, Repo Man, Farewell My Concubine, Back to the Future, Rocky IV, Rear Window, E.T. the Extra-Terrestrial, Say Anything..., Ice Storm, The, Gandhi, Raise the Red Lantern, To Die For, Taxi Driver, Spanish Prisoner, The, Body Heat, Ruthless People, Graduate, The, Annie Hall, Raging Bull, Monty Python and the Holy Grail, Leaving Las Vegas, Radio Days, Ghostbusters, Fugitive, The, Sixth Sense, The, Killing Fields, The, Bridge on the River Kwai, The, Die Hard, Gods Must Be Crazy, The, Good Will Hunting, Last Emperor, The, Streetcar Named Desire, A, Fearless, GoodFellas, Alien, Cool Hand Luke, Shop Around the Corner, The, Short Cuts, Star Wars: Episode V - The Empire Strikes Back, Fish Called Wanda, A, Batman, Mission, The, History of the World: Part I, Ladybird Ladybird, Blazing Saddles, City of Lost Children, The, Babe: Pig in the City, Full Monty, The, Friday the 13th Part 2, Rocky, My Life as a Dog (Mitt liv som hund), When Harry Met Sally..., Out of Sight, This Is Spinal Tap, Close Encounters of the Third Kind, Star Trek IV: The Voyage Home, Robocop, Amadeus, Mildred Pierce, Fly II, The, Cocoon, Once Were Warriors, Excalibur, Lone Star, Shawshank Redemption, The, Trainspotting, Ghostbusters II, Red Rock West, Invasion of the Body Snatchers, Fly, The, Day the Earth Stood Still, The, Chinatown, Frankenstein, Midnight Cowboy, Terminator, The, Waiting for Guffman, Notorious, Reservoir Dogs, Good Mother, The, Strictly Ballroom, Crimson Tide, American Werewolf in London, An, Brazil, Animal House, Cocoon: The Return, Take the Money and Run, Sid and Nancy, Saving Private Ryan, Apocalypse Now, Glory, Dead Poets Society, Police Academy, Full Metal Jacket, Fiendish Plot of Dr. Fu Manchu, The, On Golden Pond, Run Lola Run (Lola rennt), No Way Out, Four Weddings and a Funeral, Key Largo, Clan of the Cave Bear, The, Women on the Verge of a Nervous Breakdown, Superman II, Serpico, Harry and the Hendersons, Being John Malkovich, Tender Mercies, Heathers, Desperately Seeking Susan, Burnt By the Sun (Utomlyonnye solntsem), Election, Young Frankenstein, Dead Man Walking, Third Man, The, Right Stuff, The, Gone with the Wind, Maurice, Twelve Monkeys, Rocky III, To Live (Huozhe), Groundhog Day, Nashville, 12 Angry Men, Belle de jour, Gremlins, Risky Business, Go, Raising Arizona, Star Wars: Episode IV - A New Hope, Star Wars: Episode VI - Return of the Jedi, Ed Wood, After Life, Friday the 13th, Fisher King, The, Sense and Sensibility, Indiana Jones and the Last Crusade, Blood Simple, Treasure of the Sierra Madre, The, Shakespeare in Love, Conan the

Barbarian, Central Station (Central do Brasil), L.A. Confidential, Dog Day Afternoon, Star Trek V: The Final Frontier, Roman Holiday, Blade Runner, Diva, Fanny and Alexander, My Left Foot, Breaking Away, Ran, Arthur, Five Easy Pieces, Philadelphia, High Noon, Splash, Godfather: Part II, The, Aliens, Chicken Run, Grifters, The, Moonstruck, Godfather, The, Last Temptation of Christ, The, Do the Right Thing, Raiders of the Lost Ark, Blue Velvet].

Assistant:

Based on your preferences, here are the first 10 movies from the list:

1. Dr. Strangelove or: How I Learned to Stop Worrying and Love the Bomb (1964)
2. Mona Lisa (1966)
3. Caddyshack (1980)
4. Quiz Show (1982)
5. King Kong (1976)
6. Simple Plan (1982)
7. 2001: A Space Odyssey (1968)
8. Year of Living Dangerously (1982)
9. Paris, Texas (1984)
10. Heavenly Creatures (1994)

These movies are some of the most highly-regarded and popular films from the list, and are a good starting point for exploring your favorite films.

Considerations

Sometimes the model suggested two lists, movies that had nothing to do with the input list and the ordering of the final list corresponds to the ordering of the given list

Second approach

In the second approach we used 4 test:

1. Test with genre using the system tag
2. Test with genre without using the system tag
3. Test with movies using the system tag
4. Test with movies without using the system tag

In each test we used the following syntax for the prompt:

- Write only the name and the year of the movies.
- Write a single list of movies that comprehends every genres in my preferences.

The user number 5973 has been used to perform this test.

Test with genre using the system tag

System:

Write only the name and the year of the movies. Write a single list of movies that comprehends every genres in my preferences.

User:

These are my favourite film genres: [Comedy, Drama].Sort this list using my preferences and suggest me only the first 10(In this list the order of the films is random,In this list the order of the films does not represent any preference) : [Raise the Red Lantern, Groundhog Day, Belle de jour, Radio Days, Fiendish Plot of Dr. Fu Manchu, The,

Once Were Warriors, Sense and Sensibility, History of the World: Part I, Breaking Away, Last Emperor, The, Terminator, The, Godfather: Part II, The, Godfather, The, Animal House, Ladybird Ladybird, Heavenly Creatures, Good Will Hunting, Strictly Ballroom, City of Lost Children, The, Paris, Texas, Alien, Key Largo, Short Cuts, Crimson Tide, Body Heat, My Life as a Dog (Mitt liv som hund), Friday the 13th, Taxi Driver, Third Man, The, Annie Hall, Repo Man, Nashville, Cocoon: The Return, Four Weddings and a Funeral, Dog Day Afternoon, Ghostbusters II, Gone with the Wind, To Die For, Fly II, The, Frankenstein, Amadeus, Red Rock West, On Golden Pond, Gods Must Be Crazy, The, Midnight Cowboy, Do the Right Thing, Bridge on the River Kwai, The, Simple Plan, A, Chicken Run, Apocalypse Now, Crying Game, The, Blood Simple, Day the Earth Stood Still, The, Moonstruck, Ice Storm, The, Babe: Pig in the City, Mildred Pierce, Back to the Future, Roman Holiday, Trainspotting, Shawshank Redemption, The, Ruthless People, Election, Full Metal Jacket, Cocoon, Saving Private Ryan, Tender Mercies, Blade Runner, Glory, Star Trek IV: The Voyage Home, Dr. Strangelove or: How I Learned to Stop Worrying and Love the Bomb, High Noon, Batman, No Way Out, Five Easy Pieces, Raiders of the Lost Ark, Splash, Being John Malkovich, Shakespeare in Love, Fanny and Alexander, Blue Velvet, Chinatown, Women on the Verge of a Nervous Breakdown, Farewell My Concubine, Close Encounters of the Third Kind, L.A. Confidential, To Live (Huozhe), Raising Arizona, Central Station (Central do Brasil), Fish Called Wanda, A, After Life, Desperately Seeking Susan, Star Wars: Episode V - The Empire Strikes Back, Friday the 13th Part 2, Star Wars: Episode VI - Return of the Jedi, Conan the Barbarian, Brazil, Burnt By the Sun (Utomlyonnye solntsem), Graduate, The, Twelve Monkeys, Rocky III, Reservoir Dogs, Fisher King, The, Killing Fields, The, Rear Window, Dead Man Walking, Robocop, Spanish Prisoner, The, Notorious, Caddyshack, 12 Angry Men, Right Stuff, The, This Is Spinal Tap, Year of Living Dangerously, When Harry Met Sally..., Rocky IV, Clan of the Cave Bear, The, Dead Poets Society, Treasure of the Sierra Madre, The, Quiz Show, Arthur, Diva, Maurice, Risky Business, Mona Lisa, Police Academy, Serpico, Harry and the Hendersons, American Werewolf in London, An, Invasion of the Body Snatchers, Cool Hand Luke, Excalibur, Fearless, Ghostbusters, Mission, The, My Left Foot, Gandhi, Blazing Saddles, Raging Bull, Take the Money and Run, Monty Python and the Holy Grail, Star Wars: Episode IV - A New Hope, Grifters, The, Die Hard, Go, Philadelphia, Lone Star, King Kong, Run Lola Run (Lola rennt), Waiting for Guffman, Rebel Without a Cause, Indiana Jones and the Last Crusade, Full Monty, The, Sixth Sense, The, Rocky, Last Temptation of Christ, The, Superman II, Streetcar Named Desire, A, Leaving Las Vegas, Good Mother, The, Star Trek V: The Final Frontier, Ed Wood, Sid and Nancy, Out of Sight, Fly, The, 2001: A Space Odyssey, Shop Around the Corner, The, Heathers, Young Frankenstein, Fugitive, The, E.T. the Extra-Terrestrial, Aliens, Gremlins, Ran, Say Anything..., GoodFellas].

Assistant:

Sure, here are the first 10 movies from your list that belong to different genres:

1. Comedy: Groundhog Day (1993)
2. Drama: Raise the Red Lantern (1991)
3. Comedy: Animal House (1978)
4. Drama: Once Were Warriors (1994)
5. Comedy: Good Will Hunting (1997)
6. Drama: Sense and Sensibility (1995)
7. Comedy: Strictly Ballroom (1992)
8. Drama: The Last Emperor (1987)
9. Comedy: Short Cuts (1993)
10. Drama: Good Mother (1988)

Test with genre without using the system tag

User:

Write only the name and the year of the movies. Write a single list of movies that comprehends every genres in my preferences. These are my favourite film genres: [Comedy, Drama]. Sort this list using my preferences and suggest me only the first 10 (In this list the order of the films is random, In this list the order of the films does not represent any preference) : [Breaking Away, My Left Foot, Cocoon, Raise the Red Lantern, Fisher King, The, Harry and the Hendersons, Year of Living Dangerously, Robocop, Desperately Seeking Susan, Monty Python and the Holy Grail, Cool Hand Luke, Do the Right Thing, 12 Angry Men, Fanny and Alexander, Full Metal Jacket, Twelve Monkeys, Blood Simple, Fearless, Right Stuff, The, Belle de jour, Burnt By the Sun (Utomlyonnye solntsem), Dead Poets Society, Bridge on the River Kwai, The, King Kong, Ed Wood, Spanish Prisoner, The, Graduate, The, Star Trek V: The Final Frontier, Dog Day Afternoon, Once Were Warriors, Annie Hall, Star Wars: Episode IV - A New Hope, Short Cuts, Quiz Show, Shakespeare in Love, High Noon, Simple Plan, A, To Die For, Aliens, Glory, Election, American Werewolf in London, An, Repo Man, Four Weddings and a Funeral, Rear Window, Alien, Animal House, Moonstruck, To Live (Huozhe), Apocalypse Now, Sid and Nancy, Babe: Pig in the City, Waiting for Guffman, Streetcar Named Desire, A, Ladybird Ladybird, Trainspotting, Ghostbusters, Women on the Verge of a Nervous Breakdown, City of Lost Children, The, Rocky, Farewell My Concubine, Grifters, The, Say Anything..., Caddyshack, Splash, Third Man, The, On Golden Pond, Philadelphia, Star Trek IV: The Voyage Home, Heathers, Godfather, The, Rocky III, Crying Game, The, Fiendish Plot of Dr. Fu Manchu, The, When Harry Met Sally..., Ghostbusters II, Key Largo, L.A. Confidential, Shop Around the Corner, The, Chinatown, Arthur, Superman II, E.T. the Extra-Terrestrial, Close Encounters of the Third Kind, Blazing Saddles, Run Lola Run (Lola rennt), Raising Arizona, Serpico, Friday the 13th Part 2, Back to the Future, Risky Business, Go, Crimson Tide, Star Wars: Episode VI - Return of the Jedi, Mission, The, Paris, Texas, Dr. Strangelove or: How I Learned to Stop Worrying and Love the Bomb, Good Will Hunting, Lone Star, Last Temptation of Christ, The, Good Mother, The, Groundhog Day, Rocky IV, Being John Malkovich, Fly, The, Treasure of the Sierra Madre, The, Notorious, Ran, Red Rock West, Ice Storm, The, Frankenstein, Take the Money and Run, My Life as a Dog (Mitt liv som hund), Young Frankenstein, Shawshank Redemption, The, Diva, History of the World: Part I, Body Heat, Mona Lisa, Excalibur, Indiana Jones and the Last Crusade, Dead Man Walking, Central Station (Central do Brasil), Midnight Cowboy, Sense and Sensibility, Invasion of the Body Snatchers, After Life, Brazil, Killing Fields, The, Gone with the Wind, GoodFellas, Blue Velvet, Clan of the Cave

Bear, The, Leaving Las Vegas, Chicken Run, Ruthless People, Raging Bull, Tender Mercies, Gods Must Be Crazy, The, Rebel Without a Cause, Terminator, The, Maurice, Fly II, The, Blade Runner, Friday the 13th, Mildred Pierce, Heavenly Creatures, Fugitive, The, Out of Sight, Nashville, Gandhi, Roman Holiday, Star Wars: Episode V - The Empire Strikes Back, Cocoon: The Return, Amadeus, Taxi Driver, Godfather: Part II, The, 2001: A Space Odyssey, Radio Days, Saving Private Ryan, Last Emperor, The, Raiders of the Lost Ark, Fish Called Wanda, A, Full Monty, The, Day the Earth Stood Still, The, Conan the Barbarian, Five Easy Pieces, No Way Out, Reservoir Dogs, Police Academy, Strictly Ballroom, Gremlins, Sixth Sense, The, This Is Spinal Tap, Die Hard, Batman].

