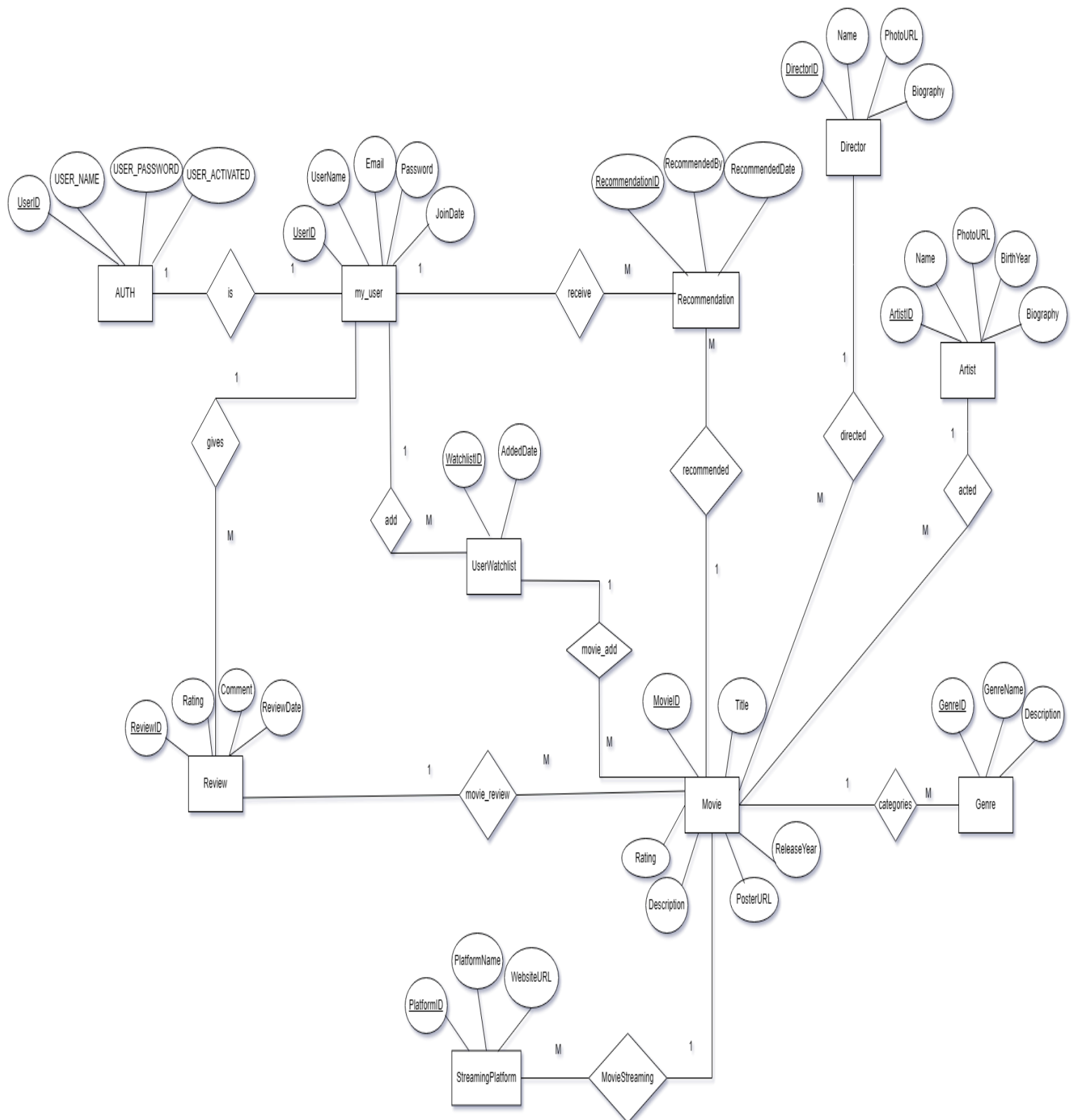
