

MOVIE RECOMMENDATION SYSTEM

******* WELCOME TO THE MAIN MENU*******

- 1. Display movies**
- 2. Display ratings**
- 3. Display similarity between two users**
- 4. Generate recommendations**
- 5. Rate a movie**
- 6. Add/Remove a movie**
- 7. Exit**

Enter your choice:

MOVIE RECOMMENDATION SYSTEM

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Enter your choice: **11**

This option is invalid. Try again:

Display Movies

Movie id	Movie name	Year
-----	-----	-----
1	Toy Story	1995
2	GoldenEye	1995
3	Four Rooms	1995
4	Get Shorty	1995
5	Copycat	1995
...		

Press ‘m’ to Main menu, and ‘q’ to Quit

Display Ratings

Enter user id:

Display Ratings

Enter user id: 123

This user id does not exist. Try again: 1

Ratings of user 1 are:

Movie id	Rating
-----	-----
1	1
2	2
3	2
7	5
...	

Press 'r' to Retry, 'm' to Main menu, and 'q' to Quit

Display similarity between two users

Enter first user id:

Display similarity between two users

Enter first user id: 0

This user id does not exist. Try again: 1

Enter second user id: 13

Similarity between user 1 and user 13 is: 0.321

Press 'r' to Retry, 'm' to Main menu, and 'q' to Quit

----- **Generate Recommendations** -----

Enter user id:

----- Generate Recommendations -----

Enter user id: **0**

This user id does not exist. Try again: 1

Top-3 recommendations for user 1 are:

Movie id	Movie name	Year	Predicted rating
-----	-----	-----	-----
15	Mr. Holland's Opus	1995	4.26
4	Get Shorty	1995	3.92
46	Exotica	1994	3.18

====What do you want to do?====

- a. Display all predictions for this user**
- b. Retry**
- c. Back to main menu**
- d. Exit**

Your choice: **a**

====What do you want to do?====

- a. Display all predictions for this user
- b. Retry
- c. Back to main menu
- d. Exit

Your choice: **a**

Predictions of unseen movies by user 1:

Movie id	Predicted rating
-----	-----
4	3.92
5	Not predictable
6	2.84
15	4.26
...	

====What do you want to do?====

- a. Display all predictions for this user
- b. Retry
- c. Back to main menu
- d. Exit

Your choice:

Continue from previous slide

Rate a movie

Enter the Information Below

=====

Used ID: 1

Movie ID: 5

Rating (1-5): 2

=====

Do you want to save (Y/N)? Y

The record was successfully saved.

Press 'r' to Retry, 'm' to Main menu, and 'q' to Quit

Rate a movie

Enter the Information Below

=====

Used ID: 1

Movie ID: 3

Rating (1-5): 5

=====

Do you want to save (Y/N)? Y

The record was successfully saved.

Press 'r' to Retry, 'm' to Main menu, and 'q' to Quit

Note: The previous rating of user 1 for item 3 was 2
- Now the file should be updated
- The previous record is replaced with the new record
- Duplicate records are forbidden

Rate a movie

Enter the Information Below

=====

Used ID: 0

Movie ID: 5

Rating (1-5): 2

=====

Do you want to save (Y/N)? Y

This user id does not exist.

Press 'r' to Retry, 'm' to Main menu, and 'q' to Quit

Rate a movie

Enter the Information Below

=====

Used ID: 1

Movie ID: 800

Rating (1-5): 2

=====

Do you want to save (Y/N)? Y

This movie id does not exist.

Press 'r' to Retry, 'm' to Main menu, and 'q' to Quit

Rate a movie

Enter the Information Below

=====

Used ID: 1

Movie ID: 5

Rating (1-5): 7

=====

Do you want to save (Y/N)? Y

This rating is not valid. (only between 1 to 5)

Press 'r' to Retry, 'm' to Main menu, and 'q' to Quit

Rate a movie

Enter the Information Below

=====

Used ID: 1

Movie ID: 5

Rating: 2

=====

Do you want to save (Y/N)? N

Press 'r' to Retry, 'm' to Main menu, and 'q' to Quit

Add/Remove a movie

====What do you want to do?====

- a. Add a new movie**
- b. Remove a movie**
- c. Back to main menu**
- d. Exit**

Your choice? a

Add a new movie

Enter the Information Below

=====

Name: Titanic

Year: 1997

=====

Do you want to save (Y/N)? Y

The record was successfully saved.

Press 'r' to Retry, 'p' to Previous, 'm' to Main menu, and 'q' to Quit

Add a new movie

Enter the Information Below

=====

Name: Toy Story

Year: 1995

=====

Do you want to save (Y/N)? Y

This movie already exists.

