DCDSL PROJECT AY 2024-25

Title of the Project:
Data-Driven Insights for BookMyShow

(Instance-Data)

Group Members:
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c_user

user_id	c_name	email	phone_number	DOB
US_1	Allison Hill	AllisonHill@gmail.com	8143513964	1978-10-06
US_2	Noah Rhodes	NoahRhodes@gmail.com	7685777775	1984-03-18
US_3	Angie Henderson	AngieHenderson@gmail.com	9661495954	1987-11-19
US_4	Daniel Wagner	DanielWagner@gmail.com	9377763055	1979-08-06
US_5	Cristian Santos	CristianSantos@gmail.com	7287422324	1968-11-01
US_6	Connie Lawrence	ConnieLawrence@gmail.com	8492142186	1989-08-12
US_7	Abigail Shaffer	AbigailShaffer@gmail.com	7948552741	1963-05-25
US_8	Gina Moore	GinaMoore@gmail.com	7580275116	1972-06-16
US_9	Gabrielle Davis	GabrielleDavis@gmail.com	8163948695	1999-01-11
US_10	Ryan Munoz	RyanMunoz@gmail.com	7718714954	1990-05-10
US_11	Monica Herrera	MonicaHerrera@gmail.com	9040149204	1989-02-20
US_12	Jamie Arnold	JamieArnold@gmail.com	8861145575	1959-05-29
US_13	Lisa Hensley	LisaHensley@gmail.com	9159038346	1973-02-05
US_14	Michele Williams	MicheleWilliams@gmail.com	8272820726	1991-06-16
US_15	Dylan Miller	DylanMiller@gmail.com	9450802487	1989-03-14
US_16	Brian Ramirez	BrianRamirez@gmail.com	9341522937	1989-09-03
US_17	Holly Wood	HollyWood@gmail.com	8343549331	1984-10-19
US_18	Derek Zuniga	DerekZuniga@gmail.com	7030838271	1977-12-15
US_19	Lisa Jackson	LisaJackson@gmail.com	7203520686	1965-12-03
US_20	Carla Gray	CarlaGray@gmail.com	9344412985	1967-06-30

movies

movie_id	title	genre	language	duration	rating	release_date
MV_1	Address clear	Sci-Fi	Kannada	118	6.6	2022-03-05
MV_2	Popular business	Comedy	Kannada	122	4.2	2022-03-28
MV_3	Determine amount art	Sci-Fi	Bengali	130	5.1	2018-09-09
MV_4	East	Thriller	Malayalam	98	5.3	2009-07-12
MV_5	Ready road establish	Romance	Kannada	171	8.8	2010-01-12

MV_6	While institution	Comedy	Tamil	137	8.2	2003-04-05
MV_7	Arm country her	Romance	Hindi	180	7.9	2003-05-28
MV_8	Night mind	Romance	Hindi	97	8	2022-08-15
MV_9	Miss bit	Drama	English	111	4.8	2002-06-17
MV_10	After there quickly matter	Romance	Hindi	130	4.3	2013-08-27
MV_11	Wait win story	Thriller	English	106	7.2	2010-06-13
MV_12	Parent might thank child	Romance	Hindi	156	4.2	2022-12-27
MV_13	Important true	Action	English	137	8.1	2013-04-28
MV_14	Exactly turn traditional	Comedy	Malayalam	128	4.6	2010-10-18
MV_15	Day prevent	Comedy	English	144	8.3	2002-02-03
MV_16	Far sea scientist	Horror	Tamil	103	3.3	2021-01-13
MV_17	Seem personal	Horror	Bengali	120	5.3	2021-11-24
MV_18	Note house	Sci-Fi	English	90	3.9	2014-10-11
MV_19	Term read	Romance	Bengali	159	5.4	2016-11-09
MV_20	Speak future west	Romance	Tamil	149	6	2022-12-29

theatres

theater_id	name	location	city	state
TH_1	PVR Cinemas	Mangalore 101	Mangalore	Karnataka
TH_2	Carnival Cinemas	Nagpur 247	Nagpur	Maharashtra
TH_3	Cinepolis	Rajkot 160	Rajkot	Gujarat
TH_4	Wave Cinemas	Ajmer 379	Ajmer	Rajasthan
TH_5	Cinepolis	Jaipur 377	Jaipur	Rajasthan
TH_6	INOX	Bhagalpur 228	Bhagalpur	Bihar
TH_7	Cinepolis	Gaya 94	Gaya	Bihar
TH_8	Miraj Cinemas	Gaya 14	Gaya	Bihar
TH_9	Wave Cinemas	Bathinda 308	Bathinda	Punjab
TH_10	Carnival Cinemas	Jalandhar 301	Jalandhar	Punjab
TH_11	Cinepolis	Muzaffarpur 188	Muzaffarpur	Bihar
TH_12	Miraj Cinemas	Bhagalpur 456	Bhagalpur	Bihar