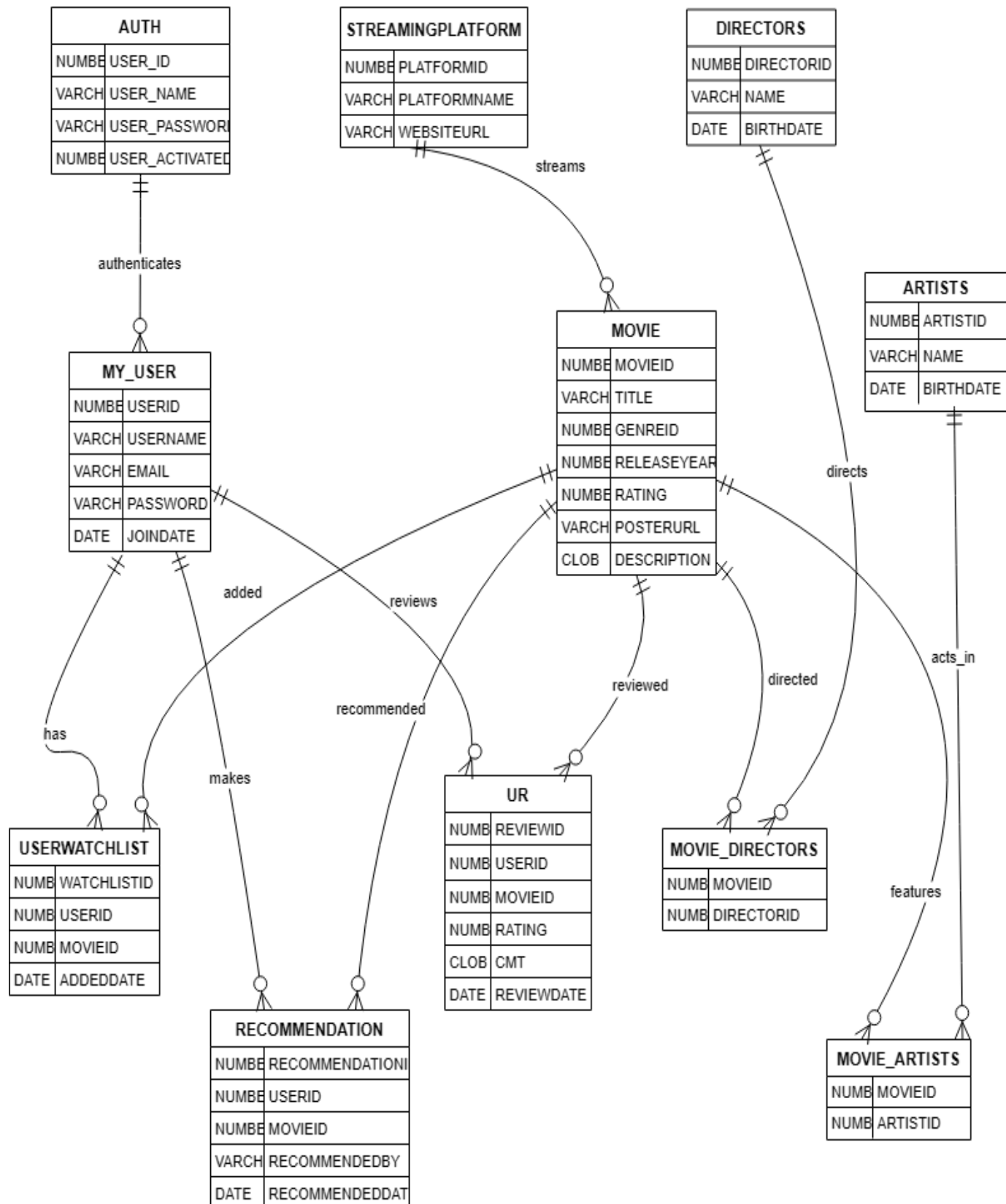


