

PREFACE

The M-list alias for The Movies list is a software application that recommends latest shows and, when you feel overwhelmed by the vast array of entertainment options.

In a world brimming with cinematic choices, The M-list serves as your trusted guide, curating a personalized selection of the latest and most captivating shows and movies. As the digital age propels us into an era of limitless content, this application emerges as a beacon, simplifying the daunting task of choosing what to watch.

INTRODUCTION

The primary objective is to highlight the seamless integration of programming languages and database management systems, creating an efficient movie recommendation system.

Through the utilization of Python, MySQL, and tkinter, the project demonstrates the creation of a functional and user-friendly Graphical User Interface (GUI). This ensures that users can interact effortlessly, providing them with a memorable and practical experience in navigating the system.

The system enables users to conduct searches based on various criteria they desire such as genre, director, actor, etc. Once users find a movie they like and want to reference later, they can store it in their wish list.

Importantly, the system has the capability to handle multiple users, each with their own individual wish lists. This functionality enhances the user experience by providing secure and personalized way to discover and save preferred content for future reference.

OBJECTIVE

The main objective of our project is to create an application that would answer the question "What should I watch now?".

SCOPE

1. User Management:

- The system may include features for User management, allowing Admins to create and manage User accounts with different levels of access and permissions. This can enable collaboration and control over the database.

2. Movies Data:

- The system should be able to store and manage rank of movie, name, genre, director, cast, etc.

3. Search and Retrieval:

- The system should provide search capabilities, allowing users to search for movies based on various criteria such

as rank of a movie, name, box-office, genre, director, cast, rating and certain age.

4. Data Updates:

- The system should support easy and efficient updating of movie data, allowing administrators or authorized users to add new movies and remove outdated or incorrect data.

5. Wish List:

- The system should have a list of movies which the user wishes to see later. List should be unique to every user.

6. GUI:

- The system should have an easy-to-use interactable graphical user interface for the end user.

SYSTEM REQUIREMENTS

Hardware:

- Computer with at least 2 GB of RAM and 10 GB of free disk.
- Processor with at least 2 cores and a clock speed of 2 GHz(min)
- An operating system such as Windows, mac OS, or Linux running on the PC

Software:

- Python interpreter (version 3.8 or higher recommended).
- MySQL database (version 5.7 or higher recommended).
- Text editor such as Visual Studio code or python IDLE

DATABASE DESIGN

Databases used:

- a) Admin database
- b) Movies database

A. Admin Database:

Used for storing and managing Users and their respective Wish lists.

This Database consists of “AdminT” relation to store data of all users i.e. id, email and passwords and another wish list relation to store the wish lists of those n users respectively named “<username>WL”.

adminT scheme

```
mysql> desc admint;
+-----+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| user  | varchar(20) | YES  |     | NULL    |       |
| email | varchar(50)  | YES  |     | NULL    |       |
| password | varchar(20) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+
3 rows in set (0.04 sec)
```

Data in aminT : (example)

user	email	password
Maran	Maran@gmail.com	maran123

“<username>WL” (tables in admin database)

Tables_in_admin
adminint
maranwl

Wish list scheme:

Field	Type	Null	Key	Default	Extra
MovieID	int	NO	PRI	NULL	
Title	varchar(30)	YES		NULL	
Genre	varchar(30)	YES		NULL	
ReleaseYear	int	YES		NULL	
director	varchar(20)	YES		NULL	
MainCast	varchar(100)	YES		NULL	

Here this Wishlist scheme is for user Maran hence relation name is “maranwl”.

For each user the system will create a unique relation for storing their respective Wishlist

B. Movies Database:

Used for storing and managing all movies of different criteria such as genre, cast, director, etc.
Database consists of relation “Movies”

Movies scheme:

```
mysql> desc movies ;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| MovieId | int | NO | PRI | NULL |       |
| Title | varchar(30) | YES |       | NULL |       |
| Genre | varchar(30) | YES |       | NULL |       |
| ReleaseYear | int | YES |       | NULL |       |
| Director | varchar(20) | YES |       | NULL |       |
| MainCast | varchar(100) | YES |       | NULL |       |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)
```