TH_13	Miraj Cinemas	Ujjain 296	Ujjain	Madhya Pradesh
TH_14	Wave Cinemas	Belgaum 2	Belgaum	Karnataka
TH_15	PVR Cinemas	Ludhiana 232	Ludhiana	Punjab
TH_16	PVR Cinemas	Howrah 244	Howrah	West Bengal
TH_17	PVR Cinemas	Mysore 142	Mysore	Karnataka
TH_18	Miraj Cinemas	Varanasi 142	Varanasi	Uttar Pradesh
TH_19	Wave Cinemas	Gaya 419	Gaya	Bihar
TH_20	Miraj Cinemas	Bathinda 451	Bathinda	Punjab

shows

show_id	show_date	start_time	price_per_ticket	available_seats
SH_1	2024-04-06	22:30:00	174.34	139
SH_2	2025-01-26	17:15:00	241.59	100
SH_3	2023-05-19	17:30:00	438.29	158
SH_4	2024-07-26	14:30:00	459.39	179
SH_5	2025-02-10	17:15:00	416.48	195
SH_6	2024-05-18	21:15:00	388.59	134
SH_7	2024-01-19	18:15:00	267.64	180
SH_8	2025-05-27	21:15:00	496.43	171
SH_9	2023-04-04	20:30:00	406.38	60
SH_10	2024-04-06	19:45:00	304.13	197
SH_11	2024-08-31	20:00:00	234.85	168
SH_12	2023-04-23	22:00:00	270.7	159
SH_13	2024-05-11	10:45:00	423.47	74
SH_14	2025-12-18	13:15:00	150.02	194
SH_15	2024-08-16	15:30:00	490.76	81
SH_16	2024-07-17	14:15:00	361.44	182
SH_17	2023-02-19	12:30:00	313.9	176
SH_18	2024-07-21	16:15:00	265.06	186
SH_19	2025-09-15	22:45:00	461.07	192
SH_20	2023-11-04	21:15:00	381.14	114

payments

payment_id	payment_method	payment_date	transaction_status
PMT_1	Credit Card	2025-07-26 19:40:18	Success
PMT_2	Debit Card	2024-05-31 11:52:49	Failed
PMT_3	Wallet	2025-06-05 22:58:22	Success
PMT_4	Wallet	2024-05-11 03:39:48	Success
PMT_5	Wallet	2024-09-21 04:57:45	Success
PMT_6	UPI	2024-03-19 02:24:22	Success
PMT_7	Net Banking	2024-09-30 23:31:54	Success
PMT_8	Net Banking	2024-03-05 10:28:18	Success
PMT_9	Debit Card	2025-08-20 12:17:27	Failed
PMT_10	Wallet	2025-12-28 13:57:17	Success
PMT_11	Net Banking	2025-12-28 06:16:26	Refunded
PMT_12	Debit Card	2025-07-23 10:01:53	Failed
PMT_13	Credit Card	2024-03-22 03:47:29	Success
PMT_14	Credit Card	2025-04-29 17:29:36	Success
PMT_15	Wallet	2024-08-04 04:52:44	Success
PMT_16	Debit Card	2025-01-26 08:35:18	Failed
PMT_17	Credit Card	2024-11-28 11:03:51	Success
PMT_18	UPI	2024-08-03 14:45:46	Success
PMT_19	Wallet	2025-02-22 06:28:14	Success
PMT_20	UPI	2025-11-10 21:33:50	Success

bookings

booking_id	booking_date	total_tickets	payment_status
BK_1	2025-07-26 19:40:18	2	Completed
BK_2	2024-05-31 11:52:49	1	Completed
BK_3	2025-06-05 22:58:22	2	Completed
BK_4	2024-05-11 03:39:48	1	Completed
BK_5	2024-09-21 04:57:45	1	Completed
BK_6	2024-03-19 02:24:22	2	Completed
BK_7	2024-09-30 23:31:54	4	Completed
BK_8	2024-03-05 10:28:18	2	Completed