1. E-R Model of the Project



2. Schema Design of the Project



3. Implementation Checklist

Description	Remarks
Project ID	11
Workspace Name	PROJECT302MRJ
Workspace Email	AXLOLIGHT@GMAIL.COM
Workspace Password	ycallingy@7
Authentication Type	Custom
Username and Password to Login	admin
write username like admin	1234
Have multiple users, username and password ->	User: AliceWonder Pass: alice2024
	User: jane Pass: 1234
	User: lajim Pass: 1234
Number of Reports with Forms	06
Number of Reports based on Queries, Aggregate Queries	16
Included any trigger/other feature which is not taught in class. If yes, please explain briefly.	A trigger was used to autofill all the id (primary key)
Write the most unique feature/functionality in your application or the page of your application that you are proud of. Explain briefly.	The unique feature of our application is that users can view complete movie descriptions. This is achieved by joining the movie table with the artist and director tables, allowing us to display all relevant details in one place.

4. Reports with Forms

Report Page Number and Name	Form Page Number and Name	Table
4.1 Page - 4, Artist	Page - 6, Manage Artist	artist
4.2 Page – 32, Movie	Page – 11, Manage Movies	movie
4.3 Page – 17, Movie Director	Page – 15, Director	director
4.4 Page- 21, Reviews	Page – 21, Reviews	ur
4.5 Pag-32 , Movie	Pag-32 , Movie	movie
4.5 Pag-43 , Manage Watchlist	Pag-43,Manage Watchlist	User_watchlist