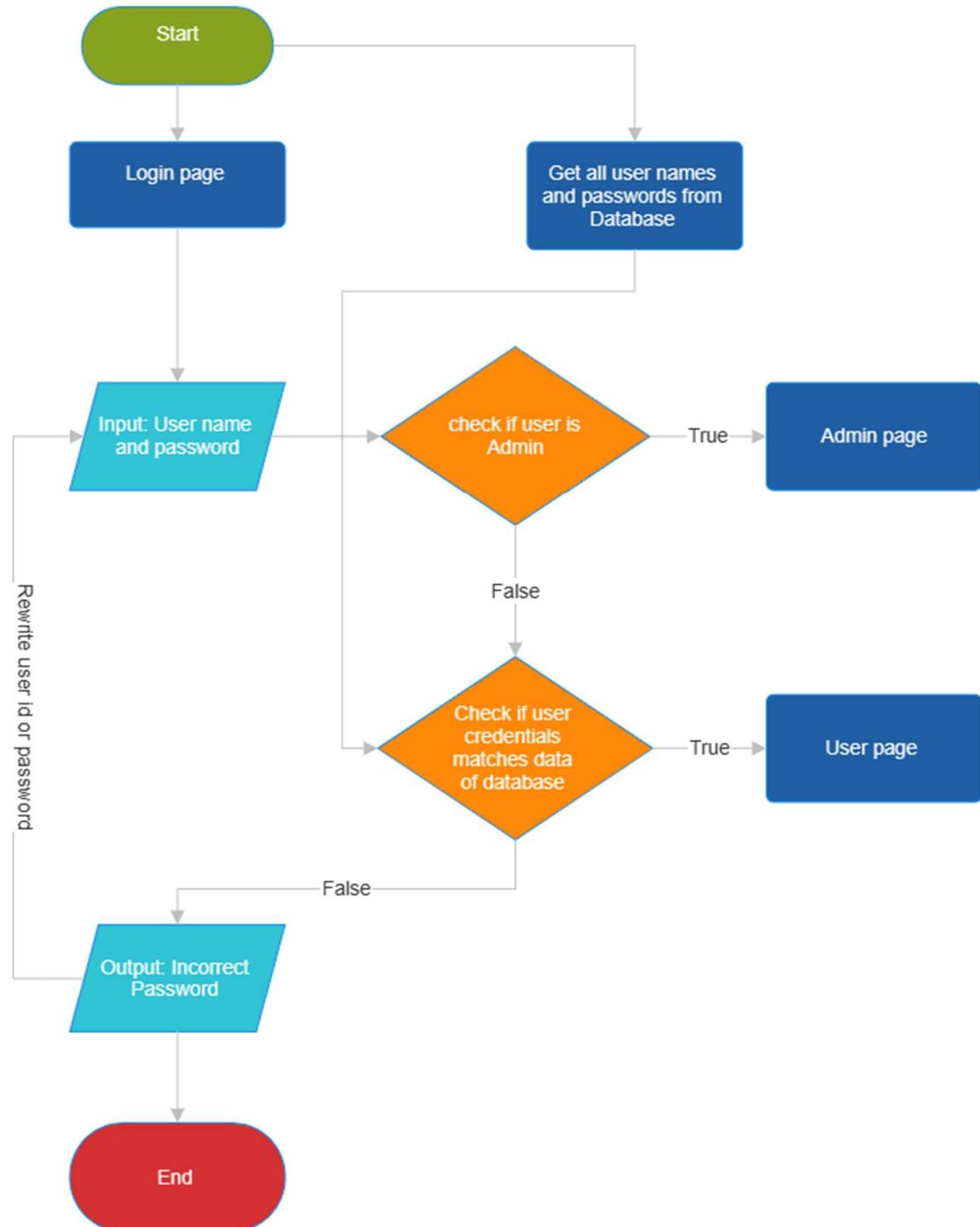
Data in movies relation: (sample)

```
mysql> select * from movies;
+-----+-----+-----+-----+-----+
| MovieId | Title | Genre | ReleaseYear | Director | MainCast |
+-----+-----+-----+-----+-----+
| 1 | The Shawshank Redemption | Drama | 1994 | Frank Darabont | Frank DarabontTim RobbinsMorgan FreemanBob GuntonAparna Balamurali |
| 2 | The Godfather | Crime, Drama | 1972 | Francis Ford Coppola | Francis Ford CoppolaMarlon BrandoAl PacinoJames CaanMackenzie Foy |
| 3 | The Dark Knight | Action, Crime, Drama | 2008 | Christopher Nolan | Christopher NolanChristian BaleHeath LedgerAaron EckhartMatthew McConaughey |
| 4 | The Godfather: Part II | Crime, Drama | 1974 | Francis Ford Coppola | Francis Ford CoppolaAl PacinoRobert De NiroRobert DuvallRumi Hiiragi |
| 5 | 12 Angry Men | Crime, Drama | 1957 | Sidney Lumet | Sidney LumetHenry FondaLee J. CobbMartin BalsamEdward Burns |
| 6 | Pulp Fiction | Crime, Drama | 1994 | Quentin Tarantino | Quentin TarantinoJohn TravoltaUma ThurmanSamuel L. JacksonGiustino Durano |
| 7 | Schindler's List | Biography, Drama, History | 1993 | Steven Spielberg | Steven SpielbergLiam NeesonRalph FiennesBen KingsleyAndrew Kevin Walker |
| 8 | Inception | Action, Adventure, Sci-Fi | 2010 | Christopher Nolan | Christopher NolanLeonardo DiCaprioJoseph Gordon-LevittElliot PageKasi Lemmons |
| 9 | Fight Club | Drama | 1999 | David Fincher | David FincherBrad PittEdward NortonNeal McDonoughLoafAlec Guinness |
| 10 | Forrest Gump | Drama, Romance | 1994 | Robert Zemeckis | Robert ZemeckisTom HanksRobin WrightGary SiniseYukiko Shimazaki |
| 11 | The Matrix | Action, Sci-Fi | 1999 | Lana Wachowski | Lana WachowskiLilly WachowskiKeanu ReevesLaurence FishburnePaul Reiser |
| 12 | Goodfellas | Biography, Crime, Drama | 1990 | Martin Scorsese | Martin ScorseseRobert De NiroRay LiottaJoe PesciAnne Le Ny |
| 13 | Hamilton | Biography, Drama, History | 2020 | Thomas Kail | Thomas KailLin-Manuel MirandaPhillip SooleesieEduardo Santoro |
| 14 | Gisaengchung | Comedy, Drama, Thriller | 2019 | Bong Joon Ho | Bong Joon HoKang-ho SongLee Sun-kyunChoi Yeo-jeongOliver Reed |
| 15 | Seorarai Pottru | Drama | 2020 | Sudha Kongara | Sudha KongaraSuriyaMadhavanPareesh RawalJennifer Lien |
| 16 | Interstellar | Adventure, Drama, Sci-Fi | 2014 | Christopher Nolan | Christopher NolanMatthew McConaugheyAnne HathawayJessica ChastainStephen Baldwin |
| 17 | Cidade de Deus | Crime, Drama | 2002 | Fernando Meirelles | Fernando MeirellesKleber MendonçaFilhoLundAlexandre RodriguesLeandro FirminoDanny Aiello |
| 18 | Sen to Chihiro no kamikakushi | Animation, Adventure, Family | 2001 | Hayao Miyazaki | Hayao MiyazakiDoveyagh ChaseSuzanne PleshetteMiyu IrinoJames Earl Jones |
| 19 | Saving Private Ryan | Drama, War | 1998 | Steven Spielberg | Steven SpielbergTom HanksMatt DamonTom SizemoreRobert Patrick |
| 20 | The Green Mile | Crime, Drama, Fantasy | 1999 | Frank Darabont | Frank DarabontMichael Clarke DuncanDavid MorseIsa Danieli |
| 21 | La vita è bella | Comedy, Drama, Romance | 1997 | Roberto Benigni | Roberto BenigniNicole BraschiGiorgio CantariniYoshiko Shinohara |
| 22 | Se7en | Crime, Drama, Mystery | 1995 | David Fincher | David FincherMorgan FreemanBrad PittKevin SpaceyCrispin Glover |
| 23 | The Silence of the Lambs | Crime, Drama, Thriller | 1991 | Jonathan Demme | Jonathan DemmeJodie FosterAnthony HopkinsLawrence A. BonneyJason Robards |
| 24 | Star Wars | Action, Adventure, Fantasy | 1977 | George Lucas | George LucasMark HamillHarrison FordCarrie FisherJohn Gavin |
| 25 | Seppuku | Action, Drama, Mystery | 1962 | Masaki Kobayashi | Masaki KobayashiTatsuya NakadaiAkira IshihamaShima IwashitaClaude Rains |
| 26 | Shichinin no samurai | Action, Adventure, Drama | 1954 | Akira Kurosawa | Akira KurosawaToshiro MifuneTakashi ShimuraKeiko TsushimaTiny Sandford |
| 27 | It's a Wonderful Life | Drama, Family, Fantasy | 1946 | Frank Capra | Frank CapraJames StewartDonna ReedLionel BarrymoreHarry Myers |
| 28 | Joker | Crime, Drama, Thriller | 2019 | Todd Phillips | Todd PhillipsJoaquin PhoenixRobert De NiroZazie BeetzKwasi Al Haddad |
| 29 | Whiplash | Drama, Music | 2014 | Damien Chazelle | Damien ChazelleMiles TellerJ.K. SimmonsMelissa BenoistKyung-jin Lee |
| 30 | The Intouchables | Biography, Comedy, Drama | 2011 | Olivier Nakache | Olivier NakacheFabrice ToledanoFrançois CluzetOmar SyShradha Srinath |
| 31 | The Prestige | Drama, Mystery, Sci-Fi | 2006 | Christopher Nolan | Christopher NolanChristian BaleHugh JackmanScarlett JohanssonAoi Yûki |
| 32 | The Departed | Crime, Drama, Thriller | 2006 | Martin Scorsese | Martin ScorseseLeonardo DiCaprioMatt DamonJack NicholsonSanya Malhotra |
| 33 | The Pianist | Biography, Drama, Music | 2002 | Roman Polanski | Roman PolanskiAdrien BrodyThomas KretschmannFrançois FinlayJake Johnson |
| 34 | Gladiator | Action, Adventure, Drama | 2000 | Ridley Scott | Ridley ScottRussell CroweJoaquin PhoenixConnie NielsenMark Ruffalo |
| 35 | American History X | Drama | 1998 | Tony Kaye | Tony KayeEdward NortonEdward FurlongBeverly D'AngeloMark Ruffalo |
| 36 | The Usual Suspects | Crime, Mystery, Thriller | 1995 | Bryan Singer | Bryan SingerKevin SpaceyGabriel ByrneChazz PalminteriBenjamin Bratt |
| 37 | L'Afghan | Action, Crime, Drama | 1994 | Luc Besson | Luc BessonJean RenoGary OldmanNatalie PortmanKerry Washington |
| 38 | The Lion King | Animation, Adventure, Drama | 1994 | Roger Allers | Roger AllersRob MinkoffMatthew BroderickJeremy IronsGary Oldman |
| 39 | Terminator 2: Judgment Day | Action, Sci-Fi | 1991 | James Cameron | James CameronArnold SchwarzeneggerLinda HamiltonEdward FurlongSherman Isohi
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45	Terminator 2: Judgment Day	Action, Sci-Fi	1991	James Cameron	James Cameron	Arnold Schwarzenegger	Linda Hamilton	Edward Furlong	Sharman Joshi
46	Nuovo Cinema Paradiso	Drama, Romance	1988	Giuseppe Tornatore	Giuseppe Tornatore	Philippe Noiret	Enzo Cannavale	Alberto Teardo	Chopra
47	Hotaru no haka	Animation, Drama, War	1988	Isoo Takahata	Isoo Takahata	Isamu Tamai	Shimizu Kuniyoshi	Yamaguchi	Willard
48	Back to the Future	Adventure, Comedy, Sci-Fi	1985	Robert Zemeckis	Robert Zemeckis	Michael J. Fox	Christopher Lloyd	Thompson Ulrich	Tekur
49	Once Upon a Time in the West	Western	1968	Sergio Leone	Sergio Leone	Henry Fonda	Claudia Cardinale	Kim Yeong-Ok	
50	Psycho	Horror, Mystery, Thriller	1960	Alfred Hitchcock	Alfred Hitchcock	Anthony Perkins	Janet Leigh	Vera Miles	Mark Boone Junior
51	Casablanca	Drama, Romance, War	1942	Michael Curtiz	Michael Curtiz	Humphrey Bogart	Ingrid Bergman	Paul Henreid	Billy Crudup
52	Modern Times	Comedy, Drama, Family	1936	Charles Chaplin	Charles Chaplin	Charles Chaplin	Charles Chaplin	Virginia Cherrill	Florence Lee
53	City Lights	Comedy, Drama, Romance	1931	Charles Chaplin	Charles Chaplin	Yordanos Shiferaw	Frederick Treves	John Rhys-Davies	
54	Capharnaüm	Drama	2018	Nadine Labaki	Nadine Labaki	Alejandro G. Iñárritu	Leigh Whannell	Henry Bergman	Williams
55	Ayla: The Daughter of War	Biography, Drama, History	2017	Can Ulkay	Can Ulkay	Canan Erden	İsmail Hacıoglu	Frederic Forrest	
56	Vikram Vedha	Action, Crime, Drama	2016	Gayatri	Gayatri	Pushkar Madhavan	Vijay Sethupathi	Veronica Cartwright	
57	Kimi no na wa.	Animation, Drama, Fantasy	2016	Makoto Shinkai	Makoto Shinkai	Shinkai Makoto	Kimikone Kamishiraishi	Ryô Arai	Narita Ramesh Deo
58	Dangal	Action, Biography, Drama	2016	Nitesh Tiwari	Nitesh Tiwari	Amir Khan	Sharmila Tagore	Farima Fatima	Kagawa
59	Avengers: Endgame	Action, Adventure, Drama	2019	Anthony Russo	Anthony Russo	Anthony Russo	Chris Evans	Robert Downey Jr.	Chris Hemsworth
60	Avengers: Infinity War	Action, Adventure, Sci-Fi	2018	Anthony Russo	Anthony Russo	Anthony Russo	Scarlett Johansson	Mark Ruffalo	Chris Pratt
61	Coco	Animation, Adventure, Family	2017	Lee Unkrich	Lee Unkrich	Enrique Iglesias	Benicio Del Toro	Alfred Molina	George Macready
62	Django Unchained	Drama, Western	2012	Quentin Tarantino	Quentin Tarantino	Quinton Tarantino	Tim Roth	Samuel L. Jackson	Adriana Barraza
63	The Dark Knight Rises	Action, Adventure	2012	Christopher Nolan	Christopher Nolan	Christian Bale	Tom Hardy	Heath Ledger	Frank Miller
64	3 Idiots	Comedy, Drama	2009	Rajkumar Hirani	Rajkumar Hirani	Shah Rukh Khan	Amitabh Bachchan	Akshay Kumar	Deepika Padukone
65	Taare Zameen Par	Drama, Family	2007	Aamir Khan	Aamir Khan	Suraj Sharma	Kareena Kapoor	Kareena Kapoor	Shreyas Talpade
66	WALL·E	Animation, Adventure, Family	2008	Andrew Stanton	Andrew Stanton	Elton John	Steve Jobs	Elton John	Steve Jobs
67	Olddeoboi	Action, Drama, Mystery	2003	Chan-wook Park	Chan-wook Park	Chung-tien Wu	Naoko Mori	Naoko Mori	Naoko Mori
68	Memento	Mystery, Thriller	2000	Christopher Nolan	Christopher Nolan	Christopher Nolan	Carrie-Anne Moss	Joe Pantoliano	Shahab Hosseini
69	Mononoke-hime	Animation, Action, Adventure	1997	Hayao Miyazaki	Hayao Miyazaki	Hayao Miyazaki	Chiaki Kuriyama	Atsushi Abe	Yûko Takeuchi
70	Once Upon a Time in America	Crime, Drama	1984	Sergio Leone	Sergio Leone	James Woods	Elizabeth McGovern	Edie Falco	Edie Falco
71	Raiders of the Lost Ark	Action, Adventure	1981	Steven Spielberg	Steven Spielberg	Sean Connery	Richard Dreyfuss	Alan Alda	George Lucas