BK_9	2025-08-20 12:17:27	4	Completed
BK_10	2025-12-28 13:57:17	1	Failed
BK_11	2025-12-28 06:16:26	4	Completed
BK_12	2025-07-23 10:01:53	4	Completed
BK_13	2024-03-22 03:47:29	4	Completed
BK_14	2025-04-29 17:29:36	2	Completed
BK_15	2024-08-04 04:52:44	1	Completed
BK_16	2025-01-26 08:35:18	3	Completed
BK_17	2024-11-28 11:03:51	1	Completed
BK_18	2024-08-03 14:45:46	2	Completed
BK_19	2025-02-22 06:28:14	1	Completed
BK_20	2025-11-10 21:33:50	3	Completed

screens

screen_id	screen_number	total_seats
SC_1	2	266
SC_2	7	276
SC_3	10	171
SC_4	6	216
SC_5	6	159
SC_6	4	169
SC_7	1	196
SC_8	1	163
SC_9	6	152
SC_10	2	161
SC_11	3	154
SC_12	6	169
SC_13	5	288
SC_14	9	239
SC_15	8	104
SC_16	6	286
SC_17	3	108
SC_18	9	272

SC_19	10	217
SC_20	6	181

reviews

review_id	user_id	movie_id	rating	review_text	review_date
REV_1	US_8392	MV_8805	1.2	Could be better.	2025-07-01 16:16:00
REV_2	US_9928	MV_1331	3.7	Could be better.	2024-10-30 15:30:27
REV_3	US_4495	MV_3210	2.2	Could be better.	2024-03-08 04:10:25
REV_4	US_1868	MV_2311	6.3	Great movie!	2024-05-13 10:00:49
REV_5	US_8470	MV_8712	5.2	Could be better.	2024-09-14 19:58:28
REV_6	US_467	MV_3174	8.3	Great movie!	2024-03-02 06:26:19
REV_7	US_9968	MV_3997	8.3	Great movie!	2025-07-21 20:32:01
REV_8	US_3759	MV_1429	6	Great movie!	2024-09-17 03:32:23
REV_9	US_3930	MV_4333	6.2	Great movie!	2025-03-15 00:03:30
REV_10	US_2201	MV_861	9	Great movie!	2025-05-21 04:23:30
REV_11	US_784	MV_2761	1.8	Great movie!	2025-06-07 02:09:39
REV_12	US_2832	MV_1582	9.8	Great movie!	2024-10-09 20:37:33
REV_13	US_7659	MV_7142	6.3	Could be better.	2024-01-11 21:07:53
REV_14	US_1915	MV_7888	9.8	Could be better.	2025-05-21 16:42:17
REV_15	US_3708	MV_736	2.3	Great movie!	2025-09-11 14:35:58
REV_16	US_3641	MV_9184	6.7	Could be better.	2024-08-07 13:46:06
REV_17	US_2808	MV_1209	4.3	Great movie!	2024-10-31 18:57:19
REV_18	US_9822	MV_5227	5.1	Great movie!	2024-10-24 21:34:20
REV_19	US_648	MV_2055	2.2	Could be better.	2024-10-22 05:42:00
REV_20	US_2590	MV_6451	3.1	Could be better.	2024-08-26 06:16:11

seats

seat_id	booking_id	screen_id	seat_number	seat_type	charges	status
ST_1	BK_9384	SC_666	B18	VIP	50	Available
ST_2	BK_8532	SC_631	E6	Regular	10	Booked
ST_3	BK_8387	SC_820	A8	Regular	10	Reserved
ST_4	BK_1547	SC_23	D19	Regular	10	Available

ST_5	BK_3569	SC_206	C10	VIP	50	Booked
ST_6	BK_3194	SC_293	B16	Regular	10	Available
ST_7	BK_9252	SC_720	A11	Premium	25	Available
ST_8	BK_6712	SC_720	A18	Premium	25	Available
ST_9	BK_3078	SC_504	A20	Premium	25	Booked
ST_10	BK_6810	SC_458	B9	Regular	10	Booked
ST_11	BK_9064	SC_734	D3	Regular	10	Booked
ST_12	BK_2081	SC_78	D8	Premium	25	Available
ST_13	BK_5194	SC_447	E19	Regular	10	Booked
ST_14	BK_6676	SC_786	D7	Premium	25	Booked
ST_15	BK_1453	SC_736	D12	Regular	10	Booked
ST_16	BK_1853	SC_594	E4	Regular	10	Reserved
ST_17	BK_7614	SC_575	A14	Regular	10	Booked
ST_18	BK_4019	SC_920	B6	Premium	25	Booked
ST_19	BK_3516	SC_778	C12	Premium	25	Available
ST_20	BK_6091	SC_345	D4	Premium	25	Booked