Fig: 4.1

Fig: 4.2

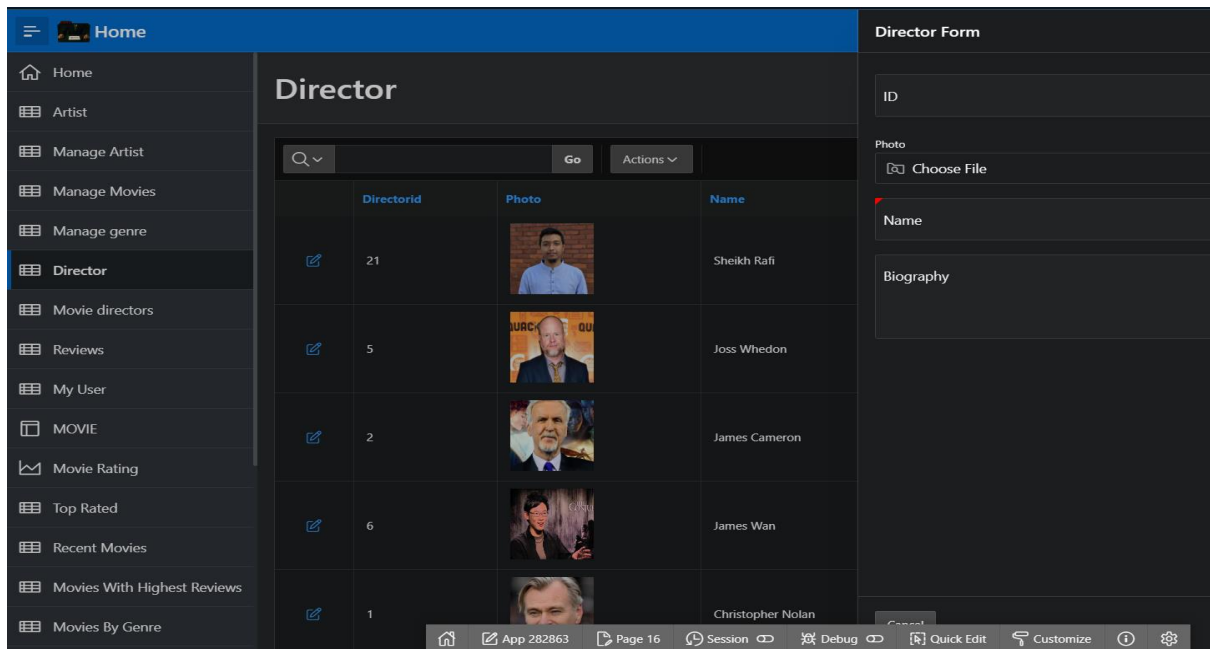


Fig: 4.3