72	The Shining	Drama, Horror	1980	Stanley Kubrick	Stanley Kubrick	Jack Palance	Scatman Crothers	Barry Pepper	Barry Pepper
73	Apocalypse Now	Drama, Mystery, War	1979	Francis Ford Coppola	Francis Ford Coppola	Marlon Brando	Freddie Jones	Malcolm McDowell	Malcolm McDowell
74	Alien	Horror, Sci-Fi	1979	Ridley Scott	Ridley Scott	Sigourney Weaver	John Hurt	Glenn Close	Sigourney Weaver
75	Anand	Drama, Musical	1971	Shrikish Mukherjee	Shrikish Mukherjee	Dev Anand	Sharmila Tagore	Sharmila Tagore	Sharmila Tagore
76	Tengoku to jigoku	Crime, Drama, Mystery	1963	Akira Kurosawa	Akira Kurosawa	Sho Kosugi	Keiko Matsuzaki	Yûko Matsuzaki	Yûko Matsuzaki
77	Witness for the Prosecution	Crime, Drama, Mystery	1957	Billy Wilder	Billy Wilder	Charles Laughton	Laurence Olivier	John Mills	John Mills
78	Paths of Glory	Drama, War	1957	Stanley Kubrick	Stanley Kubrick	Stanley Kubrick	William Holden	William Holden	William Holden
79	Rear Window	Mystery, Thriller	1954	Alfred Hitchcock	Alfred Hitchcock	Grace Kelly	James Stewart	James Stewart	James Stewart
80	Sunset Blvd.	Drama, Film-Noir	1950	Billy Wilder	Billy Wilder	William Holden	William Holden	William Holden	William Holden
81	The Great Dictator	Comedy, Drama, War	1940	Charles Chaplin	Charles Chaplin	Charles Chaplin	Adolphe Menjou	Adolphe Menjou	Adolphe Menjou
82	1917	Drama, Thriller, War	2019	Sam Mendes	Sam Mendes	Sam Mendes	George MacKay	Daniel Mays	Daniel Mays
83	Tumbbad	Drama, Fantasy, Horror	2018	Rahi Anil Barve	Rahi Anil Barve	Rahi Anil Barve	Barun Sobti	Barun Sobti	Barun Sobti
84	Andhadhun	Crime, Drama, Music	2018	Sriram Raghavan	Sriram Raghavan	Sriram Raghavan	Shashank Khurrana	Shashank Khurrana	Shashank Khurrana
85	Drishyam	Crime, Drama, Thriller	2013	Jeethu Joseph	Jeethu Joseph	Jeethu Joseph	Prakash Raj	Prakash Raj	Prakash Raj
86	Jagten	Drama	2012	Thomas Vinterberg	Thomas Vinterberg	Thomas Vinterberg	Thomas Bo Larsen	Thomas Bo Larsen	Thomas Bo Larsen
87	Jodeya'e Nader az Simin	Drama	2011	Asghar Farhadi	Asghar Farhadi	Asghar Farhadi	Leila Hatami	Leila Hatami	Leila Hatami
88	Incendies	Drama, Mystery, War	2010	Denis Villeneuve	Denis Villeneuve	Denis Villeneuve	Clotilde Hesme	Clotilde Hesme	Clotilde Hesme
89	Bebam ve Oglum	Drama, Family	2005	Şafak Ağan İrmak	Şafak Ağan İrmak	Şafak Ağan İrmak	Şenay Güvenç	Şenay Güvenç	Şenay Güvenç
90	Inglourious Basterds	Adventure, Drama, War	2009	Quentin Tarantino	Quentin Tarantino	Quentin Tarantino	Tim Roth	Tim Roth	Tim Roth
91	Amélie	Comedy, Romance	2001	Jean-Pierre Jeunet	Jean-Pierre Jeunet	Jean-Pierre Jeunet	Audrey Tautou	Audrey Tautou	Audrey Tautou
92	Snatch	Comedy, Crime	2000	Guy Ritchie	Guy Ritchie	Guy Ritchie	Stephen Graham	Stephen Graham	Stephen Graham
93	Requiem for a Dream	Drama	2000	Darren Aronofsky	Darren Aronofsky	Darren Aronofsky	Jennifer Connelly	Jared Leto	Jared Leto

129	Chhichhore	Comedy, Drama	2019	Nitesh Tiwari	Nitesh TiwariSushant Singh RajputShradha KapoorVarun SharmaShilpa Shukla
130	Uri: The Surgical Strike	Action, Drama, War	2018	Aditya Dhar	Aditya DharVicky KaushalPanesh RawalRainaMartin Stringer
131	K.G.F: Chapter 1	Action, Drama	2018	Prashanth Neel	Prashanth NeelYashSrinidhi ShettyRamachandranRajuMaribel VerdúFáfás
132	Green Book	Biography, Comedy, Drama	2018	Peter Farrelly	Peter FarrellyViggo MortensenMahershala AliLinus SandgrenCiaran HindsBeatty
134	Talvar	Crime, Drama, Mystery	2015	Meghna Gulzar	Meghna GulzarRituparno GhoshKhanKhandaan SetiSharmaleeraj KabiSharmajan Joshi
135	Baahubali 2: The Conclusion	Action, Drama	2017	S.S. Rajamouli	S.S. RajamouliPrabhasRana DagabuttarAnushka ShettyAyesha Kapoor
136	Klaus	Animation, Adventure, Comedy	2019	Sergio Pablos	Sergio PablosScloos MartínezLópez SchertzmanJ. SimmonsLiam Neeson
137	Drishyam	Crime, Drama, Mystery	2015	Nishikant Kamat	Nishikant KamatAjay DevgnShriya SaranAbhishek Sheeth
138	Queen	Adventure, Comedy, Drama	2013	Vikas Bahl	Vikas BahlKangana RanautRajkummar RaoLisa HaydonJuliane Käfner
139	Mandarinid	Drama, War	2013	Zaza Urushadze	Zaza UrushadzeLehmil UlfasElmo NAFAGanengiorgi NakashidzeAkhiko Miwa
141	Gangs of Wasseypur	Action, Comedy, Crime	2012	Anurag Kashyap	Anurag KashyapManoj BajpayeeRicha ChadhaNawazuddin Siddiqui
142	Udaan	Drama	2010	Vikramaditya Motwane	Vikramaditya MotwaneRajat BarmaChachaRonit RoyManjot SinghJanson Statham
143	Paan Singh Tomar	Action, Biography, Crime	2012	Tigmanshu Dhulia	Tigmanshu DhuliaIrrfan KhanMahie GillRajesh AbhayKiran Basinger
145	Warrior	Action, Drama, Sport	2011	Gavin O'Connor	Gavin O'ConnorTom HardyNick NolteJoel EdgertonJon Voight
146	Shutter Island	Mystery, Thriller	2010	Martin Scorsese	Martin ScorseseLeonardo DiCaprioEmily MortimerMark RuffaloJames Woods
147	Up	Animation, Adventure, Comedy	2009	Pete Docter	Pete DocterBob PetersonEdward AsnerJordan NagaiKarisma Kapoor
148	The Wolf of Wall Street	Biography, Crime, Drama	2013	Martin Scorsese	Martin ScorseseLeonardo DiCaprioJonah HillMargot RobbieRichard Harris
149	Chak De! India	Drama, Family, Sport	2007	Shimit Amin	Shimit AminShah Rukh KhanVidya MalvadeSagarika GhateDenholm Elliott
150	There Will Be Blood	Drama	2007	Paul Thomas Anderson	Paul Thomas AndersonDaniel Day-LewisPaul DanoCiarán HindsHusaini Hasimovic
151	Pan's Labyrinth	Drama, Fantasy, War	2006	Guillermo del Toro	Guillermo del ToroIvo BákoraArrianda GilSergio LáinezPérezShigesato Itoi
152	Toys Story 3	Animation, Adventure, Comedy	2010	Lee Unkrich	Lee UnkrichTom HanksTim AllenJoan CusackReginald VelJohnson
153	V for Vendetta	Action, Drama, Sci-Fi	2005	James McTeigue	James McTeigueHugh JackmanNatalie PortmanRupert GravesDaisuke RyöA
156	Batman Begins	Action, Adventure	2005	Christopher Nolan	Christopher NolanChristian BaleMichael CaineKen WatanabeHalvan Bajátfark
157	Swades: We, the People	Drama	2004	Ashutosh Gowariker	Ashutosh GowarikerShah Rukh KhanGayatri JoshiKishori BallalHemant Sekka
158	Der Untergang	Biography, Drama, History	2004	Oliver Hirschbiegel	Oliver HirschbiegelBruno GanzAlexandra Maria LaralUlrich MatthesAjmad Khan
159	Hauru no ugoku shiro	Animation, Adventure, Family	2004	Hayao Miyazaki	Hayao MiyazakiChihiro BaishiTakao KimuraTatsuya GashawAñónEric Idle
160	A Beautiful Mind	Biography, Drama	2001	Ron Howard	Ron HowardRussell CroweEd HarrisJennifer ConnellyCharles Bronson
161	Hera Pheri	Action, Comedy, Crime	2000	Priyadarshan	PriyadarshanAkshay KumarSunil ShettyParekh RawalRosemary Murphy
163	L.A. Confidential	Crime, Drama, Mystery	1997	Curtis Hanson	Curtis HansonKevin SpaceyRussell CroweGena RowlandsDietrich
164	Eskiyá	Crime, Drama, Thriller	1996	Yavuz Turgul	Yavuz TurgulSener SezginYaakov LernerSermi HafizAmeriaj HafizGeorge Raft
165	Heat	Crime, Drama, Thriller	1995	Michael Mann	Michael MannAl PacinoRobert De NiroVal KilmerGunnar Björnstrand
166	Casino	Crime, Drama	1995	Martin Scorsese	Martin ScorseseRobert De NiroSharon StoneJoe PesciNils Popke
167	Andaz Apna Apna	Action, Comedy, Romance	1994	Rajkumar Santoshi	Rajkumar SantoshiAmir KhanSalman KhanRaveena TandonJanine Dancey
168	Unforgiven	Drama, Western	1992	Clint Eastwood	Clint EastwoodClint EastwoodDene HackmanMorgan FreemanJohn Williams
170	Dom za vesanje	Comedy, Crime, Drama	1988	Emir Kusturica	Emir KusturicaDavor DujmovićBora TodorovićJubica AdžovićTakashi Shimura
171	Tonari no Totoro	Animation, Family, Fantasy	1988	Hayao Miyazaki	Hayao MiyazakiHitoshi TakagiNoriko HidakaChika SakamotoCeleste Holm
173	Die Hard	Action, Thriller	1988	John McTiernan	John McTiernanBruce WillisRickmanBonnie BedeliaBruce Bennett
174	Ran	Action, Drama, War	1985	Akira Kurosawa	Akira KurosawaTatsuya NakadaiAkira IfukuboToshiro MifuneFelicity Brettart
175	Raging Bull	Biography, Drama, Sport	1980	Martin Scorsese	Martin ScorseseRobert De NiroCathy MoriartyJoe PesciHenry Bergman
175	Stalker	Drama, Sci-Fi	1979	Andrei Tarkovsky	Andrei TarkovskyAlisa FreindlichAleksandr KaidanovskiyAnatoly SolonitsynErwin Connelly
176	Háfræðisþónaten	Drama, Music	1978	Ingmar Bergman	Ingmar BergmanIngrid BergmanUlmannLeanna HeymanValerie Golino
177	The Message	Biography, Drama, History	1976	Moustapha Akkad	Moustapha AkkadAnthony QuinnIrene PapasMichael SeanAndrea Tariang
178	Sholay	Action, Adventure, Comedy	1975	Ramesh Sippy	Ramesh SippySanjeev KumarDhamendraAmitabh BachchanKishenKároly Orosz
180	The Great Escape	Adventure, Drama, History	1963	John Sturges	John SturgesSteve McQueenJames GarnerRichard AttenboroughMoore So-Ri
181	To Kill a Mockingbird	Crime, Drama	1962	Robert Mulligan	Robert MulliganGregory PeckJohn MegnaFrank OvertonPatrick Huard
182	YÁFa 'jínabfá'	Action, Drama, Thriller	1961	Akira Kurosawa	Akira KurosawaToshiro MifuneEiji Tsuburaya Yóno no Tatsuysa NakadaiKai Kay Menon
183	Judgment at Nuremberg	Drama, War	1961	Stanley Kramer	Stanley KramerSpencer TracyBurton LancasterRichard WidmarkBoyd Holbrook
184	Some Like It Hot	Comedy, Music, Romance	1959	Billy Wilder	Billy WilderMarilyn MonroeTony CurtisJack LemmonMontgomery Clift
185	Smultronstället	Drama, Romance	1957	Ingmar Bergman	Ingmar BergmanVictor SjöströmÅsa SjöströmAnderssonIngrid ThulinDiego Starosta
186	Det sjunde inseglet	Drama, Fantasy, History	1957	Ingmar Bergman	Ingmar BergmanVan dywidGunnar BjörnstrandBengt EkerotGraham Norton

FLOW CHART



CODE

I. Login.py