Assistant:

Sure! Here are the first 10 movies from your list of favorite genres:

1. Comedy: Airplane! (1980)
 2. Drama: Schindler's List (1993)
- Other movies in your list include:
3. Comedy: Groundhog Day (1993)
 4. Drama: The Shawshank Redemption (1994)
 5. Comedy: Monty Python and the Holy Grail (1975)
 6. Drama: 12 Angry Men (1957)
 7. Comedy: Caddyshack (1980)
 8. Drama: The Godfather (1972)
 9. Comedy: National Lampoon's Vacation (1983)
 10. Drama: The Good Mother (1988)

I hope you find this list helpful! Let me know if you have any other questions.

Test with movies using the system tag

System:

Write only the name and the year of the movies. Write a single list of movies that comprehends every genres in my preferences.

User:

These are my favourite film: [Shop Around the Corner, The, Shawshank Redemption, The, Short Cuts, Year of Living Dangerously, High Noon, Repo Man, Dr. Strangelove or: How I Learned to Stop Worrying and Love the Bomb, Monty Python and the Holy Grail, Annie Hall, Fearless, 12 Angry Men, L.A. Confidential, Run Lola Run (Lola rennt), Cool Hand Luke, My Life as a Dog (Mitt liv som hund), Mildred Pierce, Frankenstein, Apocalypse Now, E.T. the Extra-Terrestrial, Babe: Pig in the City, Last Emperor, The, Being John Malkovich, Graduate, The, Blood Simple, History of the World: Part I, Full Monty, The, Blazing Saddles, Brazil, Body Heat, Grifters, The, Young Frankenstein, Go, Taxi Driver, City of Lost Children, The, Philadelphia, Fisher King, The, Godfather, The, No Way Out, Rebel Without a Cause, Chinatown, Notorious, Risky Business, Midnight Cowboy, Serpico, Treasure of the Sierra Madre, The, Central Station (Central do Brasil), Bridge on the River Kwai, The, Reservoir Dogs, Chicken Run, Rear Window, To Live (Huozhe), Star Wars: Episode IV - A New Hope, Groundhog Day, Saving Private Ryan, Simple Plan, A, Breaking Away, Twelve Monkeys, Tender Mercies, Mona Lisa, Roman Holiday, Nashville, Strictly Ballroom, Blue Velvet, Day the Earth Stood Still, The, Ladybird Ladybird, When Harry Met Sally..., Fugitive, The, Crying Game, The, GoodFellas, Ice Storm, The, Election, This Is Spinal Tap, Dog Day Afternoon, Godfather: Part II, The, Alien, 2001: A Space Odyssey, Sixth Sense, The, Paris, Texas, Splash, My Left Foot, Trainspotting, Heathers, Full Metal Jacket, Dead Man Walking, Lone Star, Raging Bull, Spanish Prisoner, The, Blade Runner, Invasion of the Body Snatchers, Take the Money and Run, Streetcar Named Desire, A, Red Rock West, Diva, Close Encounters of the Third Kind, Raise the Red Lantern, Women on the Verge of a Nervous Breakdown, Five Easy Pieces, Excalibur, After Life, Burnt By the Sun (Utomlyonnye solntsem), Third Man, The, Last Temptation of Christ, The, Once Were Warriors, Farewell My Concubine, Fanny and Alexander, Key Largo]. Sort this list using my preferences and suggest me only the first 10 (In this list the order of the films is random, In this list the order of the films does not represent any preference): [Fearless, Young Frankenstein, Waiting for Guffman, E.T. the Extra-Terrestrial, Year of Living Dangerously, Amadeus, Diva, Splash, Animal House, Repo Man, Out of Sight, Aliens, Ruthless People, Treasure of the Sierra Madre, The, Streetcar Named Desire, A, King Kong, Raiders of the Lost Ark, Desperately Seeking Susan, No Way Out, Sid and Nancy, Do the Right Thing, L.A. Confidential, Blue Velvet, Godfather, The, Dr. Strangelove or: How I Learned to Stop Worrying and Love the Bomb, Last Temptation of Christ, The, Women on the Verge of a Nervous Breakdown, Apocalypse Now, Annie Hall, Glory, Run Lola Run (Lola rennt), This Is Spinal Tap, City of Lost Children, The, Raging Bull, After Life, Fiendish Plot of Dr. Fu Manchu, The, Friday the 13th Part 2, Quiz Show, Cocoon: The Return, Ghostbusters II, Fly, The, Conan the Barbarian, Arthur, Batman, Mildred Pierce, Nashville, Alien, Moonstruck, Go, Full Monty, The, Good Will Hunting, Leaving Las Vegas, Dead Poets Society, Star Wars: Episode IV - A New Hope, Radio Days, Belle de jour, Maurice, Heathers, Caddyshack, High Noon, Excalibur, Five Easy Pieces, Sense and Sensibility, Last Emperor, The, Shop Around the Corner, The, Roman Holiday, Short Cuts, Fish Called Wanda, A, To Die For, Blood Simple, Gremlins, Central Station (Central do Brasil), Star Trek IV: The Voyage Home, Say Anything..., Grifters, The, Once Were Warriors, Body Heat, Crying Game, The, Harry and the Hendersons, Spanish Prisoner, The, Risky Business, Raising Arizona, Chinatown, Farewell My Concubine, Rear Window, Dog Day Afternoon, Bridge on the River Kwai, The, Lone Star, Serpico, Babe: Pig in the City, Friday the 13th, Raise the Red Lantern, Indiana Jones and the Last Crusade, Rebel Without a Cause, Shawshank Redemption, The, Cool Hand Luke, Mission, The, My Life as a Dog (Mitt liv som hund), Groundhog Day, Day the Earth Stood Still, The, Fugitive, The, Blazing Saddles, Star Wars: Episode VI - Return of the Jedi, Taxi Driver, 2001: A Space Odyssey, Clan of the Cave Bear, The, Back to the Future, Midnight Cowboy, Four Weddings and a Funeral, Dead Man Walking, Superman II, Full Metal Jacket, Right Stuff, The, Ran, 12 Angry Men, Brazil, Ladybird Ladybird, Chicken Run, Good Mother, The, Sixth Sense, The, Crimson Tide, My Left Foot, Burnt By the Sun (Utomlyonnye solntsem), Die Hard, Breaking Away, Paris, Texas, Key Largo, American Werewolf in London, An, Star Wars: Episode V - The Empire Strikes Back, Close Encounters of the Third Kind, Heavenly Creatures, To Live

(Huozhe), Robocop, Fanny and Alexander, Notorious, Red Rock West, Third Man, The, Rocky III, Killing Fields, The, Terminator, The, History of the World: Part I, Graduate, The, On Golden Pond, Gods Must Be Crazy, The, Saving Private Ryan, Gandhi, Star Trek V: The Final Frontier, Cocoon, Ghostbusters, Simple Plan, A, Ice Storm, The, Trainspotting, Gone with the Wind, Tender Mercies, GoodFellas, Mona Lisa, Godfather: Part II, The, Shakespeare in Love, Election, Twelve Monkeys, Take the Money and Run, Fly II, The, Rocky, Reservoir Dogs, Invasion of the Body Snatchers, Philadelphia, Monty Python and the Holy Grail, Rocky IV, When Harry Met Sally..., Frankenstein, Ed Wood, Blade Runner, Being John Malkovich, Police Academy, Fisher King, The, Strictly Ballroom].

Assistant:

Sure, here are the first 10 movies from your list that match your preferences:

1. Fearless (1993)
2. Young Frankenstein (1974)
3. E.T. the Extra-Terrestrial (1982)
4. Year of Living Dangerously (1983)
5. Amadeus (1984)
6. Diva (1981)
7. Splash (1984)
8. Animal House (1978)
9. Repo Man (1984)
10. Out of Sight (1997)

These movies are a mix of different genres, including comedy, drama, action, and science fiction, which are all represented in your list.

Test with movies without using the system tag

User:

Write only the name and the year of the movies. Write a single list of movies that comprehends every genres in my preferences. These are my favourite film: [Five Easy Pieces, Shop Around the Corner, The, Chicken Run, Philadelphia, Treasure of the Sierra Madre, The, Alien, Excalibur, Roman Holiday, Day the Earth Stood Still, The, Brazil, Godfather: Part II, The, Being John Malkovich, When Harry Met Sally..., After Life, L.A. Confidential, My Left Foot, Fanny and Alexander, Serpico, Twelve Monkeys, Nashville, 12 Angry Men, Take the Money and Run, Cool Hand Luke, Close Encounters of the Third Kind, Monty Python and the Holy Grail, Year of Living Dangerously, Ice Storm, The, Key Largo, Young Frankenstein, Trainspotting, Lone Star, Diva, City of Lost Children, The, Blue Velvet, Red Rock West, Notorious, Fugitive, The, Invasion of the Body Snatchers, Election, Graduate, The, Reservoir Dogs, Sixth Sense, The, Midnight Cowboy, Blade Runner, Fisher King, The, GoodFellas, Run Lola Run (Lola rennt), Dog Day Afternoon, Body Heat, Fearless, No Way Out, Dead Man Walking, High Noon, Repo Man, Spanish Prisoner, The, Star Wars: Episode IV - A New Hope, Raging Bull, Strictly Ballroom, Women on the Verge of a Nervous Breakdown, Breaking Away, Rebel Without a Cause, Raise the Red Lantern, Paris, Texas, 2001: A Space Odyssey, Bridge on the River Kwai, The, Full Metal Jacket, Groundhog Day, Central Station (Central do Brasil), Mona Lisa, Dr. Strangelove or: How I Learned to Stop Worrying and Love the Bomb, Tender Mercies, Once Were Warriors, Go, Full Monty, The, Simple Plan, A, This Is Spinal Tap, Taxi Driver, Mildred Pierce, Annie Hall, Apocalypse Now, E.T. the Extra-Terrestrial, To Live (Huozhe), Third Man, The, Risky Business, History of the World: Part I, Farewell My Concubine, Grifters, The, Shawshank Redemption, The, Heathers, Babe: Pig in the City, Blood Simple, Crying Game, The, Splash, Streetcar Named Desire, A, Last Emperor, The, My Life as a Dog (Mitt liv som hund), Frankenstein, Rear Window, Short Cuts, Blazing Saddles, Saving Private Ryan, Chinatown, Burnt By the Sun (Utomlyonnye solntsem), Last Temptation of Christ, The, Ladybird Ladybird, Godfather, The]. Sort this list using my preferences and suggest me only the first 10 (In this list the order of the films is random, In this list the order of the films does not represent any preference) : [Reservoir Dogs, Sid and Nancy, Gods Must Be Crazy, The, Last Emperor, The, Rocky IV, Day the Earth Stood Still, The, Spanish Prisoner, The, Animal House, Out of Sight, Roman Holiday, Quiz Show, When Harry Met Sally..., Friday the 13th, Third Man, The, Being John Malkovich, Rebel Without a Cause, Splash, Back to the Future, Grifters, The, King Kong, Trainspotting, Philadelphia, E.T. the Extra-Terrestrial, Police Academy, Sixth Sense, The, Rocky III, Chicken Run, Die Hard, Fanny and Alexander, Taxi Driver, After Life, Fly II, The, Star Trek IV: The Voyage Home, Right Stuff, The, Raging Bull, Breaking Away, Dog Day Afternoon, Batman, Body Heat, Terminator, The, Dead Man Walking, Amadeus, My Life as a Dog (Mitt liv som hund), History of the World: Part I, Young Frankenstein, Tender Mercies, Blazing Saddles, Conan the Barbarian, Star Wars: Episode IV - A New Hope, Last Temptation of Christ, The, Alien, Monty Python and the Holy Grail, Harry and the Hendersons, Fisher King, The, Central Station (Central do Brasil), Raising Arizona, Friday the 13th Part 2, Killing Fields, The, High Noon, Repo Man, Shakespeare in Love, Ran, Crying Game, The, American Werewolf in London, An, Cocoon: The Return, Ghostbusters II, Burnt By the Sun (Utomlyonnye solntsem), Babe: Pig in the City, Ladybird Ladybird, Star Trek V: The Final Frontier, Twelve Monkeys, Waiting for Guffman, Indiana Jones and the Last Crusade, Blade Runner, Year of Living Dangerously, Raise the Red Lantern, Fly, The, Godfather, The, Lone Star, Superman II, Glory, Five Easy Pieces, To Live (Huozhe), Once Were Warriors, Fiendish Plot of Dr. Fu Manchu, The, Moonstruck, Mission, The, Cool Hand Luke, Nashville, Saving Private Ryan, Short Cuts, Radio Days, Close Encounters of the Third Kind, Dr. Strangelove or: How I Learned to Stop Worrying and Love the Bomb, Raiders of the Lost Ark, Star Wars: Episode V - The Empire Strikes Back, Take the Money and Run, Good Mother, The, City of Lost Children, The, Belle de jour, Leaving Las Vegas, Invasion of the Body Snatchers, Diva, Shawshank Redemption, The, Do the Right Thing, Fish Called Wanda, A, On Golden Pond, Caddyshack, 12 Angry Men, Clan of the Cave Bear, The, No Way Out, Desperately Seeking Susan, Women on the Verge of a Nervous Breakdown, Godfather: Part II, The, Frankenstein, Ed Wood, Midnight Cowboy, Mildred Pierce, Bridge on the River Kwai, The, Mona Lisa, Blue Velvet, L.A. Confidential, 2001: A Space Odyssey, Run Lola Run (Lola rennt), Simple Plan, A, Red Rock West, Rear Window, To Die For, Graduate, The, Arthur, Heavenly Creatures, Annie Hall, Ruthless People, My Left Foot, Say Anything..., Gone with the Wind, Election, Excalibur, Blood Simple, Shop Around the Corner, The, Apocalypse Now, Ghostbusters,

Four Weddings and a Funeral, Brazil, Gandhi, Robocop, Aliens, Streetcar Named Desire, A, Cocoon, Strictly Ballroom, Farewell My Concubine, Fearless, Go, Full Monty, The, Chinatown, Star Wars: Episode VI - Return of the Jedi, Notorious, Paris, Texas, Treasure of the Sierra Madre, The, Heathers, Sense and Sensibility, Gremlins, Risky Business, Serpico, Good Will Hunting, Dead Poets Society, Maurice, Ice Storm, The, Crimson Tide, Key Largo, Full Metal Jacket, Rocky, Groundhog Day, Fugitive, The, GoodFellas, This Is Spinal Tap].

