**BookMyShow DataModelling Assignment**

Bookmyshow is a ticketing platform where you can book tickets for a movie show. The image attached represents that for a given theatre we can see the next 7 dates. As one chooses the date, we get list of all shows running in that theatre along with the show timings.

P1 - List down all the entities, their attributes and the table structures for the scenario mentioned in the previous slide. You also need to write the SQL queries required to create these tables along with few sample entries. Ensure the tables follow 1NF, 2NF, 3NF and BCNF rules.

P2 - Write a query to list down all the shows on a given date at a given theatre along with their respective show timings.

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Entity Type – Movie Ticketing Platform

Entity Value – Movie, Screens, Show, Seat

Attributes –

Movie – movie\_id, movie\_name, total\_time, Genres, director, producer, Cast, film\_ratings (U, U/A, A and S. )

Screens – Screen\_id, screen\_name, screen\_location

Show – Show\_timings, theatre\_name, date

Seats - Seat\_id, Seat\_category

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**SQL QUERY:**

CREATE TABLE Movie (

movie\_id INT NOT NULL AUTO\_INCREMENT,

movie\_name VARCHAR(50) NOT NULL,

total\_time FLOAT,

Genres VARCHAR(50),

director VARCHAR(50),

producer VARCHAR(50),

Casts VARCHAR(50),

film\_ratings VARCHAR(50),

PRIMARY KEY(movie\_id)

);

***INSERT:***

INSERT INTO Movie

(movie\_id, movie\_name, total\_time, Genres, director, producer, Casts, film\_ratings)

VALUES

(1, 'kisi ka bai kisi ka jaan', 2.30, 'Drama','XXX', 'YYY', 'Salman', 'UA')

UPDATE Movie

set total\_time = total\_time+0.30

WHERE movie\_id = 1;

select \* from Movie

DROP TABLE Movie