```
login.py > ...
1  import tkinter as tk
2  from tkinter import ttk
3  from user import *
4  from moviesDat import *
5
6
7  user="Admin"
8  pw="123"
9
10 usrP=UserPass()
11 usrs=[]
12 pswd=[]
13
14
15 for i in usrP:
16     usrs.append(i[0])
17     pswd.append(i[1])
18
19
20
21 def chkPW():
22     ue=(username_entry.get()).capitalize()
23     up=password_entry.get()
24
25     if(user==ue and pw==up):
26         root.destroy()
27         import Adm
28
29     elif(ue in usrs):
30         for i in range(0,len(usrs)):
31             if(usrs[i]==ue and pswd[i]==up):
32                 root.destroy()
33                 main(ue)
34                 break
35             else:
```

```
36     |     |     |     wrng = ttk.Label(root, text="Incorrect Password")
37     |     |     |     wrng.grid(column=0, row=2, sticky=tk.W, padx=5, pady=5)
38 else:
39     |     |     wrng = ttk.Label(root, text="Incorrect Password")
40     |     |     wrng.grid(column=0, row=2, sticky=tk.W, padx=5, pady=5)
41
42
43 # root window
44 root = tk.Tk()
45 root.geometry("300x130+550+300")
46 root.title('Login')
47 root.resizable(0, 0)
48
49 # configure the grid
50 root.columnconfigure(0, weight=1)
51 root.columnconfigure(1, weight=3)
52
53
54 # username
55 username_label = ttk.Label(root, text="Username:")
56 username_label.grid(column=0, row=0, sticky=tk.W, padx=5, pady=5)
57
58 username_entry = ttk.Entry(root)
59 username_entry.grid(column=1, row=0, sticky=tk.E, padx=5, pady=5)
60
61 # password
62 password_label = ttk.Label(root, text="Password:")
63 password_label.grid(column=0, row=1, sticky=tk.W, padx=5, pady=5)
64
65 password_entry = ttk.Entry(root, show="*")
66 password_entry.grid(column=1, row=1, sticky=tk.E, padx=5, pady=5)
67
68 # login button
69 login_button = ttk.Button(root, text="Login", command=chkPW)
70 login_button.grid(column=1, row=3, sticky=tk.E, padx=5, pady=5)
71
72 root.mainloop()
```

II. Admin.py

```
❶ Adm.py > ...
 1  import tkinter as tk
 2  from tkinter import ttk
 3  from tkinter.messagebox import askyesno
 4  from tkinter import messagebox
 5  from moviesDat import *
 6
 7
 8  def addUser():
 9      root1=tk.Tk()
10      root1.title("Add User")
11      root1.geometry("300x200")
12      root1.resizable(False,False)
13
14      user = ttk.Label(root1, text="Username:")
15      user.place(x=10,y=10)
16
17      uE=ttk.Entry(root1)
18      uE.place(x=70,y=10)
19
20      eml = ttk.Label(root1, text="Email:")
21      eml.place(x=10,y=40)
22
23      uel=ttk.Entry(root1)
24      uel.place(x=70,y=40)
25
26      userPswd = ttk.Label(root1, text="Password:")
27      userPswd.place(x=10,y=70)
28
29      uP=ttk.Entry(root1)
30      uP.place(x=70,y=70)
31
32
33      AU=tk.Button(root1, text="ADD User ", command= lambda: [addU(uE.get(),uel.get(),uP.get()), root1.destroy(),treeL()])
34      AU.place(x=105,y=105, width=100, height=40)
35
36
37      root1.mainloop()
38
39  def addMovie():
40      root1=tk.Tk()
41      root1.title("add movie")
42      root1.geometry("300x200")
43      root1.resizable(False,False)
44
45      label_title = tk.Label(root1, text="Title:")
46      label_genre = tk.Label(root1, text="Genre:")
47      label_release_year = tk.Label(root1, text="Release Year:")
48      label_director = tk.Label(root1, text="Director:")
49      label_cast = tk.Label(root1, text="Cast:")
50
51      entry_title = tk.Entry(root1)
52      entry_genre = tk.Entry(root1)
53      entry_release_year = tk.Entry(root1)
54      entry_director = tk.Entry(root1)
55      entry_cast = tk.Entry(root1)
56
57
58      label_title.grid(row=0, column=0)
59      label_genre.grid(row=1, column=0)
60      label_release_year.grid(row=2, column=0)
61      label_director.grid(row=3, column=0)
62      label_cast.grid(row=4, column=0)
63
```

```

63
64
65     entry_title.grid(row=0, column=1)
66     entry_genre.grid(row=1, column=1)
67     entry_release_year.grid(row=2, column=1)
68     entry_director.grid(row=3, column=1)
69     entry_cast.grid(row=4, column=1)
70
71     AU=tk.Button(root1, text="Add Movie ", command= lambda: [addM(entry_title.get(),
72                                         entry_genre.get(),
73                                         entry_release_year.get(),
74                                         entry_director.get(),
75                                         entry_cast.get()), root1.destroy()])
76     AU.place(x=150,y=150, width=100, height=40)
77
78 def removeUser():
79     root1=tk.Tk()
80     root1.title("Remove User")
81     root1.geometry("300x200")
82     root1.resizable(False,False)
83
84     user = ttk.Label(root1, text="Username to Remove")
85     user.place(x=10,y=10)
86
87     uE=ttk.Entry(root1)
88     uE.place(x=150,y=10)
89
90     userPswd = ttk.Label(root1, text="ADMIN Password:")
91     userPswd.place(x=10,y=70)
92
93     uP=ttk.Entry(root1)
94     uP.place(x=150,y=70)
95
96     AU=tk.Button(root1, text="REMOVE User ", command= lambda: [remU(uE.get(),uP.get()), root1.destroy(),treeL()])
97     AU.place(x=120,y=115, width=100, height=40)
98
99
100 def treeL():
101     tree.delete(*tree.get_children())
102     for i in UserAll():
103         tree.insert("",tk.END,values=i)
104
105 def Log():
106     ans = askyesno(title='LogOut', message='Comfirm Log Out')
107     if ans:
108         root.destroy()
109         import login
110
111 root = tk.Tk()
112
113 #window Dimensions
114 root.geometry("600x400")
115 root.resizable(False,False)
116 root.title("ADMIN")
117
118 #Admin
119 label = tk.Label(
120     root,
121     text='Admin ',
122     font=("bahnschrift", 30))
123
124 label.grid(column=1, row=0, sticky=tk.N,padx=240,pady=0)

```