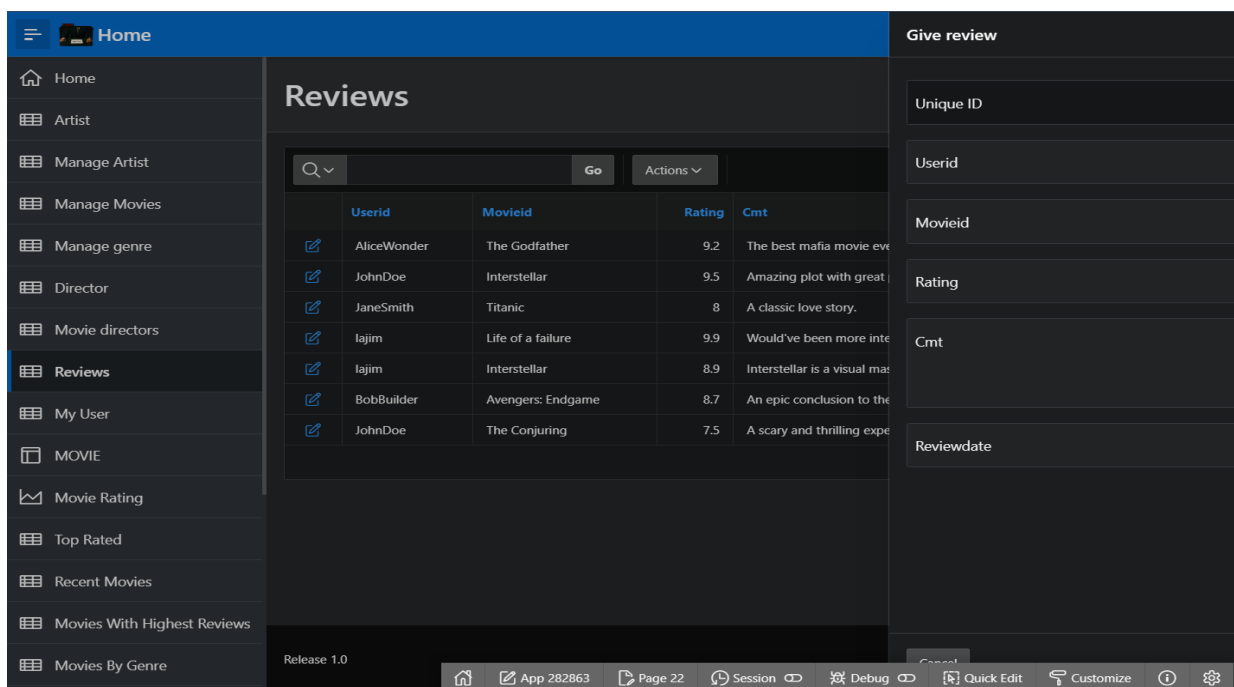


Fig: 4.4

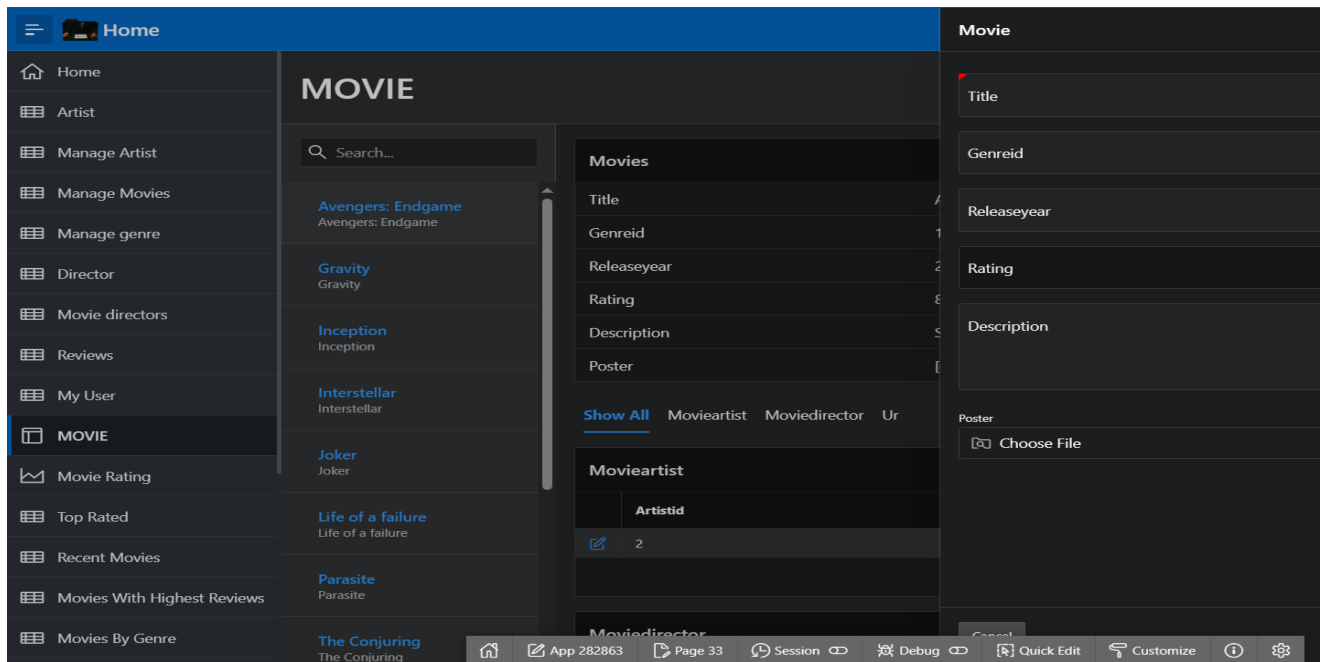