Assistant:

Sure, I can help you with that! Based on your preferences, here are the first 10 movies from the list:

1. Reservoir Dogs (1992)
2. Sid and Nancy (1986)
3. Gods Must Be Crazy (1990)
4. Last Emperor, The (1987)
5. Rocky IV (1985)
6. Day the Earth Stood Still, The (1951)
7. Spanish Prisoner, The (1997)
8. Animal House (1978)
9. Out of Sight (1995)
10. Rebel Without a Cause (1955)

These movies are a mix of genres, including drama, comedy, action, horror, and more. I hope you enjoy watching them! Let me know if you need any further assistance.

Considerations

The changes made to the prompt syntax have brought excellent results, allowing the model to respond in the desired way, effectively sorting the list given in input.

Third approach

In the third approach we used 4 test:

1. Test with genre using the system tag
2. Test with genre without using the system tag
3. Test with movies using the system tag
4. Test with movies without using the system tag

In each test we used the following syntax for the prompt:

- Write only the name and the year of the movies.
- Write a single list of movies that comprehends every genres in my preferences.

The user number 5467 has been used to perform this test.

Test with genre using the system tag

System:

Write only the name and the year of the movies. Write a single list of movies that comprehends every genres in my preferences.

User:

These are my favourite film genres: [Drama, Comedy].Sort this list using my preferences and suggest me only the first 10(In this list the order of the films is random,In this list the order of the films does not represent any preference) : [Scrooged, Spanish Prisoner, The, Garbage Pail Kids Movie, The, Fisher King, The, Godfather, The, Man on the Moon, American Tail: Fievel Goes West, An, Addams Family Values, Honey, I Shrunk the Kids, Evil Dead II (Dead By Dawn), Little Mermaid, The, Mary Reilly, City of Lost Children, The, Forget Paris, First Wives Club, The, Other Sister, The, Rescuers, The, Dances with Wolves, In the Company of Men, Muppet Christmas Carol, The, Indian in the Cupboard, The, Parenthood, Gone with the Wind, Real Blonde, The, Some Kind of Wonderful, Road to Wellville, The, Deconstructing Harry, When Harry Met Sally..., Bird on a Wire, L.A. Story, Flashdance, Psycho, Corrina, Corrina, GoodFellas, Schizopolis, Private School, Arsenic and Old Lace, Wag the Dog, Sling Blade, Moonlight and Valentino, Purple Rose of Cairo, The, Stargate, Indiana Jones and the Temple of Doom, Firm, The, Swingers,

Teenage Mutant Ninja Turtles, Bogus, Little Rascals, The, I Still Know What You Did Last Summer, Courage Under Fire, Trading Places, Varsity Blues, Jumanji, Rushmore, Welcome to the Dollhouse, Basketball Diaries, The, Strange Days, Milk Money, Rocky, All Dogs Go to Heaven, Game, The, Circle of Friends, Carrie, Big Lebowski, The, Before and After, Ghost, Hot Shots! Part Deux, Mighty Aphrodite, French Kiss, Shakespeare in Love, Amistad, Airplane II: The Sequel, Crow, The, Holy Smoke, Back to the Future, Dumbo, Mummy, The, Basquiat, Money Pit, The, King and I, The, League of Their Own, A, Happy Gilmore, Last Days of Disco, The, Drugstore Cowboy, Toy Story 2, First Knight, Clockwatchers, L.A. Confidential, Grosse Pointe Blank, Fight Club, Clan of the Cave Bear, The, Peggy Sue Got Married, Places in the Heart, Frighteners, The, Something to Talk About, Mod Squad, The, Born Yesterday, Muppets From Space, Austin Powers: International Man of Mystery, Kicking and Screaming, Stealing Home, Playing by Heart, Police Academy, Ace Ventura: Pet Detective, Bed of Roses, Scent of a Woman, Friday, Hudsucker Proxy, The, Wedding Singer, The, What Dreams May Come, Homeward Bound: The Incredible Journey, Sixteen Candles, Billy Madison, Dave, James and the Giant Peach, Few Good Men, A, NeverEnding Story III, The, Ace Ventura: When Nature Calls, Next Karate Kid, The, Reservoir Dogs, Barefoot in the Park, Unstrung Heroes, Newton Boys, The, Cure, The, Sleepless in Seattle, Breakfast Club, The, Clue, Terminator 2: Judgment Day, Soapdish, Howard the Duck, Risky Business, Return to Oz, Everyone Says I Love You, Newsies, Romeo and Juliet, Brokedown Palace, Harry and the Hendersons, Cider House Rules, The, Patch Adams, Streetcar Named Desire, A, Citizen Ruth, Restoration, Excess Baggage, Batman Forever, Jaws, From Dusk Till Dawn, Ghosts of Mississippi, Full Monty, The, Heathers, Hairspray, Groundhog Day, Only You, Boys on the Side, Kids, Sleeping Beauty, Searching for Bobby Fischer, Annie Hall, Batman Returns, Robin Hood, Airplane!, Alien Nation, Cable Guy, The, Grease 2, Good Will Hunting, Outbreak, Lady and the Tramp, Children of the Revolution, Graduate, The, Pushing Tin, Junior, Stand by Me, Tron, Jean de Florette, Much Ado About Nothing, Pretty in Pink, Philadelphia, Bodyguard, The, Die Hard, Lock, Stock & Two Smoking Barrels, Mixed Nuts, Parent Trap, The, Heavenly Creatures, Hope Floats, Velvet Goldmine, Light of Day, High Fidelity, Mars Attacks!, Henry V, Godfather: Part III, The, Drop Dead Fred, Journey of Natty Gann, The, Flirting With Disaster, Friday the 13th, Fletch Lives, Family Thing, A, Dogma, Soldier, Notting Hill, Losing Isaiah, Run Lola Run (Lola rennt), Simple Plan, A, Scream 2, Crimes and Misdemeanors, Green Mile, The, Flatliners, Armageddon, Another Stakeout, Kalifornia, Before Sunrise, Othello, Good Morning, Vietnam, Son in Law, Craft, The, Big Chill, The, Goonies, The, Glory, Never Been Kissed, Hook, To Kill a Mockingbird, Limey, The, Clay Pigeons, Powder, Trust, Perfect World, A, Shanghai Noon, Rocky III, To Die For, Baby-Sitters Club, The, Apple Dumpling Gang, The, Titus, Mr. Mom, Toys, Hamlet, Rocky V, Amadeus, Election, Adventures in Babysitting, Aladdin, Eyes Wide Shut, Twister, Rocky IV, Touch of Evil, Great Expectations, Pocahontas, Kazaam, Austin Powers: The Spy Who Shagged Me, Living in Oblivion, Love Affair, Dick, Citizen Kane, My Science Project, Ruthless People, Casper, Clear and Present Danger, Dirty Dancing, Straight Story, The, Peter Pan, Liberty Heights, When a Man Loves a Woman, One True Thing, Mallrats, Gypsy, Grace of My Heart, Total Recall, 101 Dalmatians, Mrs. Winterbourne, Bear, The, Bye Bye, Love, Fox and the Hound, The, Truman Show, The, Terms of Endearment, Summer of Sam, Funny Farm, Little Women, This Is Spinal Tap, Bedknobs and Broomsticks, Benji the Hunted, Henry Fool, Stand and Deliver, Sense and Sensibility, Babes in Toyland, Ref, The, Animal House, Santa Clause, The, Rear Window, Pump Up the Volume, Defending Your Life, Back to the Future Part III, Cinderella, Repossessed, To Gillian on Her 37th Birthday, Shining, The, Impostors, The, JFK, Dangerous Minds, Indochine, Nine Months, Robin Hood: Men in Tights, Twelve Monkeys, Fugitive, The, Forrest Gump, Starship Troopers, Little Voice, Mirror Has Two Faces, The, Big Night, Terminator, The, Superman, Joy Luck Club, The, Dying Young, Nutty Professor, The, Singles, Just Cause, As Good As It Gets, Flintstones, The, And the Band Played On, Three Kings, Adventures of Milo and Otis, The, Bulworth, Lake Placid, Children of the Corn, Myth of Fingerprints, The, Crooklyn, Polish Wedding, Waiting for Guffman, Flight of the Navigator, Field of Dreams, Saving Private Ryan, Secret Garden, The, Being John Malkovich, Lolita, Ordinary People, Bottle Rocket, Broken Arrow, Superman II, Close Encounters of the Third Kind, Manhattan Murder Mystery, Grand Canyon, Shawshank Redemption, The, Karate Kid, The, Super Mario Bros., American President, The, Watership Down, SLC Punk!, Legends of the Fall, Yellow Submarine, Office Space, Evening Star, The, Honeymoon in Vegas, Nick of Time, Rain Man, Tough Guys, Rainmaker, The, Bambi, Speed 2: Cruise Control, Sister Act, Albino Alligator, Willow, Mrs. Doubtfire, Beetlejuice, Goldfinger, Balto, Say Anything...].

Assistant:

Here are the first 10 movies from the list of your preferred genres:

1. Scrooged (Comedy, 1988)
2. The Spanish Prisoner (Drama, 1997)
3. The Garbage Pail Kids Movie (Comedy, 1987)
4. The Fisher King (Drama, 1991)
5. The Godfather (Drama, 1972)
6. The Man on the Moon (Drama, 1999)
7. American Tail: Fievel Goes West (Comedy, 1991)
8. The Addams Family Values (Comedy, 1993)
9. Honey, I Shrunk the Kids (Comedy, 1989)
10. Evil Dead II (Dead By Dawn) (Horror, 1987)

Test with genre without using the system tag

User:

Write only the name and the year of the movies. Write a single list of movies that comprehends every genres in my preferences. These are my favourite film genres: [Drama, Comedy]. Sort this list using my preferences and suggest me only the first 10 (In this list the order of the films is random, In this list the order of the films does not represent any preference) : [Mummy, The, Ghost, Purple Rose of Cairo, The, Heathers, Rocky III, Clay Pigeons, Alien Nation, Circle of Friends, Boys on the Side, Full Monty, The, Godfather: Part III, The, Good Will Hunting, Some Kind of Wonderful, Mr. Mom, Super Mario Bros., Animal House, Peggy Sue Got Married, Soapdish, Romeo and Juliet, Rain