```
125
126 #Buttons
127 AU=tk.Button(root, text="Add User ", command=addUser)
128 AU.place(x=40,y=80,width=100, height=40)
129
130 AM=tk.Button(root, text="Add Movie", command=addMovie)
131 AM.place(x=180,y=80, width=100, height=40)
132
133 RU=tk.Button(root, text="Remove User ", command=removeUser)
134 RU.place(x=320,y=80, width=100, height=40)
135
136 SU=tk.Button(root, text="Log Out ", command=Log)# log out
137 SU.place(x=460,y=80, width=100, height=40)
138
139 #tree view
140 global tree
141 tree = ttk.Treeview(root, columns=("User","Email","password"), show='headings')
142 tree.place(x=0,y=150, width=600, height=250)
143
144 #Field names
145 tree.heading('User', text='User')
146 tree.heading('Email', text='Email')
147 tree.heading('password', text='password')
148
149 treeL()
150
151 root.mainloop()
```

III. User.py

```
❶ user.py > ...
 1  import tkinter as tk
 2  from tkinter import ttk
 3  from tkinter.messagebox import askyesno
 4  from moviesDat import *
 5  from tkinter import messagebox
 6
 7
 8  def Logn():
 9      ans = askyesno(title='LogOut', message='Comfirm Log Out')
10      if ans:
11          root.destroy()
12          import login
13
14  def showA():
15      lst= movies("*","*")
16      tree.delete(*tree.get_children())
17      for i in lst:
18          tree.insert("",tk.END,values=i)
19
20  def com(event):
21      global cat
22      cat=menu.get()
23
24  def Movies_lst():
25      global lst
26      try:
27          if(search_Entry.get() != ""):
28              lst= movies(cat,search_Entry.get())
29              print(cat,search_Entry.get())
30              tree.delete(*tree.get_children())
31              if(len(lst)!=0):
32                  for i in lst:
33                      tree.insert("",tk.END,values=i)
34              else:
35                  messagebox.showinfo("No Data Found","No Data Found \n Try searching something else")
36
37      else:
38          messagebox.showerror("Text field empty","Search Field Empty")
39
40  except NameError:
41      messagebox.showerror("Category not found","No Category Selected")
42
43
44  def Wsh_lst(usr):
45      id=Wsh_Entry.get()
46      if(len(id)!=0):
47          addWL(usr,id)
48      else:
49          messagebox.showerror("Wish list ","Field is Empty")
50
51
52  def treeEntry(usr):
53      tree1.delete(*tree1.get_children())
54      Wlst=getWL(usr)
55      for i in Wlst:
56          tree1.insert("",0,values=i)
57
--
```


IV. MoviesDat.py

```
.moviesDat.py > ...
1  import mysql.connector as mc
2  from tkinter import messagebox
3
4
5  con= mc.connect(host="localhost",user="root",passwd="root123",database="movies")
6  cur=con.cursor()
7
8  conA=mc.connect(host="localhost",user="root",passwd="root123",database="admin")
9  curA=conA.cursor()
10
11 pwd="123"
12
13
14 def movies(choice,val):
15     val+="%"
16     query = ""
17     try:
18         if choice == "Genre":
19             query = "SELECT * FROM movies WHERE genre LIKE %s"
20             cur.execute(query, ("%"+val,))
21
22         elif choice=="*":
23             query = "SELECT * FROM movies "
24             cur.execute(query)
25
26
27         elif choice == "Director":
28             query = "SELECT * FROM movies WHERE director LIKE %s"
29             cur.execute(query, (val,))
30
31         elif choice == "Cast":
32             query = "SELECT * FROM movies WHERE Maincast LIKE %s"
33             cur.execute(query, ("%"+val,))
34
35         elif choice == "Title":
36             query = "SELECT * FROM movies WHERE title LIKE %s"
37             cur.execute(query, (f'%{val}%',))
38
39         data = cur.fetchall()
40         return(data)
41
42     except:
43         print("Error")
44
45 def UserPass():
46     curA.execute("Select User, password from adminT")
47     return curA.fetchall()
48
49 def addU(usr,eml,pswd):
50     usr=str(usr)
51     usr=usr[0].upper()+usr[1:len(usr)]
52
53     curA.execute("Insert into AdminT values(%s ,%s,%s)",(usr,eml,pswd))
```

```

54     messagebox.showinfo("showinfo","USER added Succesfully")
55
56     usr+="wl"
57     curA.execute('''Create table {}(MovieID int Primary key, Title varchar(25),
58                           | Genre varchar(30), ReleaseYear int,director
59                           | varchar(25),MainCast varchar(255))'''.format(usr,))
60     conA.commit()
61
62 def remU(usr,pswd):
63     if(pswd==pwd):
64         curA.execute("delete from AdminT where user= %s",(usr,))
65         messagebox.showinfo("showinfo","USER Removed Succesfully")
66         usr+="wl"
67         curA.execute("Drop table {}".format(usr,))
68         conA.commit()
69     else:
70         messagebox.showerror("Password innorrect","Password innorrect")
71
72 def addM(title,genre,yr,dir,cst):
73     cur.execute("select count(movieId) from movies;")
74     id=cur.fetchone()[0]
75     id+=1
76     cur.execute("Insert into Movies values(%s ,%s,%s,%s,%s,%s)",(id,title,genre,yr,dir,cst))
77     messagebox.showinfo("showinfo","Movie added Succesfully")
78     con.commit()
79
80 def addWL(usr,id):
81     try:
82         usr+="WL"
83         cur.execute("Select * from movies where movieid={}".format(id))
84         dat=cur.fetchone()
85         a,b,c,d,e,f=dat
86         str(d)
87         str(e)
88         str(f)
89
90         if(len(b)!=0):
91             curA.execute("Insert into {} values('{}','{}','{}','{}','{}','{}')".format(usr,a,b,c,d,e,f))
92             conA.commit()
93             messagebox.showinfo("showinfo"," added to Wish list")
94     except:
95         messagebox.showerror("Error"," ID Missmatch")
96
97 def remWL(usr,id):
98     usr+="wl"
99     curA.execute("select movieid from {}".format(usr))
100    dat=curA.fetchall()
101    ids=[]
102    for i in dat:
103        ids.append(i[0])
104        str(id)
105        print(id)
106        print(ids)
107
108    if(id in str(ids)):
109        print("hii")
110        curA.execute("delete from {} where movieid='{}'".format(usr,id))
111        conA.commit()
112        messagebox.showinfo("showinfo"," Removed from Wish list")

```