Press 'r' to Retry, 'p' to Previous, 'm' to Main menu, and 'q' to Quit

Add a new movie

Enter the Information Below

=====

Name: **Titanic**

Year: **1997**

=====

Do you want to save (Y/N)? **N**

Press 'r' to Retry, 'p' to Previous, 'm' to Main menu, and 'q' to Quit

After adding a new movie

Add a new movie

Enter the Information Below

=====

Name: Titanic

Year: 1997

=====

Do you want to save (Y/N)? Y

The record was successfully saved.

Press 'r' to Retry, 'p' to Previous, 'n' to Next

Display Movies

Movie id	Movie name	Year
-----	-----	-----
1	Toy Story	1995
2	GoldenEye	1995
3	Four Rooms	1995
4	Get Shorty	1995
5	Copycat	1995

...

61	Titanic	1997
----	---------	------

Press 'm' to Main menu, and 'q' to Quit

After rate a new movie

Add a new movie

Enter the Information
=====

Name: **Titanic**
Year: **1997**
=====

Do you want to save (Y/N): **y**
=====

The record was successfully added.
Press 'r' to Retry, 'p' to Previous menu, and 'q' to Quit

Rate a movie

Enter the Information
=====

Used ID: **1**
Movie ID: **61**
Rating (1-5): **4**

=====

Do you want to save (Y/N): **y**
=====

The record was successfully added.
Press 'r' to Retry, 'm' to Main menu, and 'q' to Quit

Display Ratings

Enter user id: **1**
=====

Ratings of user 1 are:

Movie id	Rating
-----	-----
1	1
2	2
3	2
...	...
61	4

Press 'r' to Retry, 'm' to Main menu, and 'q' to Quit

Movie ID 61 should be valid

Remove a movie

== == Remove by name or ID? == ==

- a. By name**
- b. By ID**

Your choice: a

Enter the name of movie: Toy Story

Are you sure you want to delete “Toy Story” (Y/N)? Y

The record was successfully removed.

Press ‘r’ to Retry, ‘p’ to Previous, ‘m’ to Main menu, and ‘q’ to Quit

Remove a movie

== Remove by name or ID? ==

- a. By name**
- b. By ID**

Your choice: a

Enter the name of movie: Scream

Are you sure you want to delete “Scream” (Y/N)? Y

This movie does not exist.

Press ‘r’ to Retry, ‘p’ to Previous, ‘m’ to Main menu, and ‘q’ to Quit

Remove a movie

== == Remove by name or ID? == ==

- a. By name**
- b. By ID**

Your choice: b

Enter movie ID: 5

Are you sure you want to delete “movie 5” (Y/N)? Y

The record was successfully removed.

Press ‘r’ to Retry, ‘p’ to Previous, ‘m’ to Main menu, and ‘q’ to Quit

Remove a movie

== Remove by name or ID? ==

- a. By name**
- b. By ID**

Your choice: b

Enter movie ID: 1000

Are you sure you want to delete “movie 1000” (Y/N)? Y

This movie does not exist.

Press ‘r’ to Retry, ‘p’ to Previous, ‘m’ to Main menu, and ‘q’ to Quit

Remove a movie

=== Remove by name or ID? ===

- a. By name**
- b. By ID**

Your choice: b

Enter movie ID: 42

Are you sure you want to delete “movie 1000” (Y/N)? N

Press ‘r’ to Retry, ‘p’ to Previous, ‘m’ to Main menu, and ‘q’ to Quit

After removing a movie

Remove a movie

=== Remove by name or ID? ===
a. By name
b. By ID

Your choice: **a**

Enter the name of movie: **Toy Story**

Are you sure you want to delete “Toy Story”?

The record was successfully removed.

Press ‘r’ to Retry, ‘p’ to Previous, ‘q’ to Quit

Display Movies

Movie id	Movie name	Year
2	GoldenEye	1995

Display Ratings

Enter user id: **1**

Ratings of user 1 are:

Movie id	Rating
2	2
3	2

Movie ID 1 have been removed

Try to rate a deleted movie!!!!

```
-----  
Remove a movie  
-----  
  
=====Remove by name or ID?=====  
a. By name  
b. By ID  
Your choice: a  
  
Enter the name of movie: Toy Story  
  
Are you sure you want to delete "Toy  
  
The record was successfully removed  
  
Press 'r' to Retry, 'p' to Previous, 'm'
```

```
-----  
Rate a movie  
-----  
  
Enter the Information Below  
=====  
Used ID: 43  
Movie ID: 1  
Rating (1-5): 4  
=====  
  
Do you want to save (Y/N)? Y  
  
This movie id does not exist.  
  
Press 'r' to Retry, 'm' to Main menu, and 'q' to Quit
```

Movie ID 1 should be invalid