Man, Corrina, Corrina, Being John Malkovich, This Is Spinal Tap, Streetcar Named Desire, A, Billy Madison, Friday the 13th, Back to the Future Part III, JFK, Forget Paris, Everyone Says I Love You, Superman, Drop Dead Fred, Crimes and Misdemeanors, Garbage Pail Kids Movie, The, Junior, Toy Story 2, Nutty Professor, The, Armageddon, Peter Pan, Happy Gilmore, Jumanji, Waiting for Guffman, Albino Alligator, Ghosts of Mississippi, Welcome to the Dollhouse, Stealing Home, Fisher King, The, Kids, And the Band Played On, Other Sister, The, Little Mermaid, The, Sling Blade, GoodFellas, Gone with the Wind, Godfather, The, Newsies, Holy Smoke, To Kill a Mockingbird, King and I, The, Children of the Corn, Polish Wedding, Places in the Heart, Watership Down, NeverEnding Story III, The, Robin Hood, From Dusk Till Dawn, Ace Ventura: When Nature Calls, Velvet Goldmine, Friday, Grease 2, Dogma, Shakespeare in Love, Mallrats, Back to the Future, City of Lost Children, The, French Kiss, Return to Oz, Airplane II: The Sequel, Children of the Revolution, Heavenly Creatures, Forrest Gump, Othello, Never Been Kissed, Summer of Sam, Batman Forever, Fletch Lives, Flirting With Disaster, Jean de Florette, Kalifornia, Bulworth, Great Expectations, Rocky V, Drugstore Cowboy, Bogus, Secret Garden, The, Election, Crow, The, Bambi, Howard the Duck, Deconstructing Harry, Son in Law, Road to Wellville, The, Karate Kid, The, What Dreams May Come, Light of Day, Searching for Bobby Fischer, Eyes Wide Shut, Speed 2: Cruise Control, Cure, The, Money Pit, The, Singles, Joy Luck Club, The, Willow, Funny Farm, Muppet Christmas Carol, The, Field of Dreams, Risky Business, I Still Know What You Did Last Summer, Rocky IV, Liberty Heights, Goonies, The, Twelve Monkeys, Nick of Time, Green Mile, The, One True Thing, Game, The, High Fidelity, Hamlet, To Gillian on Her 37th Birthday, Clear and Present Danger, Fox and the Hound, The, Bye Bye, Love, Mrs. Winterbourne, League of Their Own, A, Only You, Lake Placid, Perfect World, A, Rescuers, The, Ordinary People, Trading Places, Terms of Endearment, Rear Window, First Knight, Pushing Tin, Stargate, Good Morning, Vietnam, Legends of the Fall, To Die For, Scent of a Woman, Dying Young, Bird on a Wire, Say Anything..., Mars Attacks!, Mighty Aphrodite, Manhattan Murder Mystery, Total Recall, Three Kings, Little Rascals, The, Mary Reilly, Flight of the Navigator, Before Sunrise, Austin Powers: The Spy Who Shagged Me, Dumbo, Real Blonde, The, Tron, Kicking and Screaming, Shanghai Noon, American Tail: Fievel Goes West, An, Cider House Rules, The, Man on the Moon, Nine Months, Gypsy, Rocky, Adventures in Babysitting, Big Lebowski, The, As Good As It Gets, Adventures of Milo and Otis, The, Terminator 2: Judgment Day, Sleepless in Seattle, Goldfinger, Moonlight and Valentino, Clue, Teenage Mutant Ninja Turtles, Milk Money, Frighteners, The, Twister, Benji the Hunted, Pretty in Pink, Kazaam, Clan of the Cave Bear, The, When a Man Loves a Woman, Harry and the Hendersons, Saving Private Ryan, Rainmaker, The, Straight Story, The, Citizen Kane, Amistad, Wedding Singer, The, Philadelphia, Groundhog Day, Pump Up the Volume, Grace of My Heart, Homeward Bound: The Incredible Journey, Hope Floats, Broken Arrow, Sleeping Beauty, Henry V, Austin Powers: International Man of Mystery, Cinderella, Stand by Me, Mixed Nuts, In the Company of Men, Robin Hood: Men in Tights, Tough Guys, Pocahontas, Indochine, L.A. Confidential, Superman II, Playing by Heart, Notting Hill, Stand and Deliver, Hook, Powder, Losing Isaiah, Little Women, Mirror Has Two Faces, The, Flintstones, The, Before and After, Beetlejuice, Scream 2, Grand Canyon, Ruthless People, Next Karate Kid, The, Basquiat, Hudsucker Proxy, The, Defending Your Life, Citizen Ruth, Hairspray, Limey, The, Starship Troopers, Evil Dead II (Dead By Dawn), Office Space, Bedknobs and Broomsticks, Graduate, The, Little Voice, Psycho, Die Hard, Firm, The, Parent Trap, The, Honey, I Shrunk the Kids, Love Affair, Close Encounters of the Third Kind, Cable Guy, The, Crooklyn, Breakfast Club, The, James and the Giant Peach, Impostors, The, Much Ado About Nothing, Lolita, Mod Squad, The, Touch of Evil, Yellow Submarine, Bear, The, Clockwatchers, Excess Baggage, Trust, Apple Dumpling Gang, The, Brokedown Palace, L.A. Story, Sense and Sensibility, Wag the Dog, Bed of Roses, Myth of Fingerprints, The, Glory, Scrooged, Aladdin, Shawshank Redemption, The, Flashdance, Swingers, Dick, Casper, Mrs. Doubtfire, Lady and the Tramp, Restoration, Parenthood, SLC Punk!, Carrie, Henry Fool, Fight Club, Dave, Titus, Ace Ventura: Pet Detective, Dances with Wolves, Craft, The, Bodyguard, The, Soldier, Last Days of Disco, The, Outbreak, All Dogs Go to Heaven, First Wives Club, The, Patch Adams, Rushmore, Addams Family Values, Honeymoon in Vegas, Arsenic and Old Lace, Simple Plan, A, Born Yesterday, Dangerous Minds, Truman Show, The, Ref, The, Sixteen Candles, Lock, Stock & Two Smoking Barrels, Toys, Santa Clause, The, Indian in the Cupboard, The, Balto, Living in Oblivion, Muppets From Space, Sister Act, Annie Hall, Private School, Hot Shots! Part Deux, Varsity Blues, Repossessed, Just Cause, Grosse Pointe Blank, Another Stakeout, My Science Project, Police Academy, Bottle Rocket, Baby-Sitters Club, The, Fugitive, The, Terminator, The, Journey of Natty Gann, The, Indiana Jones and the Temple of Doom, 101 Dalmatians, Babes in Toyland, Big Chill, The, Shining, The, When Harry Met Sally..., Few Good Men, A, Reservoir Dogs, Schizopolis, American President, The, Basketball Diaries, The, Amadeus, Run Lola Run (Lola rennt), Family Thing, A, Something to Talk About, Evening Star, The, Newton Boys, The, Batman Returns, Barefoot in the Park, Courage Under Fire, Strange Days, Unstrung Heroes, Flatliners, Dirty Dancing, Spanish Prisoner, The, Airplane!, Big Night, Jaws].

Assistant:

Here are the first 10 movies from your list of preferences:

1. The Mummy (1999)
2. The Purple Rose of Cairo (1985)
3. Ghost (1990)
4. Alien Nation (1988)
5. Super Mario Bros. (1993)
6. Good Will Hunting (1997)
7. The Godfather: Part III (1990)
8. Being John Malkovich (1999)
9. This Is Spinal Tap (1984)
10. The Shawshank Redemption (1994)

These movies represent a diverse range of genres, including drama, comedy, action, adventure, and more. Enjoy!

Considerations

In this approach the model has crashed because the memory was not enough, the first two test are good. The number of movies in the list in input is 362.

Fourth approach

In the fourth approach we used 4 test:

1. Test with genre using the system tag
2. Test with genre without using the system tag
3. Test with movies using the system tag
4. Test with movies without using the system tag

In each test we used the following syntax for the prompt:

- Write only the name and the year of the movies.
- Write a single list of movies that comprehends every genres in my preferences.

The user number 3109 has been used to perform this test.

Test with genre using the system tag

System:

Write only the name and the year of the movies. Write a single list of movies that comprehends every genres in my preferences.

User:

These are my favourite film genres: [Comedy, Drama].Sort this list using my preferences and suggest me only the first 10(In this list the order of the films is random,In this list the order of the films does not represent any preference) : [My Cousin Vinny, American President, The, Dead Man Walking, Dirty Dancing, Underground, Citizen Kane, Annie Hall, Hurricane, The, Coneheads, In the Line of Fire, Fabulous Baker Boys, The, Antz, Armageddon, Crying Game, The, Beauty and the Beast, Roman Holiday, Green Mile, The, Apocalypse Now, As Good As It Gets, Graduate, The, Gone with the Wind, Wedding Singer, The, Lolita, Dave, Cider House Rules, The, Get Shorty, My Fellow Americans, Piano, The, GoodFellas, Edward Scissorhands, Bone Collector, The, Back to the Future Part II, Airplane!, Ed Wood, Once Were Warriors, Chasing Amy, Client, The, Godfather, The, Barefoot in the Park, Sense and Sensibility, Ace Ventura: Pet Detective, When Harry Met Sally..., Auntie Mame, Sling Blade, Addicted to Love, Shawshank Redemption, The, Braveheart, Naked Gun: From the Files of Police Squad!, The, Bananas, Fight Club, Raise the Red Lantern, Star Wars: Episode V - The Empire Strikes Back, Dances with Wolves, My Left Foot, Brown-ing Version, The, After Life, Bob Roberts, L.A. Story, Forrest Gump, Bull Durham, Babe: Pig in the City, Arlington Road, Austin Powers: International Man of Mystery, Dumb & Dumber, Sleepless in Seattle, Back to the Future, Cape Fear, Four Weddings and a Funeral, Circle of Friends, Best Laid Plans, Dead Again, EDtv, English Patient, The, Not-ting Hill, Blade Runner, Ice Storm, The, Big Chill, The, Fear and Loathing in Las Vegas, Eyes Wide Shut, American History X, Fugitive, The, Election, Strictly Ballroom, My Dog Skip, Casablanca, African Queen, The, Deep End of the Ocean, The, Elizabeth, Persuasion, Groundhog Day, Close Shave, A, Casper, Basquiat, Analyze This, Titanic, Cabin Boy, Being There, Duck Soup, Amadeus, Avengers, The, Apostle, The, L.A. Confidential, Reservoir Dogs, Cable Guy, The, Run Lola Run (Lola rennt), Next Stop, Wonderland, Anaconda, Shakespeare in Love, Brassed Off, Good Will Hunting, Being John Malkovich, Sliding Doors, Beetlejuice, Patriot Games, Simple Plan, A, Meet the Parents].

Assistant:

Sure, here are the first 10 movies from your list that belong to your preferred genres of Comedy and Drama: 1. My Cousin Vinny (Comedy, 1992)
 2. The American President (Comedy, 1995)
 3. Dead Man Walking (Drama, 1995)
 4. Dirty Dancing (Comedy, 1987)
 5. The Green Mile (Drama, 1999)
 6. The Fabulous Baker Boys (Comedy, 1989)
 7. Antz (Comedy, 1998)
 8. Armageddon (Action, 1998)
 9. The Crying Game (Drama, 1992)
 10. GoodFellas (Crime, 1990)

Please note that some of the movies on the list may belong to multiple genres, but I have listed them according to your preferences.

Test with genre without using the system tag

User:

Write only the name and the year of the movies. Write a single list of movies that comprehends every genres in my preferences. These are my favourite film genres: [Drama, Comedy]. Sort this list using my preferences and suggest me only the first 10 (In this list the order of the films is random, In this list the order of the films does not represent any preference): [Dirty Dancing, Duck Soup, Notting Hill, Piano, The, Reservoir Dogs, Client, The, L.A. Story, Ice Storm, The, Annie Hall, Braveheart, Dave, Anaconda, Addicted to Love, Cabin Boy, Once Were Warriors, American History X, Sense and Sensibility, After Life, Patriot Games, English Patient, The, Dances with Wolves, L.A. Confidential, Beetlejuice, Best Laid Plans, Cable Guy, The, Auntie Mame, Deep End of the Ocean, The, Brassed Off, Fugitive, The, Bull Durham, Amadeus, Antz, Avengers, The, Bananas, American President, The, GoodFellas, African Queen, The, Naked Gun: From the Files of Police Squad!, The, Simple Plan, A, Sleepless in Seattle, Ed Wood, Casablanca, My Dog Skip, Run Lola Run (Lola rennt), Airplane!, Apocalypse Now, Fight Club, Godfather, The, Close Shave, A, Coneheads, Raise the Red Lantern, Casper, Beauty and the Beast, Basquiat, Forrest Gump, Strictly Ballroom, Next Stop, Wonderland, Persuasion, When Harry Met Sally..., Green Mile, The, Get Shorty, Gone with the Wind, Cider House Rules, The, EDtv, Lolita, Edward Scissorhands, Barefoot in the Park, Fear and Loathing in Las Vegas, Sling Blade, Babe: Pig in the City, Big Chill, The, My Fellow Americans, Underground, My Cousin Vinny, Back to the Future Part II, Fabulous Baker Boys, The, In the Line of Fire, Browning Version, The, Being There, Meet the Parents, Analyze This, Roman Holiday, Shawshank Redemption, The, Back to the Future, Cape Fear, Hurricane, The, Sliding Doors, Austin Powers: International Man of Mystery, Eyes Wide Shut, Star Wars: Episode V - The Empire Strikes Back, Citizen Kane, Four Weddings and a Funeral, Elizabeth, Circle of Friends, Dead Man Walking, Dumb & Dumber, Bone Collector, The, Crying Game, The, Bob Roberts, As Good As It Gets, Being John Malkovich, Shakespeare in Love, Arlington Road, Armageddon, Dead Again, Chasing Amy, Graduate, The, Apostle, The, My Left Foot, Good Will Hunting, Groundhog Day, Election, Titanic, Wedding Singer, The, Blade Runner, Ace Ventura: Pet Detective].

Assistant:

Sure! Here are the first 10 movies from your list that match your preferred genres of Drama and Comedy:

1. Dirty Dancing (Comedy, Drama)
2. Notting Hill (Comedy, Romance)
3. Piano (Drama)
4. Reservoir Dogs (Crime, Drama)
5. Client (Comedy, Drama)
6. L.A. Story (Comedy)
7. Ice Storm (Drama)
8. Annie Hall (Comedy, Romance)
9. Braveheart (Drama, History)
10. Dave (Comedy, Drama)

I hope this helps! Let me know if you need any more assistance.

Test with movies using the system tag

System:

Write only the name and the year of the movies. Write a single list of movies that comprehends every genres in my preferences.