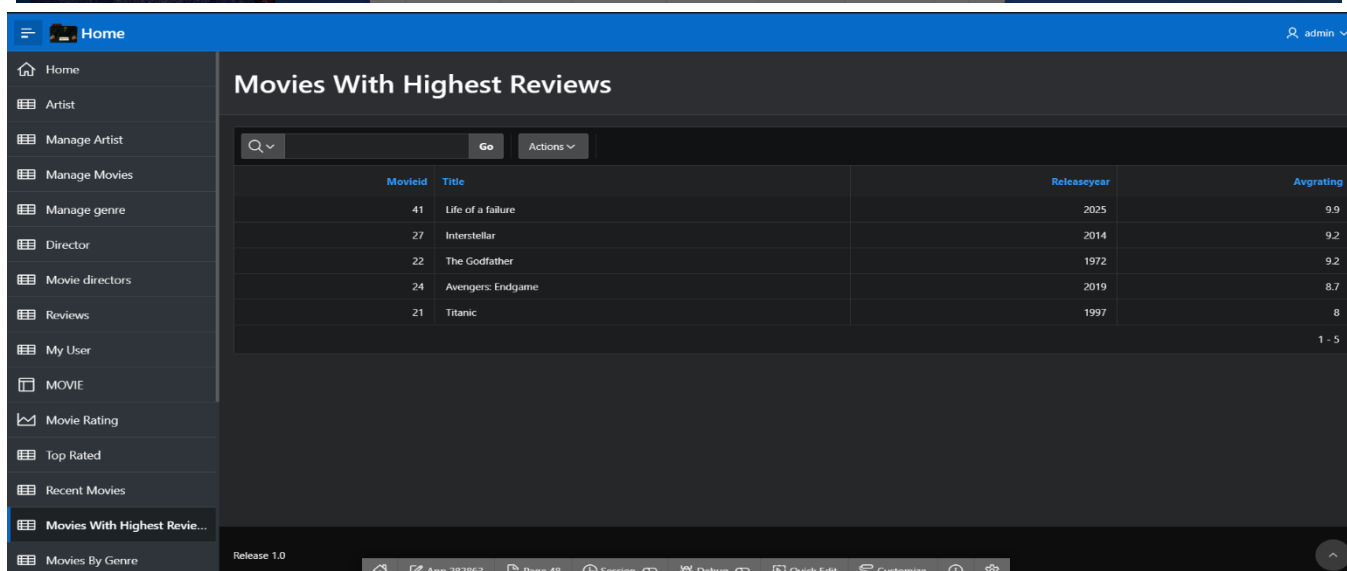
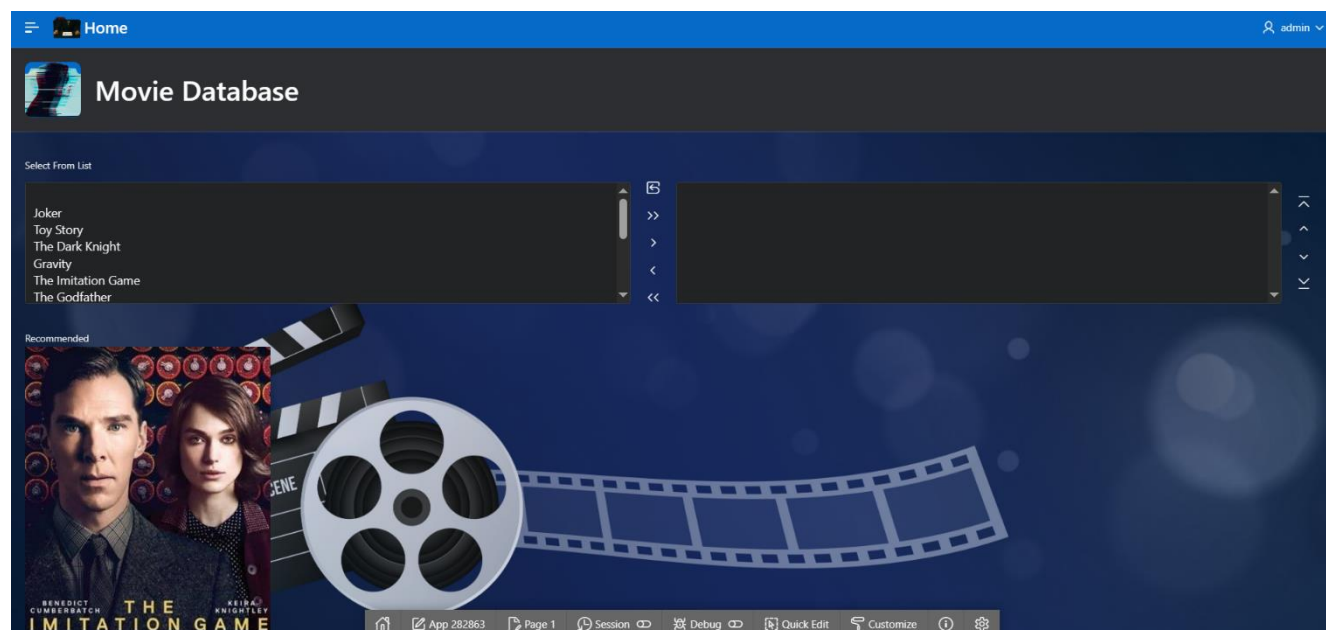


