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		
Display Katligs		
Enter user id:		
Effect doct id.		

Display Ratings

Enter user id: 123

This user id does not exist. Try again: 1

Ratings of user 1 are:

Movie id	Ratin
1	1
2	2
3	2
7	5
•••	

Dianlas cimilarity hotygon tygo ugorg	
Display similarity between two users	
Enter first user id:	
Effect first user tu:	

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

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.

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.

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.

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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)

Rate a movie

Enter the Information Below

==========

Used ID: 1

Movie ID: 5

Rating: 2

==========

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

Add/Remove a movie

- = = = = = = = = =
- 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.

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.

Add a new movie

Enter the Information Below

==========

Name: Titanic

Year: 1997

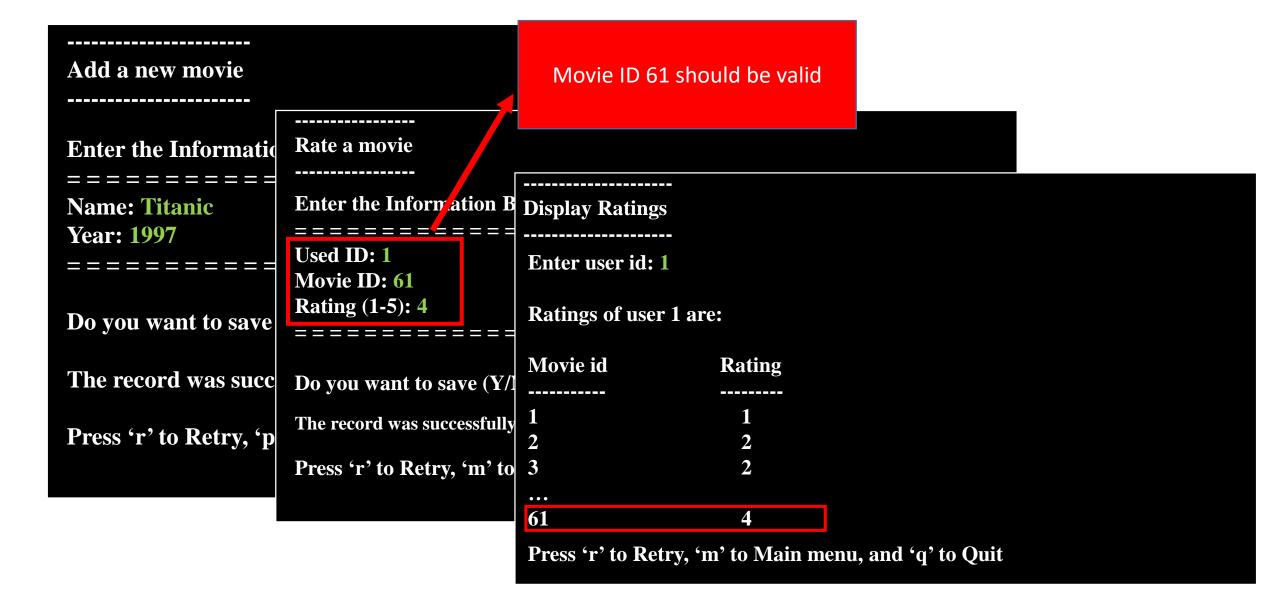
==========

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

After adding a new movie

Add a new movie			
Enter the Information Below			
=========			
Name: Titanic	Display Movies		
Year: 1997			
==========	Movie id	Movie name	Year
			400=
Do you want to save (Y/N)? Y		Toy Story	1995
	2	GoldenEye	1995
The mound was successfully saved	3	Four Rooms	1995
The record was successfully saved.	4	Get Shorty	1995
	5	Copycat	1995
Press 'r' to Retry, 'p' to Previous, 'n	•••		
	61	Titanic	1997
	Press 'm' to Ma	ain menu, and 'q' to Quit	

After rate a new 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" (Y/N)? Y

The record was successfully removed.

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.

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.

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.

Remove a movie

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

a. By name

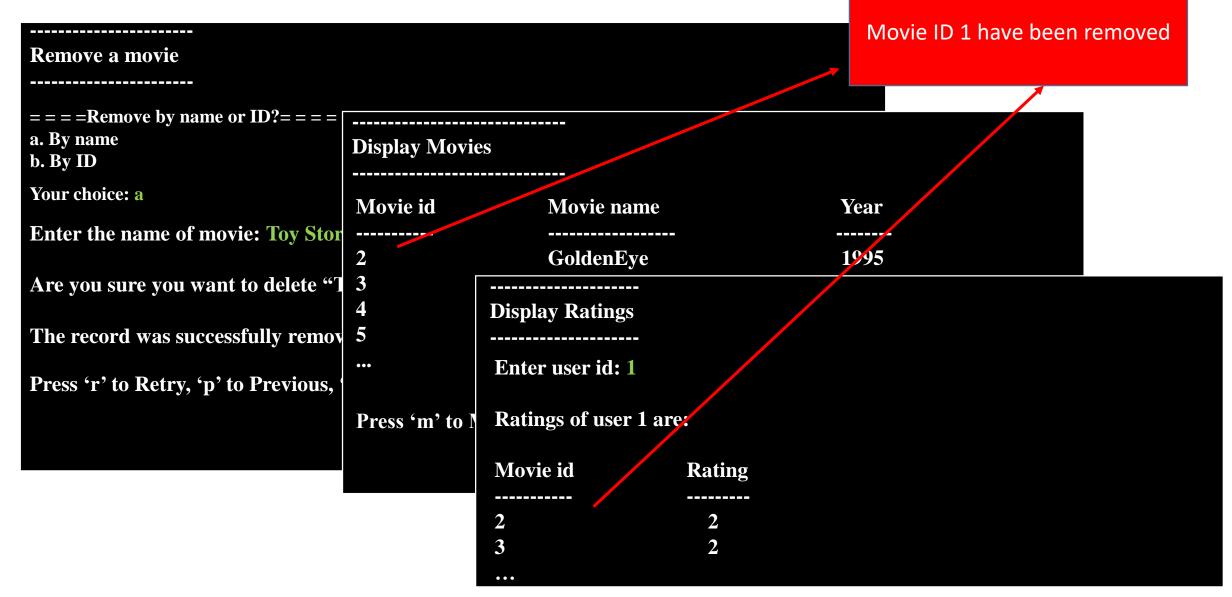
b. By ID

Your choice: b

Enter movie ID: 42

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

After removing a movie



Try to rate a deleted movie!!!!

```
Movie ID 1 should be invalid
Remove a movie
= = = =Remove by name or ID?= = = =
                                     Rate a movie
a. By name
b. By ID
                                     Enter the Information Below
Your choice: a
                                     Used ID: 43
Enter the name of movie: Toy Story
                                     Movie ID: 1
Are you sure you want to delete "Toy
                                     Rating (1-5): 4
                                     ============
The record was successfully removed
                                     Do you want to save (Y/N)? Y
Press 'r' to Retry, 'p' to Previous, 'm
                                     This movie id does not exist.
                                     Press 'r' to Retry, 'm' to Main menu, and 'q' to Quit
```