```
113     'else': -  
114         messagebox.showerror("Error", " Movie ID Missmatch ")  
115  
116     def getWL(usr):  
117         usr+="wl"  
118         curA.execute("Select * from {}".format(usr))  
119         dat=curA.fetchall()  
120         return dat  
121  
122  
123     def UserAll():  
124         curA.execute("Select * from adminT")  
125         return curA.fetchall()
```

PROGRAM DESCRIPTION:

1. Login.py:

The system initiates with the login page (login.py), where a graphical user interface (GUI) is created using tkinter, prompting users to input their credentials.

Upon entry, the program via. MoviesDat.py retrieves all relevant information from the databases regarding usernames and passwords.

On comparison, if the user is identified as an administrator, it executes admin.py. If the entered credentials align with the data in the database, the program executes User.py; otherwise it displays an error message for incorrect passwords.

2. Admin.py:

This program also a GUI grants the admin user special powers such as creating users removing users and adding movies to the database.

The admin page also shows the current number of users having access to the system.

3. User.py:

This GUI is the main Interface the user will be seeing after logging in into system. Here the user can perform various tasks such as searching movies based on different criteria selected by the a drop down menu i.e. Genre, director, cast and title.

If the user tries searching without entering respective data the program will show appropriate error messages.

If a user intends to save a movie title for later reference, they can do so using the Wishlist feature by inputting the movielD in the designated field. The Wishlist can be accessed with a simple click on the Wishlist button. Deletion of a movie from the Wishlist is done by entering the corresponding movielD in the specified field within the Wishlist Window.

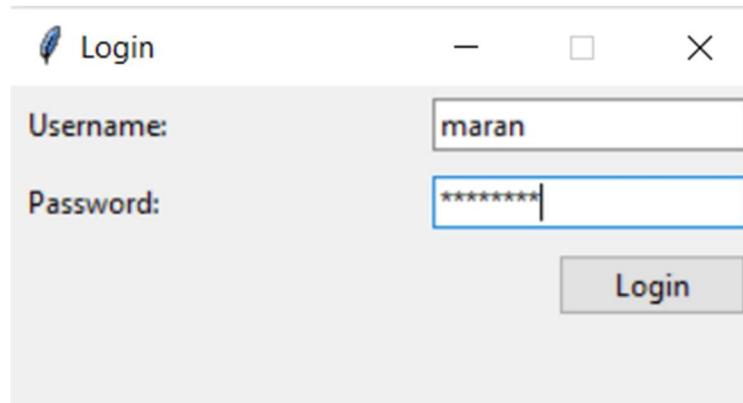
4. MoviesDat.py:

This program is the bridge between MySQL and python. It mainly contains user defined functions which can be called by other programs to retrieve, update and add data to the databases(Admin and Movies).

The program has two MySQL connection objects (curA and cur) for the two databases respectively.

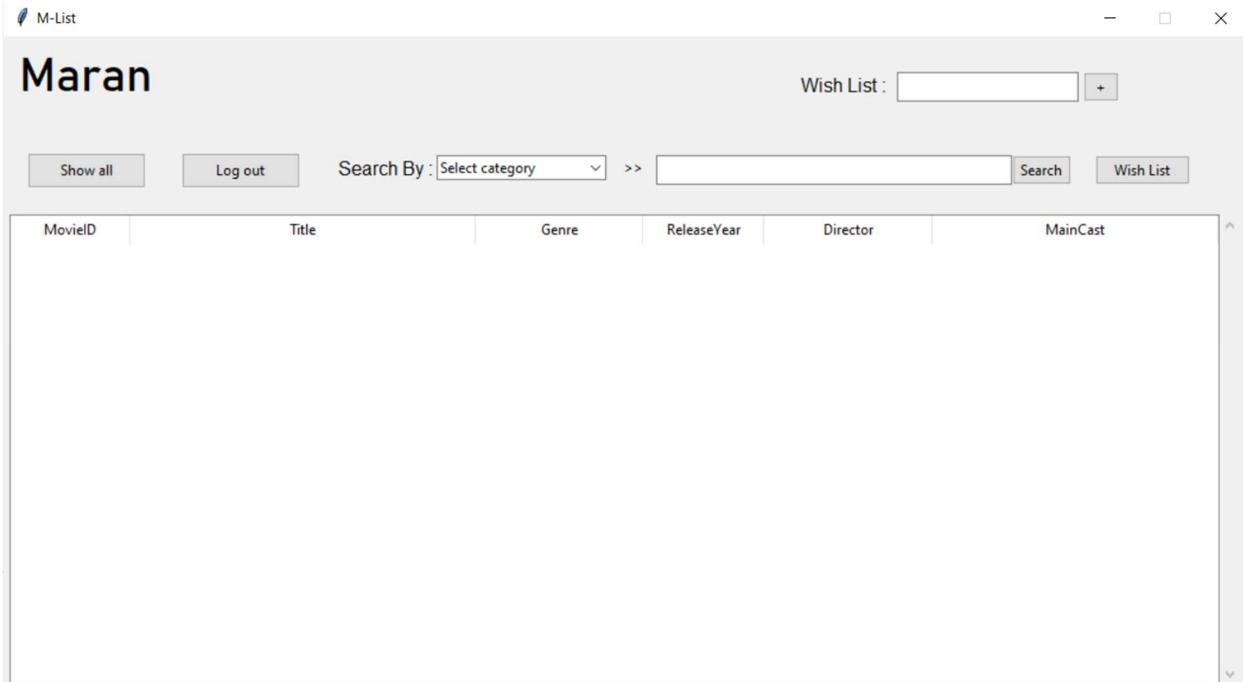
OUTPUT

Login page:

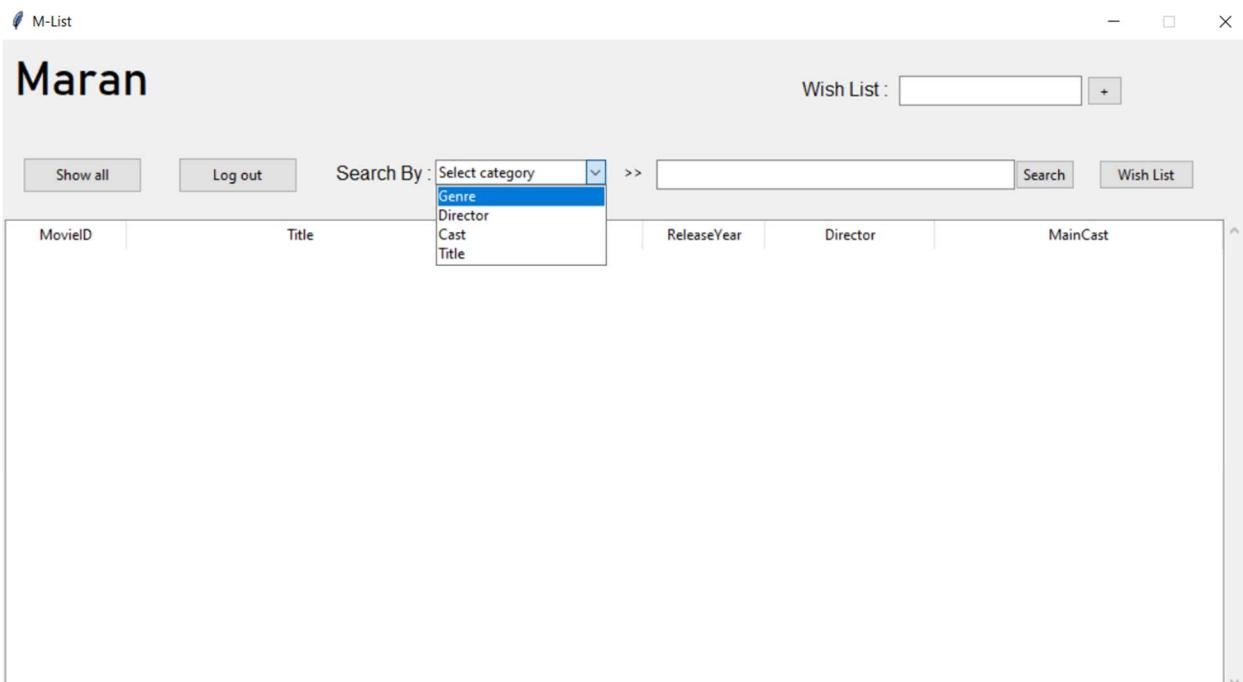


Here we are logging in as Maran

User Page:



On selecting the category menu



Upon choosing "Genre" as the category, entering "Action" in the entry field, and initiating the search by clicking the button.

The screenshot shows a Windows application window titled "M-List". The main title bar says "Maran". Below the title is a search bar with "Wish List : [] +". Underneath the search bar are buttons for "Show all", "Log out", "Search By : Genre", and "Search". The main content area displays a table of movie data. The columns are: MovieID, Title, Genre, ReleaseYear, Director, and MainCast. A dropdown menu under "Search By" is set to "Genre" and has a value of "action". The table lists numerous movies, including "The Dark Knight", "The Lord of the Rings: The Return of the King", "Inception", "The Matrix", "Star Wars: Episode V - The Empire Strikes Back", "Star Wars", "Seppuku", "Shichinin no samurai", "Gladiator", "LÃ©on", "Terminator 2: Judgment Day", "Vikram Vedha", "Dangal", "Spider-Man: Into the Spider-Verse", "Avengers: Endgame", and "Avengers: Infinity War".

MovieID	Title	Genre	ReleaseYear	Director	MainCast
3	The Dark Knight	Action, Crime, Drama	2008	Christopher Nolan	Christopher NolanChristian BaleHeath Ledger
6	The Lord of the Rings: The Return of the King	Action, Adventure, Dram	2003	Peter Jackson	Peter JacksonElijah WoodViggo Mortensen
9	Inception	Action, Adventure, Sci-Fi	2010	Christopher Nolan	Christopher NolanLeonardo DiCaprioJoseph
11	The Lord of the Rings: The Fellowship of the Ring	Action, Adventure, Dram	2001	Peter Jackson	Peter JacksonElijah WoodIan McKellenOrlan
14	The Lord of the Rings: The Two Towers	Action, Adventure, Dram	2002	Peter Jackson	Peter JacksonElijah WoodIan McKellenViggo