User:

These are my favourite film: [Basquiat, Roman Holiday, Being John Malkovich, Sling Blade, Sense and Sensibility, Bob Roberts, Election, African Queen, The, After Life, Casablanca, Persuasion, Dead Man Walking, Elizabeth, Notting Hill, Shakespeare in Love, Run Lola Run (Lola rennt), Analyze This, Graduate, The, Dirty Dancing, Underground, Strictly Ballroom, Bull Durham, Blade Runner, Citizen Kane, Barefoot in the Park, Sliding Doors, Ace Ventura: Pet Detective, Back to the Future, Piano, The, Get Shorty, Airplane!, GoodFellas, Gone with the Wind, L.A. Story, Crying Game, The, Annie Hall, Bone Collector, The, Raise the Red Lantern, Bananas, Close Shave, A, My Dog Skip, Braveheart, American President, The, Browning Version, The, Naked Gun: From the Files of Police Squad!, The, Godfather, The, Once Were Warriors, Ice Storm, The, As Good As It Gets, L.A. Confidential, Big Chill, The, My Cousin Vinny, Good Will Hunting, My Left Foot, Cider House Rules, The]. Sort this list using my preferences and suggest me only the first 10 (In this list the order of the films is random, In this list the order of the films does not represent any preference): [L.A. Story, Groundhog Day, Notting Hill, Client, The, Fugitive, The, Edward Scissorhands, Fight Club, Sleepless in Seattle, When Harry Met Sally..., Crying Game, The, Raise the Red Lantern, My Fellow Americans, Dirty Dancing, Barefoot in the Park, Dumb & Dumber, Best Laid Plans, Back to the Future, Run Lola Run (Lola rennt), Casper, Patriot Games, Gone with the Wind, Airplane!, Basquiat, Coneheads, Godfather, The, Cape Fear, In the Line of Fire, Piano, The, Addicted to Love, Anaconda, Good Will Hunting, Graduate, The, Green Mile, The, Lolita, Once Were Warriors, My Cousin Vinny, Avengers, The, Arlington Road, Cabin Boy, Analyze This, My Dog Skip, GoodFellas, Next Stop, Wonderland, Bananas, Dances with Wolves, Circle of Friends, Ice Storm, The, Annie Hall, Close Shave, A, Citizen Kane, Strictly Ballroom, American President, The, Bull Durham, Forrest Gump, Roman Holiday, Babe: Pig in the City, Ed Wood, Get Shorty, Elizabeth, Apocalypse Now, Dave, Being There, Armageddon, Underground, Bone Collector, The, Sling Blade, After Life, Being John Malkovich, Sense and Sensibility, EDtv, Antz, Austin Powers: International Man of Mystery, Amadeus, Cable Guy, The, Reservoir Dogs, Sliding Doors, Fear and Loathing in Las Vegas, Persuasion, Hurricane, The, Star Wars: Episode V - The Empire Strikes Back, Dead Again, African Queen, The, Fabulous Baker Boys, The, L.A. Confidential, Meet the Parents, Braveheart, As Good As It Gets, Brassed Off, Browning Version, The, Casablanca, Dead Man Walking, Shakespeare in Love, Beetlejuice, Deep End of the Ocean, The, Bob Roberts, Wedding Singer, The, Eyes Wide Shut, Blade Runner, Beauty and the Beast, Big Chill, The, Duck Soup, Titanic, Cider House Rules, The, Naked Gun: From the Files of

Police Squad!, The, Simple Plan, A, American History X, Back to the Future Part II, Election, My Left Foot, Ace Ventura: Pet Detective, Auntie Mame, Chasing Amy, Shawshank Redemption, The, Four Weddings and a Funeral, English Patient, The, Apostle, The].

Assistant:

Sure, here are the first 10 movies from your list that match your preferences:

1. Groundhog Day (1993) - Comedy, Drama
2. Notting Hill (1999) - Romance, Comedy
3. Client (1994) - Thriller, Drama
4. The Fugitive (1993) - Thriller, Action
5. Edward Scissorhands (1990) - Fantasy, Drama
6. Fight Club (1999) - Thriller, Drama
7. Sleepless in Seattle (1993) - Romance, Comedy
8. When Harry Met Sally... (1989) - Romance, Comedy
9. Crying Game (1992) - Drama, Thriller
10. My Fellow Americans (1996) - Comedy, Drama

These movies cover a variety of genres that you prefer, including comedy, drama, romance, thriller, and action.

Test with movies without using the system tag

User:

Write only the name and the year of the movies. Write a single list of movies that comprehends every genres in my preferences. These are my favourite film: [Sling Blade, Dirty Dancing, Back to the Future, Blade Runner, Analyze This, Annie Hall, Ice Storm, The, Crying Game, The, My Cousin Vinny, Once Were Warriors, Raise the Red Lantern, Notting Hill, After Life, Good Will Hunting, Persuasion, Sliding Doors, Graduate, The, Underground, My Left Foot, Bull Durham, Elizabeth, GoodFellas, Bananas, Naked Gun: From the Files of Police Squad!, The, Shakespeare in Love, Casablanca, Strictly Ballroom, African Queen, The, My Dog Skip, Bone Collector, The, As Good As It Gets, Ace Ventura: Pet Detective, Godfather, The, Close Shave, A, American President, The, Browning Version, The, Gone with the Wind, Braveheart, Cider House Rules, The, Run Lola Run (Lola rennt), Piano, The, Citizen Kane, Being John Malkovich, Get Shorty, Sense and Sensibility, Airplane!, Barefoot in the Park, Election, Roman Holiday, Dead Man Walking, Big Chill, The, Bob Roberts, L.A. Story, L.A. Confidential, Basquiat]. Sort this list using my preferences and suggest me only the first 10 (In this list the order of the films is random, In this list the order of the films does not represent any preference) : [Piano, The, My Fellow Americans, GoodFellas, Underground, Bob Roberts, Eyes Wide Shut, Good Will Hunting, Ed Wood, Forrest Gump, Big Chill, The, As Good As It Gets, Strictly Ballroom, Deep End of the Ocean, The, Patriot Games, L.A. Confidential, Ace Ventura: Pet Detective, Dumb & Dumber, Braveheart, Brassed Off, Addicted to Love, Duck Soup, Cape Fear, Babe: Pig in the City, American History X, Close Shave, A, Reservoir Dogs, Client, The, Sleepless in Seattle, Raise the Red Lantern, Anaconda, Dave, Armageddon, Antz, Roman Holiday, Apocalypse Now, Dances with Wolves, Cable Guy, The, Shakespeare in Love, Browning Version, The, Blade Runner, When Harry Met Sally..., Annie Hall, Bull Durham, Chasing Amy, Barefoot in the Park, Beauty and the Beast, Casablanca, Persuasion, Basquiat, Fugitive, The, Election, Elizabeth, Citizen Kane, L.A. Story, Bone Collector, The, Dead Again, Green Mile, The, Analyze This, Shawshank Redemption, The, Beetlejuice, Edward Scissorhands, Cider House Rules, The, Once Were Warriors, Arlington Road, Graduate, The, Meet the Parents, Wedding Singer, The, Dirty Dancing, Dead Man Walking, Godfather, The, Titanic, Apostle, The, Back to the Future, Sliding Doors, Best Laid Plans, Auntie Mame, Notting Hill, Circle of Friends, Sense and Sensibility, Back to the Future Part II, Next Stop, Wonderland, My Cousin Vinny, American President, The, Hurricane, The, Casper, Austin Powers: International Man of Mystery, Sling Blade, Amadeus, English Patient, The, Lolita, Crying Game, The, Ice Storm, The, African Queen, The, After Life, Being John Malkovich, Run Lola Run (Lola rennt), EDtv, Airplane!, Naked Gun: From the Files of Police Squad!, The, Cabin Boy, Star Wars: Episode V - The Empire Strikes Back, Coneheads, Simple Plan, A, Fight Club, Bananas, In the Line of Fire, Fear and Loathing in Las Vegas, Gone with the Wind, Avengers, The, My Dog Skip, My Left Foot, Groundhog Day, Being There, Fabulous Baker Boys, The, Get Shorty, Four Weddings and a Funeral].

Assistant:

Sure, I can help you with that! Based on your preferences, here are the first 10 movies from your list:

1. Piano (1993)
2. My Fellow Americans (1985)
3. GoodFellas (1990)
4. Underground (1995)
5. Bob Roberts (1992)
6. Eyes Wide Shut (1999)
7. Good Will Hunting (1997)
8. Ed Wood (1994)
9. Forrest Gump (1994)
10. Big Chill (1983)

These movies represent a mix of genres that you enjoy, including drama, comedy, crime, and romance.

Considerations

By changing the user, the model maintained the expected behavior.

Fifth approach

In the fifth approach we used 4 test:

1. Test with genre using the system tag
2. Test with genre without using the system tag
3. Test with movies using the system tag
4. Test with movies without using the system tag

In each test we used the following syntax for the prompt:

- Write only the name and the year of the movies.
- Write a single list of movies that comprehends every genres in my preferences.

The user number 1320 has been used to perform this test.

Test with genre using the system tag

System:

Write only the name and the year of the movies. Write a single list of movies that comprehends every genres in my preferences.

User:

These are my favourite film genres: [Drama, Thriller].Sort this list using my preferences and suggest me only the first 10(In this list the order of the films is random,In this list the order of the films does not represent any preference) : [Civil Action, A, Moonstruck, Out to Sea, Big Daddy, Twelve Monkeys, Fish Called Wanda, A, Fisher King, The, Arlington Road, Godfather: Part II, The, Little Voice, Shawshank Redemption, The, Dead Calm, Being John Malkovich, Godfather: Part III, The, Gladiator, Sixth Sense, The, Thirteenth Floor, The, Mission to Mars, Pacific Heights, Summer of Sam, Godfather, The, Reservoir Dogs, Inspector Gadget, Dark City, Talented Mr. Ripley, The, Trading Places, Desperately Seeking Susan, Blood Simple, Abyss, The, Star Wars: Episode IV - A New Hope, Thomas Crown Affair, The, Rushmore, Nurse Betty, Aliens, Bone Collector, The].

Assistant:

Sure, here are the first 10 movies from your list that match your preferred genres:

1. The Shawshank Redemption (Drama, 1994)
2. The Godfather: Part II (Drama, 1974)
3. The Silence of the Lambs (Thriller, 1991)
4. The Sixth Sense (Thriller, 1999)
5. The Usual Suspects (Thriller, 1995)
6. The Prestige (Drama, 2006)
7. The Departed (Thriller, 2006)
8. The Dark Knight (Thriller, 2008)
9. Inception (Thriller, 2010)
10. Interstellar (Science Fiction, 2014)

Test with genre without using the system tag

User:

Write only the name and the year of the movies. Write a single list of movies that comprehends every genres in my preferences.These are my favourite film genres: [Thriller, Drama]. Sort this list using my preferences and suggest me only the first 10(In this list the order of the films is random,In this list the order of the films does not represent any preference) : [Godfather: Part II, The, Fisher King, The, Dead Calm, Thirteenth Floor, The, Summer of Sam, Trading Places, Godfather: Part III, The, Nurse Betty, Rushmore, Abyss, The, Thomas Crown Affair, The, Being John Malkovich, Arlington Road, Sixth Sense, The, Dark City, Moonstruck, Godfather, The, Blood Simple, Pacific Heights, Civil Action, A, Gladiator, Little Voice, Desperately Seeking Susan, Inspector Gadget, Out to Sea, Star Wars: Episode IV - A New Hope, Aliens, Big Daddy, Fish Called Wanda, A, Mission to Mars, Reservoir Dogs, Twelve Monkeys, Shawshank Redemption, The, Talented Mr. Ripley, The, Bone Collector, The].

Assistant:

Sure! Here are the first 10 movies from your list that fit your preferred genres of Thriller and Drama:

1. The Godfather: Part II (1977)
2. The Fisher King (1991)
3. Dead Calm (1989)
4. The Thirteenth Floor (1999)

5. Summer of Sam (1999)
6. Trading Places (1983)
7. The Godfather: Part III (1990)
8. Nurse Betty (2000)
9. Rushmore (1998)
10. Being John Malkovich (1999)

I hope you enjoy these movies! Let me know if you need any more recommendations.

Test with movies using the system tag

System:

Write only the name and the year of the movies. Write a single list of movies that comprehends every genres in my preferences.

User:

These are my favourite film: [Shawshank Redemption, The, Reservoir Dogs, Dead Calm, Twelve Monkeys, Dark City, Nurse Betty, Fish Called Wanda, A, Godfather, The, Sixth Sense, The, Summer of Sam, Godfather: Part II, The, Gladiator, Abyss, The, Civil Action, A, Star Wars: Episode IV - A New Hope, Thirteenth Floor, The, Desperately Seeking Susan, Fisher King, The, Little Voice, Aliens, Moonstruck, Blood Simple, Rushmore, Being John Malkovich, Pacific Heights]. Sort this list using my preferences and suggest me only the first 10 (In this list the order of the films is random, In this list the order of the films does not represent any preference) : [Summer of Sam, Godfather: Part III, The, Fish Called Wanda, A, Bone Collector, The, Nurse Betty, Mission to Mars, Sixth Sense, The, Civil Action, A, Star Wars: Episode IV - A New Hope, Shawshank Redemption, The, Dark City, Gladiator, Talented Mr. Ripley, The, Reservoir Dogs, Thomas Crown Affair, The, Inspector Gadget, Trading Places, Godfather: Part II, The, Out to Sea, Thirteenth Floor, The, Twelve Monkeys, Fisher King, The, Aliens, Abyss, The, Rushmore, Little Voice, Being John Malkovich, Blood Simple, Godfather, The, Moonstruck, Desperately Seeking Susan, Arlington Road, Big Daddy, Dead Calm, Pacific Heights].

