**P1 - Entities, Attributes, and Table Structures**

 **Theatre**

* **Attributes:**
  + theatre\_id (Primary Key)
  + theatre\_name
  + location

 **Movie**

* **Attributes:**
  + movie\_id (Primary Key)
  + movie\_name
  + language
  + format (e.g., 2D, 3D)
  + certification (e.g., UA)

 **Show**

* **Attributes:**
  + show\_id (Primary Key)
  + movie\_id (Foreign Key referencing Movie)
  + theatre\_id (Foreign Key referencing Theatre)
  + show\_date (Date)
  + show\_time (Time)
  + screen\_type (e.g., 4K, ATMOS)

 **Booking**

* **Attributes:**
  + booking\_id (Primary Key)
  + show\_id (Foreign Key referencing Show)
  + user\_id (Foreign Key referencing User)
  + num\_tickets
  + booking\_time (Time of booking)

 **User**

* **Attributes:**
  + user\_id (Primary Key)
  + user\_name
  + email

## Database Tables

The system is designed around the following main entities:

1. **Theatre**: Stores information about theatres.
2. **Movie**: Contains movie details.
3. **Show**: Defines shows that include movie timings at specific theatres.
4. **User**: Stores information about users who book tickets.
5. **Booking**: Records the booking information for shows.