15	The Matrix	Action, Sci-Fi	1999	Lana Wachowski	Lana WachowskiKathy Keanu Reeves
17	Star Wars: Episode V - The Empire Strikes Back	Action, Adventure, Fanta	1980	Irrvin Kershner	Irrvin KershnerMark HamillHarrison FordCarrie
30	Star Wars	Action, Adventure, Fanta	1977	George Lucas	George LucasMark HamillHarrison FordCarrie
31	Seppuku	Action, Drama, Mystery	1962	Masaki Kobayashi	Masaki KobayashiTatsuya NakadaiAkira Ishii
32	Shichinin no samurai	Action, Adventure, Dram	1954	Akira Kurosawa	Akira KurosawaToshiro MifuneTakashi Sh
40	Gladiator	Action, Adventure, Dram	2000	Ridley Scott	Ridley ScottRussell CroweAquin PhoenixCo
43	LÃ©on	Action, Crime, Drama	1994	Luc Besson	Luc BessonJean RenoGary OldmanNatalie Po
45	Terminator 2: Judgment Day	Action, Sci-Fi	1991	James Cameron	James CameronArnold SchwarzeneggerLinda
56	Vikram Vedha	Action, Crime, Drama	2017	Gayatri	GayatriPushkarMadhavanVijay SethupathiVe
58	Dangal	Action, Biography, Dram	2016	Nitesh Tiwari	Nitesh TiwariAamir KhanSakshi TanwarFatima
59	Spider-Man: Into the Spider-Verse	Animation, Action, Adver	2018	Bob Persichetti	Bob PersichettiPeter RamseyRodney Rothm
60	Avengers: Endgame	Action, Adventure, Dram	2019	Anthony Russo	Anthony RussoJoe RussoRobert Downey Jr.C
61	Avengers: Infinity War	Action, Adventure, Sci-Fi	2018	Anthony Russo	Anthony RussoJoe RussoRobert Downey Jr.C

The user can add a movie to wish list by entering movieid in the designated field in top right corner(example 178)

This screenshot shows the same application interface as the previous one, but with a specific movie highlighted. The movie "Sholay" (MovieID 178) is selected, indicated by a blue background and white text. The rest of the table and interface remain identical to the first screenshot.

MovieID	Title	Genre	ReleaseYear	Director	MainCast
107	Aliens	Action, Adventure, Sci-Fi	1986	James Cameron	James CameronSigourney WeaverMichael Biehn
110	Star Wars: Episode VI - Return of the Jedi	Action, Adventure, Fanta	1983	Richard Marquand	Richard MarquandMark HamillHarrison FordCarrie Fisher
130	Uri: The Surgical Strike	Action, Drama, War	2018	Aditya Dhar	Aditya DharVicky KaushalParvesh RawalMohit
131	K.G.F: Chapter 1	Action, Drama	2018	Prashanth Neel	Prashanth NeelYashShrinidhi ShettyRamachar
135	Baahubali 2: The Conclusion	Action, Drama	2017	S.S. Rajamouli	S.S. RajamouliPrabhasRana DaggubatiAnush
141	Gangs of Wasseypur	Action, Comedy, Crime	2012	Anurag Kashyap	Anurag KashyapManoj BajpayeeRicha Chadha
143	Paan Singh Tomar	Action, Biography, Crime	2012	Tigmanshu Dhulia	Tigmanshu DhuliaIrrfan KhanMahie GillRajeswari Prasad
145	Warrior	Action, Drama, Sport	2011	Gavin O'Connor	Gavin O'ConnorTom HardyNick NolteJoel Edgerton
153	V for Vendetta	Action, Drama, Sci-Fi	2005	James McTeigue	James McTeigueHugo WeavingNatalie Portman
156	Batman Begins	Action, Adventure	2005	Christopher Nolan	Christopher NolanChristian BaleMichael Caine
161	Hera Pheri	Action, Comedy, Crime	2000	Priyadarshan	PriyadarshanAkshay KumarSunil ShettyParekh
162	Lock, Stock and Two Smoking Barrels	Action, Comedy, Crime	1998	Guy Ritchie	Guy RitchieJason FlemyngDexter FletcherNicolas Cage
167	Andaz Apna Apna	Action, Comedy, Roman	1994	Rajkumar Santoshi	Rajkumar SantoshiAamir KhanSalman Khan
169	Indiana Jones and the Last Crusade	Action, Adventure	1989	Steven Spielberg	Steven SpielbergHarrison FordSean Connery
172	Die Hard	Action, Thriller	1988	John McTiernan	John McTiernanBruce WillisAlan Rickman
173	Ran	Action, Drama, War	1985	Akira Kurosawa	Akira KurosawaTatsuya NakadaiAkira Terao
178	Sholay	Action, Adventure, Come	1975	Ramesh Sippy	Ramesh SippySanjeev KumarDharmendraAnupam Kher
182	Yâjñinbâjâ	Action, Drama, Thriller	1961	Akira Kurosawa	Akira KurosawaToshiro MifuneEiji Tsuburaya

After clicking the add button “+” the action is acknowledged

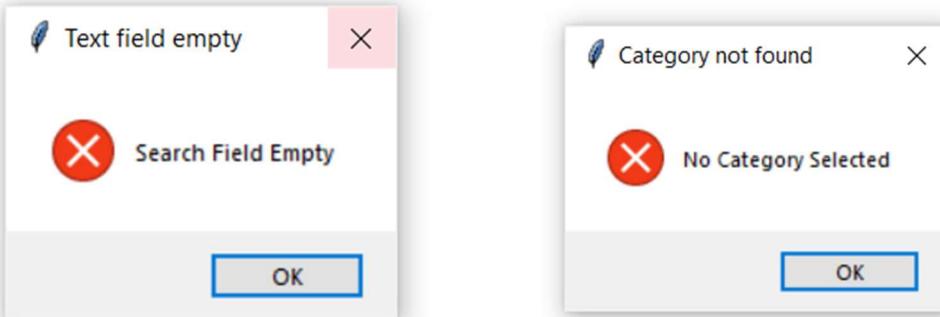