Assistant:

Sure, here are the top 10 movies from your list, sorted by genre:

1. Action: Gladiator (1999)
2. Adventure: Star Wars: Episode IV - A New Hope (1977)
3. Comedy: Desperately Seeking Susan (1985)
4. Crime: Reservoir Dogs (1992)
5. Drama: Shawshank Redemption (1994)
6. Horror: The Sixth Sense (1999)
7. Mystery: The Usual Suspects (1995)
8. Romance: Moonstruck (1987)
9. Sci-Fi: The Matrix (1999)
10. Thriller: The Silence of the Lambs (1991)

Note: Some movies on the list may belong to multiple genres, but I have listed them under the primary genre they are most associated with.

Test with movies without using the system tag

User:

Write only the name and the year of the movies. Write a single list of movies that comprehends every genres in my preferences. These are my favourite film: [Nurse Betty, Gladiator, Being John Malkovich, Summer of Sam, Aliens, Sixth Sense, The, Rushmore, Pacific Heights, Godfather: Part II, The, Twelve Monkeys, Dead Calm, Thirteenth Floor, The, Civil Action, A, Star Wars: Episode IV - A New Hope, Dark City, Shawshank Redemption, The, Moonstruck, Blood Simple, Godfather, The, Fisher King, The, Fish Called Wanda, A, Reservoir Dogs, Desperately Seeking Susan, Abyss, The, Little Voice]. Sort this list using my preferences and suggest me only the first 10 (In this list the order of the films is random, In this list the order of the films does not represent any preference) : [Reservoir Dogs, Big Daddy, Mission to Mars, Nurse Betty, Little Voice, Moonstruck, Out to Sea, Bone Collector, The, Thirteenth Floor, The, Trading Places, Godfather: Part III, The, Dark City, Civil Action, A, Star Wars: Episode IV - A New Hope, Talented Mr. Ripley, The, Aliens, Fisher King, The, Abyss, The, Gladiator, Fish Called Wanda, A, Arlington Road, Blood Simple, Desperately Seeking Susan, Being John Malkovich, Twelve Monkeys, Summer of Sam, Thomas Crown Affair, The, Godfather, The, Dead Calm, Pacific Heights, Shawshank Redemption, The, Godfather: Part II, The, Rushmore, Inspector Gadget, Sixth Sense, The].

Assistant:

Sure, here are the first 10 movies from your list of favorite movies, sorted according to your preferences: 1. Reservoir Dogs (1992) 2. Big Daddy (1999) 3. Moonstruck (1987) 4. Little Voice (1998) 5. Out to Sea (1998) 6. Bone Collector (1999) 7. Thirteenth Floor (1999) 8. The Trading Places (1983) 9. Godfather: Part III (1990) 10. Dark City (1998)

I hope this helps! Let me know if you have any other questions.

Considerations

By changing the user, the model maintained the expected behavior.

Sixth approach

In the sixth approach we used 4 test:

1. Test with genre using the system tag
2. Test with genre without using the system tag
3. Test with movies using the system tag
4. Test with movies without using the system tag

In each test we used the following syntax for the prompt:

- Write only the name and the year of the movies.
- Write a single list of movies that comprehends every genres in my preferences.

The user number 2458 has been used to perform this test.

We have noticed that some movies have "," in the name so we have used ";" to divide items in the movie list

Test with genre using the system tag

System:

Write only the name and the year of the movies. Write a single list of movies that comprehends every genres in my preferences.

User:

These are my favourite film genres: [Comedy; Drama].Sort this list using my preferences and suggest me only the first 10(In this list the order of the films is random,In this list the order of the films does not represent any preference) : [Shakespeare in Love; Welcome to the Dollhouse; Rushmore; Apollo 13; Fisher King, The; Saving Private Ryan; Close Shave, A; Romeo and Juliet; Star Wars: Episode VI - Return of the Jedi; Hudsucker Proxy, The; Kundun; Leaving Las Vegas; Primal Fear; Apocalypse Now; Quiz Show; Amadeus; Old Yeller; Young Frankenstein; Apartment, The; Election; L.A. Story; Crying Game, The; Godfather: Part II, The; Stand by Me; I Shot Andy Warhol; Christmas Story, A; To Kill a Mockingbird; Blazing Saddles; Being There; Sense and Sensibility; Toy Story 2; Malcolm X; Trainspotting; Citizen Ruth; Three Kings; Ben-Hur; Modern Times; Dog Day Afternoon; Apostle, The; Ghostbusters; North by Northwest; Chasing Amy; My Life as a Dog (Mitt liv som hund); Shall We Dance?; Beetlejuice; Casablanca; Son in Law; Piano, The; Taxi Driver; Searching for Bobby Fischer; Do the Right Thing; Pleasantville; Strictly Ballroom; Fight Club; Fish Called Wanda, A; Hairspray; Matewan; Annie Hall; Citizen Kane; Bottle Rocket; Day the Earth Stood Still, The; Naked Gun: From the Files of Police Squad!, The; Raising Arizona; People vs. Larry Flynt, The; Waiting for Guffman; Being John Malkovich; Madness of King George, The; Repo Man; Spartacus; Boogie Nights; Army of Darkness; Thin Red Line, The; Donnie Brasco; Wrong Trousers, The; Chariots of Fire; Airplane!; Eraserhead; Buddy Holly Story, The; Mrs. Brown (Her Majesty, Mrs. Brown); Star Wars: Episode V - The Empire Strikes Back; JFK; Clerks].

Assistant:

Sure, here are the first 10 movies from your list that match your preferred genres of Comedy and Drama:

1. Shakespeare in Love (Comedy, Drama, Romance) - 1998
2. Welcome to the Dollhouse (Comedy, Drama) - 1995
3. Rushmore (Comedy, Drama) - 1998
4. Apollo 13 (Drama, Thriller) - 1995
5. Fisher King, The (Comedy, Drama) - 1991
6. Saving Private Ryan (Drama, War) - 1998
7. Close Shave, A (Comedy, Drama) - 1995
8. Romeo and Juliet (Drama, Romance) - 1968
9. Star Wars: Episode VI - Return of the Jedi (Science Fiction, Adventure) - 1983
10. Leaving Las Vegas (Drama, Romance) - 1995

Test with genre without using the system tag

User:

Write only the name and the year of the movies. Write a single list of movies that comprehends every genres in my preferences. These are my favourite film genres: [Comedy; Drama]. Sort this list using my preferences and suggest me only the first 10 (In this list the order of the films is random, In this list the order of the films does not represent any preference) : [Primal Fear; Spartacus; Buddy Holly Story, The; Rushmore; Day the Earth Stood Still, The; Kundun; Welcome to the Dollhouse; Citizen Kane; Clerks; Army of Darkness; Being John Malkovich; Strictly Ballroom; Ben-Hur; Star Wars: Episode V - The Empire Strikes Back; Fight Club; My Life as a Dog (Mitt liv som hund); People vs. Larry Flynt, The; Madness of King George, The; Modern Times; Christmas Story, A; Fish Called Wanda, A; L.A. Story; Pleasantville; Son in Law; Quiz Show; Annie Hall; Godfather: Part II, The; Malcolm X; Donnie Brasco; Blazing Saddles; JFK; Dog Day Afternoon; Eraserhead; Matewan; Piano, The; Romeo and Juliet; Leaving Las Vegas; Star Wars: Episode VI - Return of the Jedi; Apostle, The; Election; Sense and Sensibility; Naked Gun: From the Files of Police Squad!, The; Fisher King, The; Wrong Trousers, The; Ghostbusters; Boogie Nights; Hudson Proxy, The; Old Yeller; I Shot Andy Warhol; Waiting for Guffman; Mrs. Brown (Her Majesty, Mrs. Brown); Apocalypse Now; Hairspray; Casablanca; Trainspotting; Three Kings; Close Shave, A; Young Frankenstein; Airplane!; Apartment, The; Apollo 13; Do the Right Thing; Being There; Searching for Bobby Fischer; Saving Private Ryan; Shakespeare in Love; Stand by Me; Citizen Ruth; Bottle Rocket; North by Northwest; Toy Story 2; Shall We Dance?; Thin Red Line, The; Amadeus; Chasing Amy; Crying Game, The; Chariots of Fire; Raising Arizona; Taxi Driver; Beetlejuice; To Kill a Mockingbird; Repo Man].

Assistant:

Sure, here are the first 10 movies from your list that match your preferred genres of Comedy and Drama:

1. Primal Fear (1996) - Drama
2. Rushmore (1998) - Comedy
3. Being John Malkovich (1999) - Comedy
4. Strictly Ballroom (1992) - Comedy
5. Ben-Hur (1959) - Drama
6. Citizen Kane (1941) - Drama
7. Clerks (1994) - Comedy
8. Army of Darkness (1992) - Comedy
9. My Life as a Dog (Mitt liv som hund) (1985) - Drama
10. Pleasantville (1998) - Comedy

Please note that the order of the movies is random and does not represent any particular preference.

Test with movies using the system tag

System:

Write only the name and the year of the movies. Write a single list of movies that comprehends every genres in my preferences.

User:

These are my favourite film: [Day the Earth Stood Still, The; Star Wars: Episode V - The Empire Strikes Back; Saving Private Ryan; Spartacus; Christmas Story, A; Crying Game, The; Romeo and Juliet; Godfather: Part II, The; Amadeus; Piano, The; Fisher King, The; L.A. Story; Casablanca; Apartment, The; Malcolm X; Apostle, The; Hudson Proxy, The; Naked Gun: From the Files of Police Squad!, The; Taxi Driver; Toy Story 2; Wrong Trousers, The; Matewan; Boogie Nights; North by Northwest; Ben-Hur; Citizen Ruth; Apocalypse Now; Pleasantville; Repo Man; Star Wars: Episode VI - Return of the Jedi; Being There; Sense and Sensibility; Strictly Ballroom; Welcome to the Dollhouse; Do the Right Thing; Close Shave, A; Election; Quiz Show; Modern Times; Rushmore; Fight Club; Young Frankenstein; Chasing Amy; To Kill a Mockingbird; Raising Arizona; Thin Red Line, The; Leaving Las Vegas; Being John Malkovich; Annie Hall; Dog Day Afternoon; Shakespeare in Love; Three Kings; Citizen Kane]. Sort this list using my preferences and suggest me only the first 10 (In this list the order of the films is random, In this list the order of the films does not represent any preference) : [Romeo and Juliet; Waiting for Guffman; Eraserhead; Being There; Apocalypse Now; Casablanca; Bottle Rocket; Mrs. Brown (Her Majesty, Mrs. Brown); My Life as a Dog (Mitt liv som hund); Son in Law; I Shot Andy Warhol; Modern Times; Ben-Hur; Dog Day Afternoon; Day the Earth Stood Still, The; Being John Malkovich; Sense and Sensibility; Rushmore; Ghostbusters; Election; Godfather: Part II, The; Piano, The; Madness of King George, The; Airplane!; Kundun; People vs. Larry Flynt, The; Star Wars: Episode V - The Empire Strikes Back; Star Wars: Episode VI - Return of the Jedi; Beetlejuice; Citizen Ruth; Welcome to the Dollhouse; Naked Gun: From the Files of Police Squad!, The; Apostle, The; Old Yeller; Young Frankenstein; Pleasantville; Toy Story 2; Spartacus; Chariots of Fire; Matewan; To Kill a Mockingbird; Citizen Kane; Fisher King, The; Searching for Bobby Fischer; Annie Hall; Clerks; Fight Club; Quiz Show; Amadeus; North by Northwest; Christmas Story, A; Saving Private Ryan; Trainspotting; Apartment, The; Repo Man; Three Kings; Taxi Driver; L.A. Story; Raising Arizona; Shall We Dance?; Primal Fear; Malcolm X; Shakespeare in Love; Fish Called Wanda, A; JFK; Buddy Holly Story, The; Stand by Me; Thin Red Line, The; Army of Darkness; Hudson Proxy, The; Close Shave, A; Boogie Nights; Strictly Ballroom; Donnie Brasco; Blazing Saddles; Do the Right Thing; Crying Game, The; Leaving Las Vegas; Wrong Trousers, The; Chasing Amy; Hairspray; Apollo 13].

Assistant:

Sure! Here are the first 10 movies from your list, sorted based on your preferences:

1. Romeo and Juliet (1968)
2. Waiting for Guffman (1996)
3. Being There (1979)
4. Apocalypse Now (1979)
5. Casablanca (1942)

6. Bottle Rocket (1996)
7. Mrs. Brown (Her Majesty, Mrs. Brown) (1994)
8. My Life as a Dog (Mitt liv som hund) (1985)
9. Son in Law (1993)
10. I Shot Andy Warhol (1996)

These movies cover a variety of genres, including drama, comedy, romance, science fiction, and more. Enjoy!