schedule

Schedule_id	show_id	movie_id	theater_id	screen_id
S_1	SH_1	MV_2044	TH_489	SC_148
S_2	SH_2	MV_7789	TH_291	SC_908
S_3	SH_3	MV_4143	TH_364	SC_195
S_4	SH_4	MV_905	TH_257	SC_303
S_5	SH_5	MV_1508	TH_288	SC_101
S_6	SH_6	MV_2162	TH_219	SC_36
S_7	SH_7	MV_571	TH_454	SC_663
S_8	SH_8	MV_5483	TH_214	SC_757
S_9	SH_9	MV_2040	TH_499	SC_512
S_10	SH_10	MV_859	TH_452	SC_699
S_11	SH_11	MV_6350	TH_451	SC_232
S_12	SH_12	MV_7365	TH_383	SC_588
S_13	SH_13	MV_7264	TH_401	SC_50
S_14	SH_14	MV_9537	TH_258	SC_622

S_15	SH_15	MV_7266	TH_307	SC_2
S_16	SH_16	MV_514	TH_358	SC_638
S_17	SH_17	MV_5416	TH_383	SC_212
S_18	SH_18	MV_3746	TH_99	SC_522
S_19	SH_19	MV_6995	TH_388	SC_111
S_20	SH_20	MV_4140	TH_50	SC_220

receipts

Reciept_id	booking_id	user_id	show_id	payment_id
R_1	BK_1	US_543	SH_6385	PMT_1
R_2	BK_2	US_2440	SH_217	PMT_2
R_3	BK_3	US_4022	SH_431	PMT_3
R_4	BK_4	US_393	SH_6573	PMT_4
R_5	BK_5	US_8593	SH_4680	PMT_5
R_6	BK_6	US_1987	SH_500	PMT_6
R_7	BK_7	US_9127	SH_8457	PMT_7
R_8	BK_8	US_5127	SH_6467	PMT_8
R_9	BK_9	US_5951	SH_365	PMT_9
R_10	BK_10	US_2851	SH_2314	PMT_10
R_11	BK_11	US_2505	SH_3671	PMT_11
R_12	BK_12	US_7550	SH_361	PMT_12
R_13	BK_13	US_737	SH_69	PMT_13
R_14	BK_14	US_1212	SH_934	PMT_14
R_15	BK_15	US_8432	SH_4698	PMT_15
R_16	BK_16	US_6809	SH_6881	PMT_16
R_17	BK_17	US_8428	SH_5468	PMT_17
R_18	BK_18	US_9226	SH_7940	PMT_18
R_19	BK_19	US_9018	SH_8416	PMT_19
R_20	BK_20	US_4929	SH_4449	PMT_20

Key Relationships

1. **Users**
    Primary Key: `user_id`
   Referenced By: `Reciepts` (`user_id`), `Reviews` (`user_id`)

2. **Movies**
   Primary Key: `movie_id`
   Referenced By: `Schedule` (`movie_id`), `Reviews` (`movie_id`)

3. **Theaters**
   Primary Key: `theater_id`
   Referenced By: `Screens` (`theater_id`), `Schedule` (`theater_id`)

4. **Screens**
   Primary Key: `screen_id` Foreign Keys: `theater_id Theaters`(`theater_id`)
   Referenced By: `Schedule` (`screen_id`), `Seats` (`screen_id`)

5. **Shows**
   Primary Key: `show_id`
   Referenced By: `Schedule` (`show_id`), `Reciepts` (`show_id`)

6. **Schedule**
   Primary Key: `schedule_id`
   Foreign Keys: `show_id` → `Shows`(`show_id`), `movie_id` → `Movies`(`movie_id`),
   `theater_id` → `Theaters`(`theater_id`), `screen_id` → `Screens`(`screen_id`)

7. **Bookings**
   Primary Key: `booking_id`
   Referenced By: `Seats` (`booking_id`), `Reciepts` (`booking_id`)

8. **Seats**
   Primary Key: `seat_id`
   Foreign Keys: `booking_id` → `Bookings`(`booking_id`), `screen_id` →
   `Screens`(`screen_id`)

9. **Payments**
   Primary Key: `payment_id`
   Referenced By: `Reciepts` (`payment_id`)

10. **Receipts**
    Primary Key: `reciept_id`
    Foreign Keys: `booking_id` → `Bookings`(`booking_id`), `user_id` →
    `c_user`(`user_id`), `show_id` → `Shows`(`show_id`), `payment_id` →
    `Payments`(`payment_id`)

11. **Reviews**
    Primary Key: `review_id`
    Foreign Keys: `user_id` → `c_user`(`user_id`), `movie_id` → `Movies`(`movie_id`)