The screenshot shows a Windows application window titled "M-List". The main title bar says "Maran". In the top right corner, there is a "Wish List" button with a plus sign (+). Below it is a search bar labeled "Search By: Genre" and a "Search" button. A tooltip "added to Wish list" with an "OK" button is overlaid on the wish list button. The main content area is a table with columns: MovieID, Title, Genre, ReleaseYear, Director, and MainCast. The table lists various movies like Aliens, Star Wars: Episode VI - Return of the Jedi, Uri: The Surgical Strike, etc. The row for "Sholay" is selected. The "MainCast" column for "Sholay" lists James Cameron, Sigourney Weaver, Michael Biehn, Richard Marquand, Mark Hamill, Harrison Ford, Aditya Dhar, Vicky Kaushal, Paresh Rawal, Mohit Prashanth Neel, Yash Srinidhi Shetty, Ram Charan, S.S. Rajamouli, Prabhas, Rana Daggubati, Anush, Anurag Kashyap, Manoj Bajpayee, Richa Chadha, Tigmanshu Dhulia, Irfan Khan, Mahie Gill, Rajes, Gavin O'Connor, Tom Hardy, Nick Nolte, Joel Edgerton, James McTeigue, Hugo Weaving, Natalie Portman, Christopher Nolan, Christian Bale, Michael Caine, Priyadarshan, Akshay Kumar, Sunil Shetty, Pares, Guy Ritchie, Jason Flemyng, Dexter Fletcher, Nic, Rajkumar Santoshi, Aamir Khan, Salman Khan, Steven Spielberg, Harrison Ford, Sean Connery, John McTiernan, Bruce Willis, Alan Rickman, Akira Kurosawa, Tatsuya Nakadai, Akira Terao, Ramesh Sippy, Sanjeev Kumar, Dharmendra, Ar, Roger Allers, Rob Minkoff, Matthew Broderick, Ridley Scott, Russell Crowe, Joaquin Phoenix, and Christian Slater.

To view the Wishlist the user can click the Wish list button

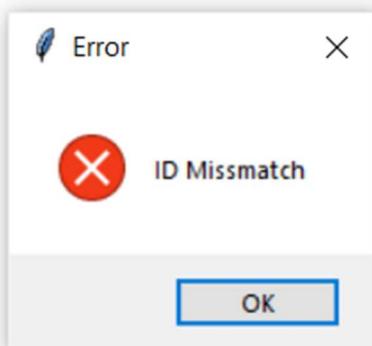
The screenshot shows a Windows application window titled "Wish List". The main title bar says "Maran Wish List". In the top right corner, there is a "Remove from Wishlist" button with a minus sign (-). The main content area is a table with columns: MovieID, Title, Genre, ReleaseYear, Director, and MainCast. The table lists three movies: "Sholay" (1975), "The Lion King" (1994), and "Gladiator" (2000).

To remove a movie from wish list the id can be entered in the top right field and the “-“ button to be clicked.

If the user tries searching without entering respective data the program will show appropriate error messages.

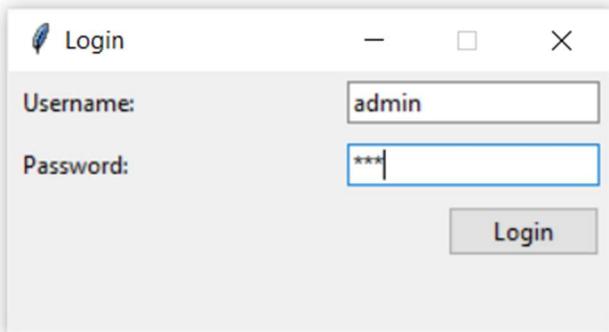


If the user tries adding movies to wish list with wrong id the program will also show appropriate error messages.



Admin Page:

The admin page is accessible by logging in as admin

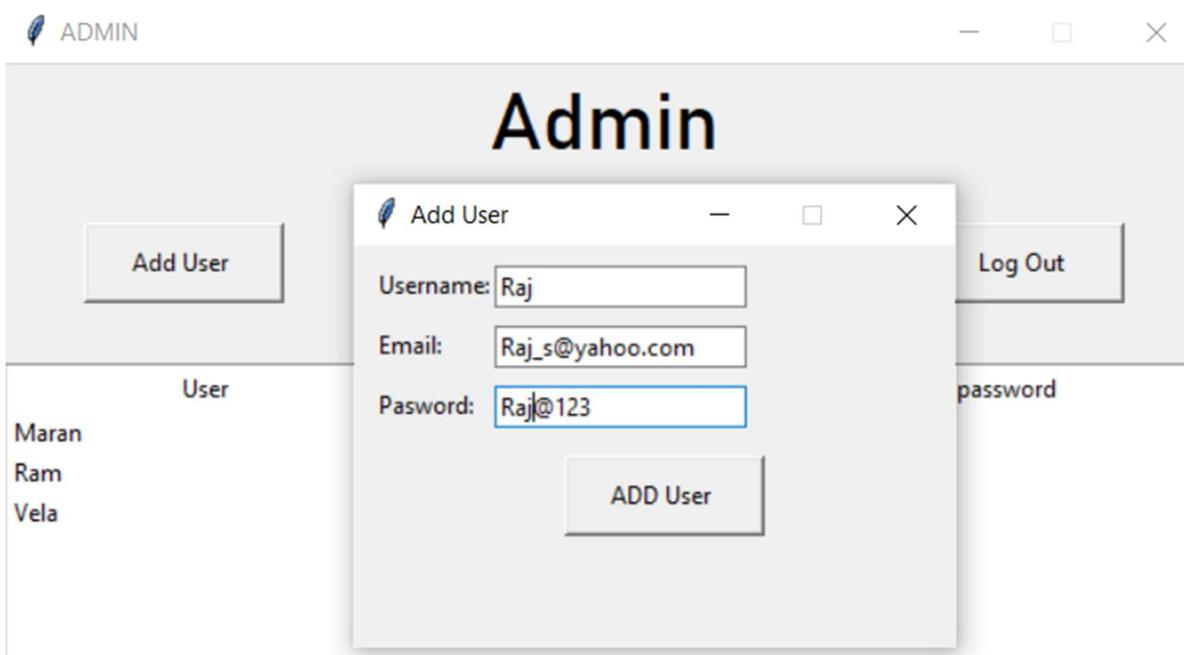


Admin Page

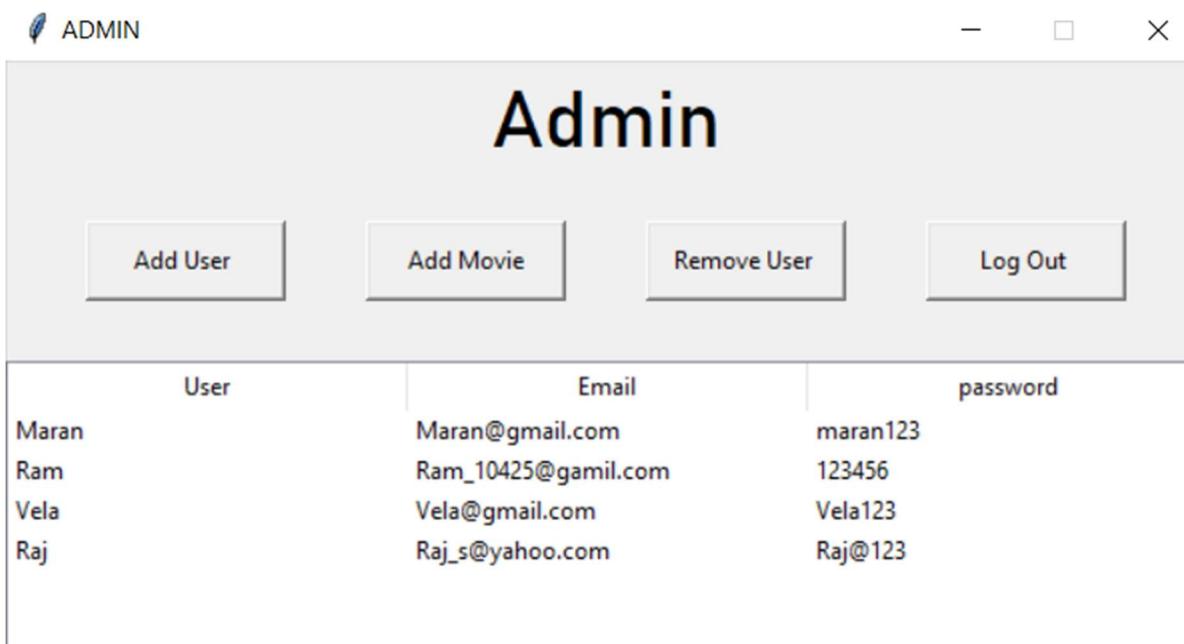
A screenshot of an "Admin" application window. The title bar says "ADMIN". The main area has a large "Admin" title. Below it are four buttons: "Add User", "Add Movie", "Remove User", and "Log Out". A table below shows user data:

User	Email	password
Maran	Maran@gmail.com	maran123
Ram	Ram_10425@gamil.com	123456
Vela	Vela@gmail.com	Vela123

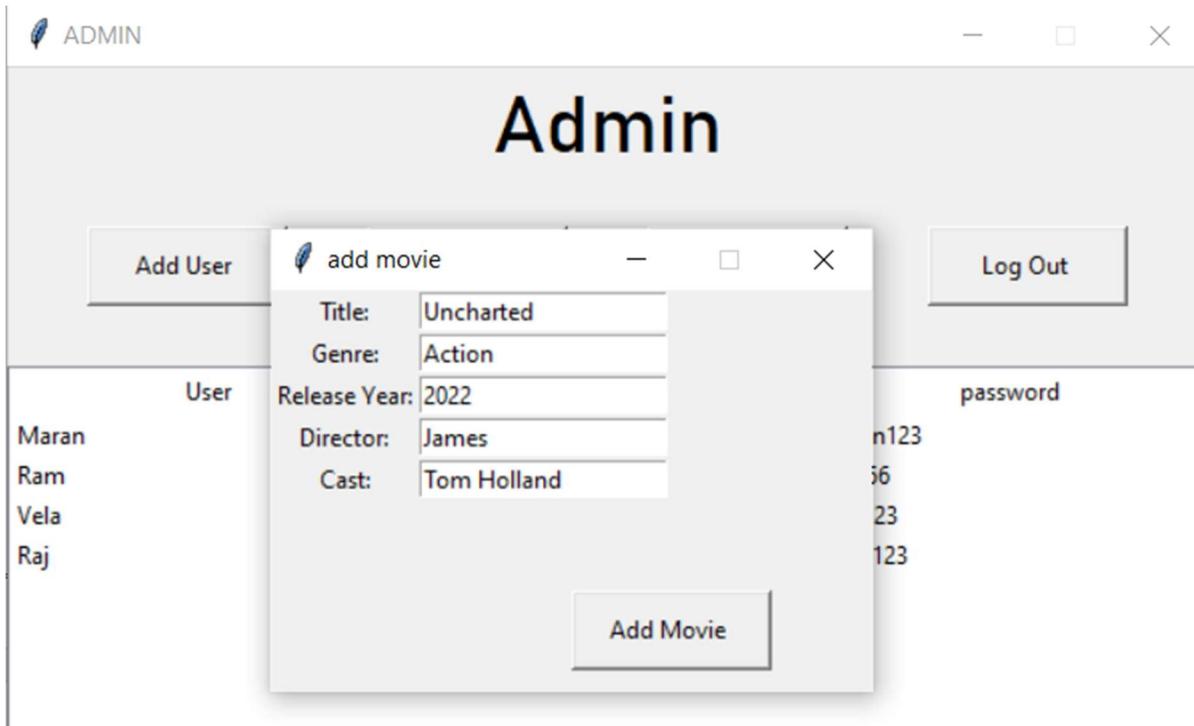
The admin can add users



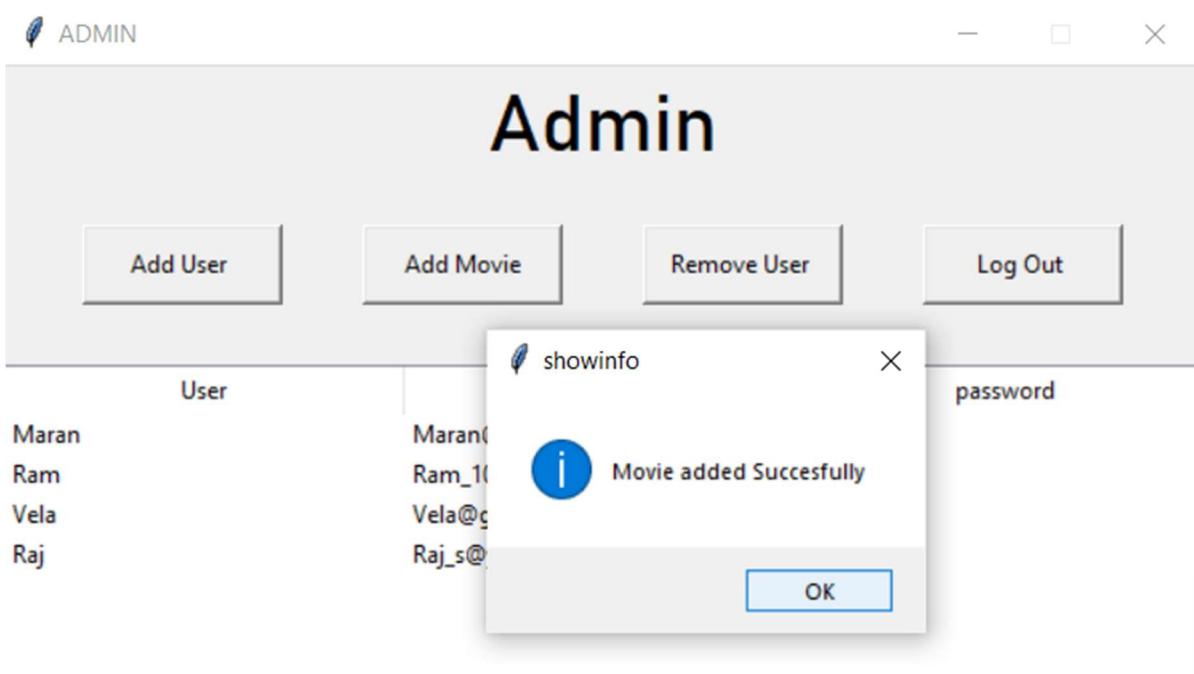
The list gets updated upon adding new user



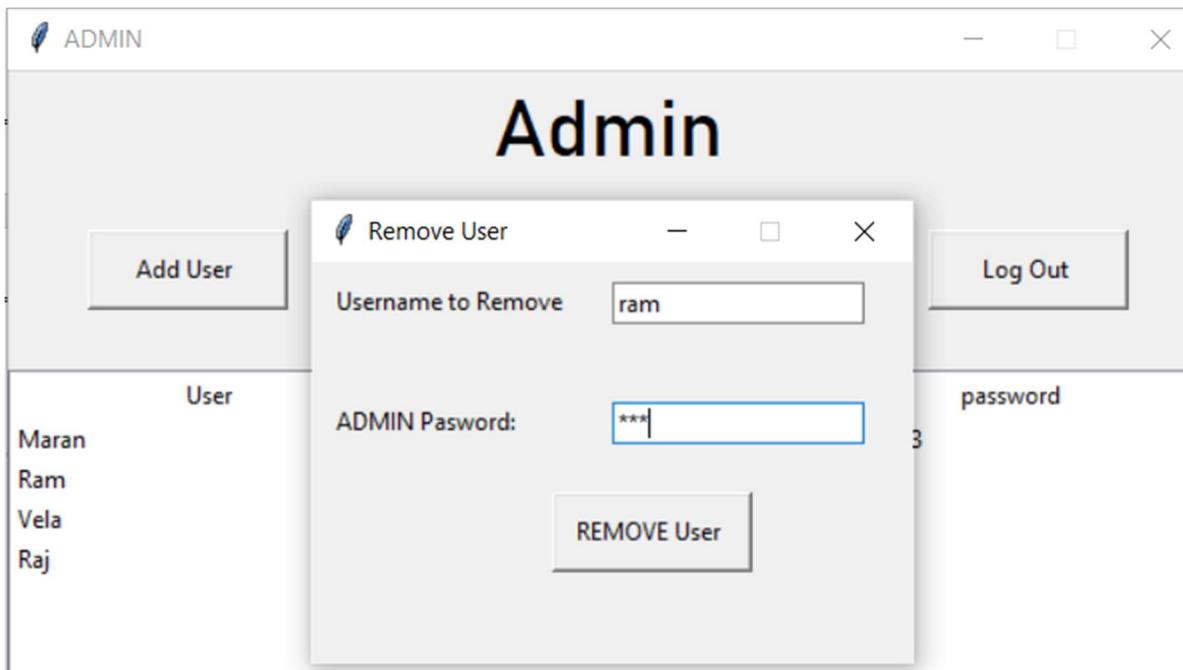
The admin can add Movies



After clicking add movie button **Note: all fields are to be filled**



The admin can also remove users



The table gets updated immediately after clicking remove user button

User	Email	password
Maran	Maran@gmail.com	maran123
Vela	Vela@gmail.com	Vela123
Raj	Raj_s@yahoo.com	Raj@123

The logout button in both user page and admin page brings the user back to the login page

CONCLUSION

In conclusion, the development of this movie recommendation system, powered by Python and MySQL with a user interface built using tkinter, represents a successful fusion of technology and user-centric design. The project demonstrates the effectiveness of integrating programming languages and database management systems to create a seamless and personalized movie recommendation experience.

Through Python's scripting capabilities, MySQL's robust data management, and tkinter's GUI functionalities, we've achieved a cohesive system that not only efficiently processes user preferences but also provides an interactive and visually appealing interface. This endeavor showcases the potential of leveraging technology to enhance user engagement and satisfaction in the realm of entertainment, emphasizing the significance of thoughtful integration for creating impactful and user-friendly applications.

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