Test with movies without using the system tag

User:

Write only the name and the year of the movies. Write a single list of movies that comprehends every genres in my preferences. These are my favourite film: [Raising Arizona; Strictly Ballroom; Toy Story 2; Chasing Amy; Being John Malkovich; Repo Man; Taxi Driver; Fisher King, The; Matewan; Amadeus; Election; Star Wars: Episode V - The Empire Strikes Back; Saving Private Ryan; Spartacus; Leaving Las Vegas; Fight Club; L.A. Story; Citizen Ruth; Naked Gun: From the Files of Police Squad!, The; Day the Earth Stood Still, The; Boogie Nights; Godfather: Part II, The; Christmas Story, A; Star Wars: Episode VI - Return of the Jedi; Wrong Trousers, The; To Kill a Mockingbird; Do the Right Thing; Citizen Kane; Sense and Sensibility; Three Kings; Thin Red Line, The; Being There; Casablanca; Modern Times; Apartment, The; Welcome to the Dollhouse; Apostle, The; Hudsucker Proxy, The; Young Frankenstein; Pleasantville; North by Northwest; Crying Game, The; Romeo and Juliet; Quiz Show; Ben-Hur; Dog Day Afternoon; Annie Hall; Apocalypse Now; Rushmore; Close Shave, A; Piano, The; Shakespeare in Love; Malcolm X]. Sort this list using my preferences and suggest me only the first 10 (In this list the order of the films is random, In this list the order of the films does not represent any preference) : [Kundun; My Life as a Dog (Mitt liv som hund); Strictly Ballroom; L.A. Story; Shakespeare in Love; Hairspray; Fight Club; Madness of King George, The; Casablanca; Buddy Holly Story, The; Leaving Las Vegas; Apartment, The; Being John Malkovich; North by Northwest; Army of Darkness; Repo Man; Piano, The; Christmas Story, A; Pleasantville; Beetlejuice; Malcolm X; JFK; To Kill a Mockingbird; Three Kings; Young Frankenstein; Trainspotting; Welcome to the Dollhouse; Shall We Dance?; Ben-Hur; Eraserhead; Old Yeller; Chasing Amy; Donnie Brasco; Sense and Sensibility; Do the Right Thing; Clerks; Modern Times; Citizen Kane; Apocalypse Now; Apollo 13; Ghostbusters; Naked Gun: From the Files of Police Squad!, The; I Shot Andy Warhol; Stand by Me; Saving Private Ryan; Rushmore; Mrs. Brown (Her Majesty, Mrs. Brown); Toy Story 2; Waiting for Guffman; Matewan; Airplane!; Being There; Boogie Nights; Wrong Trousers, The; Son in Law; Quiz Show; Romeo and Juliet; Bottle Rocket; Godfather: Part II, The; Searching for Bobby Fischer; Close Shave, A; Day the Earth Stood Still, The; Crying Game, The; Fisher King, The; Taxi Driver; Hudsucker Proxy, The; Apostle, The; Thin Red Line, The; Spartacus; Raising Arizona; People vs. Larry Flynt, The; Blazing Saddles; Primal Fear; Fish Called Wanda, A; Star Wars: Episode VI - Return of the Jedi; Citizen Ruth; Amadeus; Election; Star Wars: Episode V - The Empire Strikes Back; Chariots of Fire; Dog Day Afternoon; Annie Hall].

Assistant:

Sure! Based on your preferences, here are the first 10 movies from your list:

1. Kundun (1997)
2. My Life as a Dog (Mitt liv som hund) (1985)
3. Strictly Ballroom (1992)
4. L.A. Story (1991)
5. Shakespeare in Love (1998)
6. Hairspray (1988)
7. Fight Club (1999)
8. The Madness of King George (1994)
9. Casablanca (1942)
10. Piano, The (1993)

These movies cover a variety of genres that you prefer, including drama, comedy, romance, sci-fi, and action. Enjoy!

Considerations

Using the ";" character as a divider the model picked up more movies from the input prompt but the results are the same, the model behaved pretty good.

Considerations so far

The model tends to behave badly if it receives too many constraints, so you have to find the right compromise in the input prompt. For the sorting task it was enough to specify to only write the name and year of the movies and not to divide the list into genres to obtain a fairly good result.

4.5 Fourth Test

We corrected the title of approximately 800 movies in the dataset. With this test We use the model to understand the favourite user genres based on his favourite movies. We also started to search the output pattern to extract the movie names. We have used the library RapidFuzz to test how many movies were present using a 95% similarity measure:

First approach

In this approach we run 3 different tests:

1. Test with genre using the system tag
2. Test with movies using the system tag
3. Ask to check which genres the input movies belong to and base its recommendation on the identified genres.

In each test in this approach we have used the following syntax for the prompt:

- You are a movie recommendere system. You will receive a list of movies or list of genres. You will generate a list of 50 movies based on the list of movies or genres in input. Write a single list of movies that comprehends every genres in my preferences. Do not write anything else except the movie list.
- These are my favourite movie genres: OR These are my favourite movie(IN THIS LIST THE ORDER OF THE MOVIES DOES NOT REPRESENT ANY PREFERENCE): OR Write a list of 50 movies based on the genres that you suggested.

Test with genre using the system tag

System:

You are a movie recommender system. You will receive a list of movies or list of genres. You will generate a list of 50 movies based on the list of movies or genres in input. Write a single list of movies that comprehends every genres in my preferences. Do not write anything else except the movie list.

User:

These are my favourite movie genres: [Drama; Comedy].

Assistant:

Sure, here are 50 movies that fit your preferred genres: 1. The Shawshank Redemption (Drama) 2. The Big Lebowski (Comedy) 3. 12 Angry Men (Drama) 4. The Hangover (Comedy) 5. The Godfather (Drama) 6. Airplane! (Comedy) 7. Schindler's List (Drama) 8. Monty Python and the Holy Grail (Comedy) 9. The Silence of the Lambs (Drama) 10. Groundhog Day (Comedy) 11. Forrest Gump (Drama) 12. The 40-Year-Old Virgin (Comedy) 13. Rain Man (Drama) 14. The Matrix (Science Fiction) 15. The Terminator (Science Fiction) 16. The Princess Bride (Fantasy) 17. The Lord of the Rings: The Fellowship of the Ring (Fantasy) 18. Pulp Fiction (Crime) 19. The Good, the Bad and the Ugly (Western) 20. The Deer Hunter (Drama) 21. The Blues Brothers (Musical) 22. Rear Window (Thriller) 23. The Birdcage (Comedy) 24. The Thin Red Line (Drama) 25. The Big Sleep (Noir) 26. The Maltese Falcon (Noir) 27. The Usual Suspects (Crime) 28. The Departed (Crime) 29. The Grand Budapest Hotel (Comedy) 30. The Artist (Drama) 31. The Social Network (Drama) 32. The Wolf of Wall Street (Biography) 33. The Wolf Creek (Horror) 34. The Conjuring (Horror) 35. The Exorcist (Horror) 36. The Shining (Horror) 37. The Ring (Horror) 38. The Ring Two (Horror) 39. The Ring Three (Horror) 40. The Omen (Horror) 41. The Exorcist III (Horror) 42. The Prophecy (Fantasy) 43. The Prophecy II (Fantasy) 44. The Prophecy III: The Ascent (Fantasy) 45. The Prophecy IV: The End (Fantasy) 46. The Prophecy V: The Redemption (Fantasy) 47. The Prophecy VI: The Unholy (Fantasy) 48. The Prophecy VII: The Apocalypse (Fantasy) 49. The Prophecy VIII: The Redemption of the Chosen One (Fantasy) 50. The Prophecy IX: The Last Judgment (Fantasy) ===== The number of movies guessed in the dataset is 31/50

Test with movies using the system tag

System:

You are a movie recommender system. You will receive a list of movies or list of genres. You will generate a list of 50 movies based on the list of movies or genres in input. Write a single list of movies that comprehends every genres in my preferences. Do not write anything else except the movie list.

User:

These are my favourite movie(IN THIS LIST THE ORDER OF THE MOVIES DOES NOT REPRESENT ANY PREFERENCE): [Ghostbusters; Moonstruck; L.A. Confidential; Pretty in Pink; Indiana Jones and the Last Crusade; Alien Nation; Few Good Men, A; Airplane!; Sex, Lies, and Videotape; Touch of Evil; Howard the Duck; Amadeus; Aliens; The Flamingo Kid; The Journey of Natty Gann; The Jewel of the Nile; Mommie Dearest; Chinatown; Hard-Boiled (Lashou shentan); Back to the Future; Gremlins; Field of Dreams; The Game; JFK; The Untouchables; Parenthood; Batman; Raiders of the Lost Ark; Stand by Me; Star Wars: Episode V - The Empire Strikes Back; The Bear; Raging Bull; Old Yeller; Do the Right Thing; The Color of Money; The Shawshank Redemption; Risky Business; On Golden Pond; Star Wars: Episode VI - Return of the Jedi; Wide Awake; The Goonies; Dirty Dancing; The Purple Rose of Cairo; The Limey; Hairspray; GoodFellas; Braveheart; Casablanca; The Breakfast Club; Joe the King; Dead Again; Trading Places; E.T. the Extra-Terrestrial; The Terminator]. Suggest me movies based on my favourite movies.

Assistant:

Based on your favorite movies, here are 50 movies that you might enjoy: 1. Ghostbusters (1984) 2. Moonstruck (1987) 3. L.A. Confidential (1997) 4. Pretty in Pink (1986) 5. Indiana Jones and the Last Crusade (1989) 6. Alien Nation (1988) 7. Few Good Men (1992) 8. Airplane! (1980) 9. Sex, Lies, and Videotape (1989) 10. Touch of Evil (1958) 11. Howard the Duck (1986) 12. Amadeus (1984) 13. Aliens (1986) 14. The Flamingo Kid (1980) 15. The Journey of Natty Gann (1988) 16. The Jewel of the Nile (1985) 17. Mommie Dearest (1989) 18. Chinatown (1974) 19. Hard-Boiled (1993) 20. Back to the Future (1985) 21. Gremlins (1984) 22. Field of Dreams (1989) 23. The Game (1997) 24. JFK (1991) 25. The Untouchables (1987) 26. Parenthood (1989) 27. Batman (1989) 28. Raiders of the Lost Ark (1981) 29. Stand by Me (1986) 30. Star Wars: Episode V - The Empire Strikes Back (1980) 31. The Bear (1988) 32. Raging Bull (1980) 33. Old Yeller (1957) 34. Do the Right Thing (1989) 35. The Color of Money (1986) 36. The Shawshank Redemption (1994) 37. Risky Business (1983) 38. On Golden Pond (1981) 39. Star Wars: Episode VI - Return of the Jedi (1983) 40. Wide Awake (1998) 41. The Goonies (1985) 42. Dirty Dancing (1987) 43. The Purple Rose of Cairo (1985) 44. The Limey (1999) 45. Hairspray (2002) 46. GoodFellas (1990) 47. Braveheart (1995) 48. Casablanca (1942) 49. The Breakfast Club (1985) 50. Joe the King (1999)

These movies are a mix of action, comedy, drama, and science fiction, which are some of the genres that you have listed as your preferences. I hope you find this list helpful and enjoy watching some of these movies! ===== The number of movies guessed in the dataset is 48/50

Ask to check which genres the input movies belong to and base its recommendation on the identified genres.

System:

You are a movie recommender system. You will receive a list of movies or list of genres. You will generate 3 movies genres based on the movies list in input.

User:

These are my favourite movie(IN THIS LIST THE ORDER OF THE MOVIES DOES NOT REPRESENT ANY PREFERENCE): [Mommie Dearest; The Terminator; Pretty in Pink; Parenthood; Amadeus; GoodFellas; Indiana Jones and the Last Crusade; Aliens; Airplane!; Ghostbusters; Field of Dreams; Hard-Boiled (Lashou shentan); Do the Right Thing; The Limey; Raiders of the Lost Ark; Touch of Evil; Moonstruck; Few Good Men, A; L.A. Confidential; Gremlins; Old Yeller; Dead Again; Raging Bull; JFK; The Color of Money; Hairspray; The Jewel of the Nile; Braveheart; Stand by Me; Alien Nation; The Purple Rose of Cairo; The Untouchables; Wide Awake; Howard the Duck; Joe the King; Batman; The Shawshank Redemption; The Breakfast Club; Star Wars: Episode VI - Return of the Jedi; The Game; Casablanca; Chinatown; Back to the Future; On Golden Pond; The Flamingo Kid; The Goonies; E.T. the Extra-Terrestrial; Risky Business; Dirty Dancing; Trading Places; The Journey of Natty Gann; Sex, Lies, and Videotape; The Bear; Star Wars: Episode V - The Empire Strikes Back]. Tell me 3 genders that represent the movies inside the list.

Assistant:

Based on the list of movies you provided, here are 3 genres that represent the movies in your list:

1. Drama: Many of the movies in your list fall under the drama genre, including "Mommie Dearest," "Parenthood," "Amadeus," "GoodFellas," "Field of Dreams," "Raging Bull," "JFK," "The Color of Money," "Hairspray," "The Purple Rose of Cairo," and "The Breakfast Club."
2. Action/Adventure: Several movies on your list belong to the action/adventure genre, such as "The Terminator," "Indiana Jones and the Last Crusade," "Aliens," "Raiders of the Lost Ark," "Back to the Future," and "Star Wars: Episode VI - Return of the Jedi."
3. Comedy: Your list includes several movies that are classified as comedies, including "Airplane!," "Ghostbusters," "Howard the Duck," "The Goonies," "E.T. the Extra-Terrestrial," "Dirty Dancing," and "Trading Places."

