

3.5 Data Dictionary

Users					
Key	Field Name	Data Type	Field Length	Constraint	Description
PK	u_id	INT	11	Primary Key, Auto Increment	Unique User ID
	u_name	VARCHAR	50	Not Null	User full name
	u_email	VARCHAR	50	Not Null, Unique	User email address
	u_pass	VARCHAR	20	Not Null	User password for login
	u_role	VARCHAR	20	Not Null	Role of the user (Admin or Customer)
	u_status	VARCHAR	20	Not Null	Account approval status (Pending/Approved)
	u_loyalty	VARCHAR	20	Not Null	User loyalty level (e.g., Bronze, Silver, Gold)

Movies Table					
Key	Field Name	Data Type	Field Length	Constraint	Description
PK	m_id	INT	11	Primary Key, Auto Increment	Unique Movie ID
	movie_name	VARCHAR	50	Not Null	Title of the movie
	genre	VARCHAR	50	Not Null	Movie genre
	showtime	DATETIME	--	Not Null	Scheduled date and time of the movie
	available	INT	5	Not Null	Number of available seats
	run_time	INT	5	Not Null	Duration of the movie in minutes

Booking Table					
Key	Field Name	Data Type	Field Length	Constraint	Description
PK	b_id	INT	11	Primary Key, Auto Increment	Unique Booking ID
FK	u_id	INT	11	Foreign Key (user_table.u_id)	Refers to the user who made the booking
FK	m_id	INT	11	Foreign Key (tbl_movies.m_id)	Refers to the booked movie
	seat_no	TEXT	10	Not Null	Seat number selected by the user
	booking_fee	INT	10	Not Null	Total payment or booking amount
	canceled	INT	1	Not Null	Indicates booking status (0 = Active, 1 = Canceled)

Transaction Table					
Key	Field Name	Data Type	Field Length	Constraint	Description
PK	t_id	INT	11	Primary Key, Auto Increment	Unique Transaction ID
FK	b_id	INT	11	Foreign Key (tbl_booking.b_id)	Refers to the booking related to this transaction
	booking_fee	INT	10	Not Null	Total payment amount for the booking
	payment_status	TEXT	50	Not Null	Status of payment (e.g., "Paid", "Not Yet Paid")
	payment_date	TEXT	50	Not Null	Date and time when the payment was made