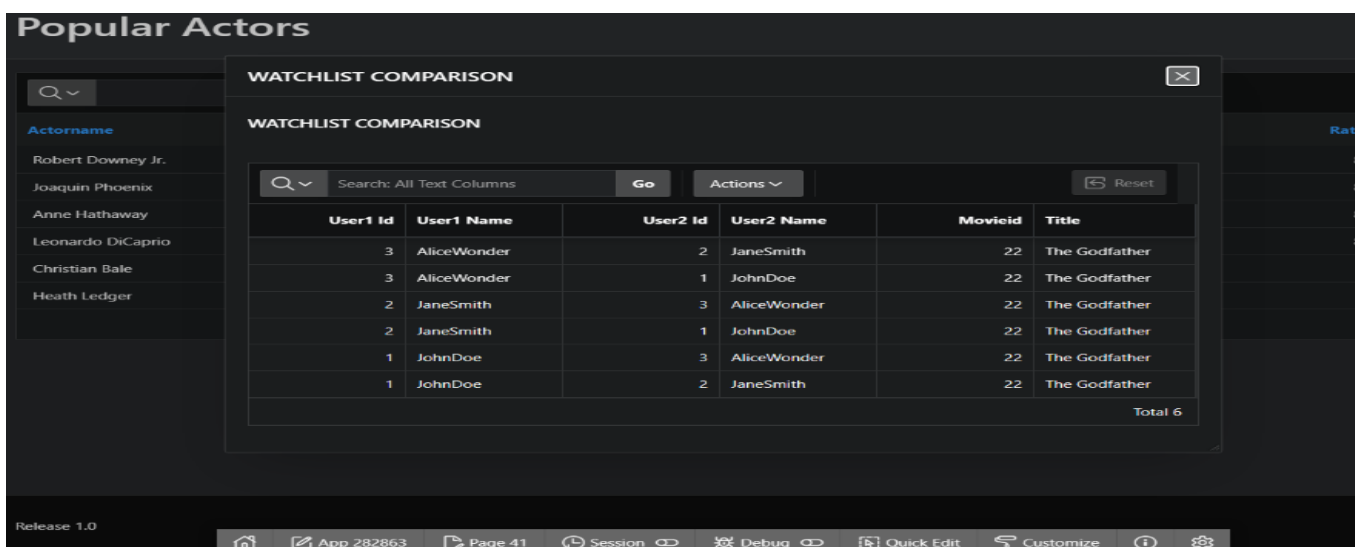
Fig: 4.5

5. Reports based on Multi-Table and Aggregate Queries

Page Number and Name	Query Type	Report description
48 Movies With Highest Reviews	Multi-table Aggregate with Grouping	This report shows the total number of movies in each genre, along with the average rating for each genre.
41 WATCHLIST COMPARISON	Multi-table Aggregate Query	This report shows the total number of movies added to the watch list by each user, grouped by the release year.
31 Watching form	Multi-table Aggregate	Report shows movie name and platform link where to watch the movie.
56 Latest Movies	Multi-table Aggregate with Grouping	Most recommended movies, along with the total number of recommendations for each movie.
43 Recommendation	Aggregate/Analytical	This report shows the most recommended movies, along with the total number of recommendations for each movie.
38 Top Rated	Multi-table Aggregate with Grouping	Most reviewed movies, along with the average review rating for each movie.
58 Most Active User	Aggregate/Analytical	Most Active User calculating by added and review movies perspective.



5.1



5.2

Home

admin

Top Rated

Recent Movies

Movies With Highest Reviews

Movies By Genre

Latest Movies

Most Active User

Popular Actors

Recommendations

Watching From

WATCHLIST COMPARISON

Manage Watchlist

Manage Watchlist

Watching From

Movieid	Title	Description	Platformname	Platformurl	Availabilitydate
2	Inception	A mind-bending thriller about dreams within dreams.	Netflix	https://www.netflix.com	7/16/2010
25	Joker	A dark exploration of a troubled comedian.	Amazon Prime	https://www.amazon.com/Prime-Video	11/5/2021
22	The Godfather	A crime drama about the Corleone family.	Hulu	https://www.hulu.com	5/10/2022
26	Toy Story	Animated toys come to life when humans are not around.	Disney+	https://www.disneyplus.com	1/1/2022