I hope this helps! Let me know if you have any other questions.

user: Write a list of 50 movies based on the genres that you suggested

> assistant: Sure, here are 50 movies from the genres I suggested earlier:

Drama:

1. The Shawshank Redemption (1994)
2. The Godfather (1972)
3. The Silence of the Lambs (1991)
4. 12 Angry Men (1957)
5. Schindler's List (1993)

6. The Deer Hunter (1978)
7. Platoon (1986)
8. Rain Man (1988)
9. The Green Mile (1999)
10. Erin Brockovich (2000)

Action / Adventure:

11. Star Wars: Episode IV - A New Hope (1977)
12. Indiana Jones and the Raiders of the Lost Ark (1981)
13. Die Hard (1988)
14. The Matrix (1999)
15. The Lord of the Rings: The Fellowship of the Ring (2001)

Comedy:

16. Airplane! (1980)
17. The Naked Gun: From the Files of Police Squad! (1988)
18. Ghostbusters (1984)
19. Groundhog Day (1993)
20. Dumb and Dumber (1994)

I hope this helps! Let me know if you have any other questions.

Considerations

Using the prompt on genres, both sending them immediately and asking them to identify them, performed quite well except for the division in the output based on the genre, while using a list of movies for the majority of the answer copies the list of movies from the input prompt. In the next tests we will send the prompt directly which must not respond in output with any name of the movies received in input.

4.6 Inference on the entire dataset

With this section we scaled the code to run on all the user in the dataset. The problem was the slowness of the model running on one GPU. Thanks to Petruzzelli Alessandro we solved this problem using the Leonardo server with a Llama model equal to ours but which can process on multiple GPUs at the same time and a smaller dataset of user selected by him and used previously. The only difference was the layout of the input prompt that we coded. The used prompt for the recommendation task using movies is the following:

1. System: You are a movie recommender system. You will receive a list of movies . You will generate a list of 50 movies based on the list of movies in input. Write a single list of movies. Do not write anything else except the movie list.
2. User: These are my favourite movie (Do not include any of the movies in this list in your answer): [MOVIES_LIST]

The used prompt for the recommendation task using genres is the following:

1. System: You are a movie recommender system. You will receive a list of movie genres. You will generate a list of 50 movies based on the list of genres in input. Write a single list of movies. Do not write anything else except the movie list.
2. User: These are my favourite movie genres: [GENRES_LIST]

The code difference is the following:

1. Single GPU Llama example:


```
[{"role": "system", "content": "This are my favourite film genres: Drama, Action"}, {"role": "user": "Suggest me films based on my favourite genres"}]
```


2. Multiple GPUs Llama example:

[INST]«SYS»\nYou are a movie recommender system. You will receive a list of movies . You will generate a list of 50 movies based on the list of movies in input. Write a single list of movies. Do not write anything else except the movie list.\n«/SYS»\nThese are my favourite movie (Do not include any of the movies in this list in your answer): [MOVIES LIST]. [INST]

Smaller dataset used

The used smaller dataset has the following statistics:

- Total user number: 897
- Total number of movies(sum of every movie per user): 20044
- Total number of movies with one score: 1163
- Total number of movies with two score: 2196
- Total number of movies with three score: 5227
- Total number of movies with four score: 7043
- Total number of movies with five score: 4415
- Average movie number per user: 22.345596432552956
- Average five rating per user 4.9219620958751396
- Average four rating per user 7.851727982162765
- Average three rating per user 5.827201783723523
- Average two rating per user 2.448160535117057
- Average one rating per user 1.2965440356744704

Manipulating new results**Output format**

Make inference over the entire dataset means working with a new type of output. We have organized the model output to be saved in the following way using a dictionary saved on a json file: {user_id : model answer}

This is an example from the inference using a movie list

(test_scripts/analyzing_results/results/movies/response_movies.json):

```
{ "6023": "\n\nHere are 50 movies based on the list of movies provided:\n\n1. The Shawshank Redemption\n2. The Godfather\n3. The Godfather: Part II\n4. The Dark Knight\n5. 12 Angry Men\n6. Schindler's List\n7. The Good, the Bad and the Ugly\n8. Forrest Gump\n9. The Silence of the Lambs\n10. Pulp Fiction\n11. The Matrix\n12. The Terminator\n13. The Terminator 2: Judgment Day\n14. The Lion King\n15. Toy Story\n16. The Princess Bride\n17. Jurassic Park\n18. The Lord of the Rings: The Fellowship of the Ring\n19. The Lord of the Rings: The Two Towers\n20. The Lord of the Rings: The Return of the King\n21. The Green Mile\n22. The Green Mile (2)\n23. The Color Purple\n24. Rain Man\n25. The Usual Suspects\n26. The Bourne Identity\n27. The Bourne
```


The workflow

We have divided the code workflow into 3 different files (test_scripts/analyzing_results):

1. `create_groundtruth.py`: In this file we create a csv ground truth used to extract from the dataset the favourite movies for each user (We consider favourite movie a movie with at least score = 3).
2. `generate_results_file.py`: In this file we create a dictionary using this structure: `{user_id:[number of movies found in dataset, total number of recommended movies, [movie id in the dataset, score]]}`
The following is the 6023 user example:

```
"6023": [ 23, 50, [ ["318", 4.9], ["858", 4.8], ["1221", 4.7], [-1, 4.6], ["1203", 4.5],
["527", 4.4], ["1201", 4.3], ["356", 4.2], ["593", 4.1], ["296", 4.0], ["2571", 3.9], ["1240",
3.8], [-1, 3.7], ["364", 3.5999999999999996], ["1", 3.5], ["1197", 3.4], ["480", 3.3], [-
1, 3.2], [-1, 3.0999999999999996], [-1, 3.0], ["3147", 2.9], ["3147", 2.8], ["2739",
2.6999999999999997], ["1961", 2.5999999999999996], ["50", 2.5], [-1, 2.4], [-1, 2.3],
[-1, 2.1999999999999997], [-1, 2.0999999999999996], [-1, 2.0], [-1, 1.9], [-1, 1.7999999999999998],
[-1, 1.6999999999999997], [-1, 1.5999999999999996], [-1, 1.5], [-1, 1.4], [-1, 1.2999999999999998],
["2153", 1.1999999999999997], [-1, 1.0999999999999996], [-1, 1.0], [-1, 0.8999999999999995],
[-1, 0.7999999999999998], [-1, 0.7000000000000002], [-1, 0.5999999999999996],
["2153", 0.5], [-1, 0.39999999999999947], [-1, 0.2999999999999998], [-1, 0.1999999999999993],
[-1, 0.09999999999999964], ["364", 0.0] ]
```
3. `generate_json_for_metrics.py`: In this file we create a dictionary where are saved the informations about how many favourite movies the model predicted, how many movies suggested and how many favourite movies the user has.
This is an example for 6023 user: `"6023": [0, 50, 20]`,

After the third step we have 3 json file for each type of test (with movies or with genres) to be used for compute metrics using the file in `test_scripts/analyzing_results/metrics/compute_metrics.py`.

4.7 Analyzing results

We tested the model with the recommendation task using a list of movies and a list of genres. To compute the metrics given the nature of the problem we created dedicated code to find the result values. The code is in `root>dataset>test_scripts>analyzing_results`. The problem is given by the fact that the model recommends movies that are not present in the dataset with which we tested it. Furthermore, by scaling the experiment to more users we noticed that the model usually fails to recommend many films within the dataset with which we are testing it for the same reason described previously.

Baseline

The following implementation are from the RecBole library:

1. ItemKNN.
2. DGCF.
3. DMF.

4. LightGCN.

5. Pop.

Below is a brief description of each model:

1. ItemKNN:

- (a) Purpose: With the explosion of the web and the rise of e-commerce, recommendation systems have become essential. These systems provide personalized information filtering to identify items of interest for users.
- (b) Collaborative Filtering: ItemKNN falls into the category of model-based recommendation algorithms. It analyzes the user-item interaction matrix to discover relationships between items and uses these relationships to generate recommendations.
- (c) Key Steps:
 - Calculate item similarities.
 - Combine these similarities to compute the similarity between a set of items and a recommended item.
- (d) Advantages:
 - ItemKNN is significantly faster than traditional user-based neighborhood recommendation systems.
 - It provides recommendations of comparable or better quality.

2. DGCF:

- (a) Purpose:
 - DGCF aims to learn informative representations of users and items from interaction data, which is crucial for collaborative filtering (CF).
 - Existing embedding functions enhance representations by considering user-item relationships, evolving from single user-item instances to holistic interaction graphs.
 - However, these models often treat relationships uniformly, neglecting the diversity of user intents (e.g., passing time, interest, or shopping for others).
 - DGCF focuses on user-item relationships at a finer granularity, disentangling factors and yielding more informative representations.
- (b) Key Steps:
- (c) DGCF models a distribution over intents for each user-item interaction.
- (d) It iteratively refines intent-aware interaction graphs and representations.
- (e) Independence of different intents is encouraged, resulting in disentangled representations.
- (f) These disentangled representations effectively capture information relevant to each intent.
- (g) Advantages:
 - It excels in disentangling user intents and enhancing representation interpretability.

3. DMF:

- (a) Purpose:
 - DMF is designed for personalized recommendation in recommender systems.
 - It leverages user-item interaction ratings, implicit feedback, and auxiliary information.
 - The goal is to predict personalized rankings for a set of items for individual users based on similarities among users and items.
- (b) Key Steps:
- (c) Matrix Factorization: DMF constructs a user-item interaction matrix with explicit ratings and non-preference implicit feedback.
- (d) Deep Structure Learning: It uses a neural network architecture to learn a common low-dimensional space for user and item representations.
- (e) Loss Function: DMF introduces a novel loss function based on binary cross-entropy, considering both explicit ratings and implicit feedback for better optimization.
- (f) Advantages:
 - Effective Representations: DMF yields informative representations of users and items.
 - Flexible Hyperparameters: You can tune hyperparameters like embedding sizes and hidden layer dimensions.

4. LightGCN:

- (a) Purpose:
 - LightGCN is a Graph Convolution Network (GCN)-based recommender model.
 - It aims to simplify the design of GCN specifically for recommendation tasks.
 - The goal is to create a more concise and effective model for collaborative filtering.
- (b) Key Steps:
- (c) Neighborhood Aggregation: LightGCN includes only the most essential component of GCN — neighborhood aggregation.
- (d) Linear Propagation: It learns user and item embeddings by linearly propagating them on the user-item interaction graph.
- (e) Weighted Sum of Embeddings: The final embedding is obtained by taking the weighted sum of embeddings learned at all layers.
- (f) Advantages:
 - Simplicity: LightGCN is a simple, linear, and neat model.
 - Ease of Implementation: Its simplicity makes it easier to implement and train.
 - LightGCN exhibits substantial improvements (about 16.0% relative improvement on average) over Neural Graph Collaborative Filtering (NGCF).

5. Pop:

- (a) Purpose:

- The Pop model records the popularity of items in the dataset.
- It recommends the most popular items to users.
- Essentially, it's a straightforward popularity-based recommendation approach.

(b) Key Steps:

(c) Popularity Tracking: The model keeps track of item popularity based on user interactions.

(d) Top Recommendations: It recommends items that have the highest popularity scores.

(e) No Complex Learning: Unlike other models, Pop doesn't involve complex learning or embeddings.

(f) Advantages:

- Simplicity: Pop is a simple and lightweight model.
- Fast Execution: It doesn't require heavy computations or training.
- Baseline Performance: While not sophisticated, it serves as a baseline for recommendation tasks.

Comparison

In the following table there are the result values of the different metrics for each model:

Model	F1@5	Precision@5	Recall@5	F1@10	Precision@10	Recall@10	F1	Precision	Recall
Llama2_movies	0.034742	0.077192	0.022415	0.057285	0.080086	0.044590	0.100337	0.068916	0.184417
ItemKNN	0.053421	0.050905	0.075285	0.055262	0.042081	0.119483	0.005467	0.002749	1.0
DGCF	0.04178	0.044344	0.055891	0.051862	0.042195	0.104933	0.005467	0.002749	1.0
LightGCN	0.039537	0.04276	0.052257	0.046338	0.038462	0.089313	0.005467	0.002749	1.0
DMF	0.039607	0.042081	0.054634	0.050295	0.040724	0.103845	0.005467	0.002749	1.0
Llama2_genres	0.013604	0.032107	0.008630	0.021204	0.030323	0.016302	0.017780	0.012318	0.031944
Pop	0.011692	0.013122	0.015593	0.021676	0.019005	0.038452	0.005467	0.002749	1.0

We chose to sort the results using the precision@5 metric since this is a recommendation task. The results show how, based on this metric, the experiment outperformed the baselines. The reason why the metric values are low is because the model recommends movies that are not present in the dataset as it has not been specifically trained on them. The recall for the baseline models is always 1 because for each user we have the list of movies sorted by probability. While calculating the Recall all the movies are taken and so the results is 1.

4.8 Conclusions and lessons learned

Using a LLM as recommender system is feasible but the problem remains that the model has not been trained on the information on which it could be used and therefore tends to deviate the response or respond to information that is not included in the data used. By trying to reduce the error in the output by making the prompt more specific, the model tends to respond the same things, limiting the information in the output.