1 - 4

Release 1.0

5.3

Home

Artist

Manage Artist

Manage Movies

Manage genre

Director

Movie directors

Reviews

My User

MOVIE

Movie Rating

Top Rated

Recent Movies

Movies With Highest Reviews

Movies By Genre

Movies By Genre

Movieid	Title	Releaseyear	Rating	Genre
24	Avengers: Endgame	2019	8.4	Action
3	The Dark Knight	2008	9	Action
41	Life of a failure	2025	10	Comedy
26	Toy Story	1995	8.3	Comedy
25	Joker	2019	8.4	Drama
22	The Godfather	1972	9.2	Drama
81	The Imitation Game	2014	10	Historical Fiction
28	Parasite	2019	8.6	Horror
23	The Conjuring	2013	7.5	Horror
21	Titanic	1997	7.8	Romance
27	Interstellar	2014	8.6	Sci-Fi
61	Gravity	2013	7.5	Sci-Fi
2	Inception	2010	8.8	Sci-Fi
82	Avatar	2009	8	Sci-Fi

Release 1.0

Home

admin

My User

MOVIE

Movie Rating

Top Rated

Recent Movies

Movies With Highest Reviews

Movies By Genre

Latest Movies

Most Active User

Popular Actors

Recommendations

Watching From

WATCHLIST COMPARISON

Manage Watchlist

Manage Watchlist

Popular Actors

Q

Go

Actions

Actorname	Movietitle	Rating	Releaseyear
Robert Downey Jr.	Avengers: Endgame	8.4	2019
Joaquin Phoenix	Joker	8.4	2019
Anne Hathaway	Interstellar	8.6	2014
Leonardo DiCaprio	Inception	8.8	2010
Christian Bale	The Dark Knight	9	2008
Heath Ledger	The Dark Knight	9	2008

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Release 1.0

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Quick Edit

Customize

5.4

Home

admin

Home

Artist

Manage Artist

Manage Movies

Manage genre

Director

Movie directors

Reviews

My User

MOVIE

Movie Rating

Top Rated

Recent Movies

Movies With Highest Reviews

Movies By Genre

Top Rated

Reviewid

Rating

Cmt

Userid

Movielid

2	9.2	The best mafia movie ever made.	3	22
21	9.5	Amazing plot with great performances!	1	27
22	8	A classic love story.	2	21
23	8.7	An epic conclusion to the saga.	21	24
41	8.9	Interstellar is a visual masterpiece that has a human touch that propels it to greatness.	4	27
61	9.9	Would've been more interesting if you'd took Superstar Sami and Blockbuster Zim as main character.	4	41

Release 1.0

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Quick Edit

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5.5

Home

admin

My User

MOVIE

Movie Rating

Top Rated

Recent Movies

Movies With Highest Reviews

Movies By Genre

Latest Movies

Most Active User

Popular Actors

Recommendations

Watching From

Most Active User

Q

Go

Actions

Username	Reviewcount
IajIm	2
JohnDoe	2
JaneSmith	1
AliceWonder	1
BobBuilder	1

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Release 1.0

App 282863

Page 58

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6. Authorization and User Role Assignment

User Role Assignment

Username	Password	Role
admin	1234	admin
jane	1234	user
BobBuilder	builderpass	user
lajim	1234	user

7. Concluding Remarks

This semester, we had four CSE courses, each with its own projects and lab exams. Towards the end, all the project deadlines and final exams piled up, making it really challenging to manage everything. We did our best, but unfortunately, we made a mistake in the CSE302 project. We're grateful that you gave us another chance to fix it. There were quite a few sleepless nights along the way, but in the end, it was all worth it, and we learned a lot from the experience.