

Movie Theatre ERD

| customers |                 |              |
|-----------|-----------------|--------------|
| PK        | customer_id     | SERIAL       |
| FK        | movie_id        | Integer      |
|           | first_name      | VARCHAR(100) |
|           | last_name       | VARCHAR(100) |
|           | customer_mobile | VARCHAR(100) |
|           | email           | VARCHAR(100) |

| movies |            |              |
|--------|------------|--------------|
| PK     | movie_id   | SERIAL       |
|        | director   | VARCHAR(100) |
|        | genre      | VARCHAR(100) |
|        | duration   | Integer      |
|        | movie_name | VARCHAR(100) |

| tickets |               |              |
|---------|---------------|--------------|
| PK      | ticket_id     | SERIAL       |
| FK      | customer_id   | Integer      |
| FK      | movie_id      | Integer      |
|         | seat_number   | VARCHAR(100) |
|         | screen_number | VARCHAR(100) |
|         | price         | Numeric(5,2) |

| concessions |            |         |
|-------------|------------|---------|
| PK          | product_id | SERIAL  |
|             | movie_id   | Integer |
| FK          | ticket_id  | Integer |

customer\_id has one or many relationship with the customer\_id of tickets table as one customer can have one or many tickets . Also the movie\_id has one to many relationship with the movie\_id of the movies table as one customer can watch many movies

movie\_id has one to many relationship with movie\_id of tickets table as one movie will have multiple tickets

tickets table has many to one relationship between customer\_id as many tickets can be purchased by a customer. Tickets table has many to one relationship with movie\_id of movie table as many tickets can be bought for one movie and not vice versa

ticket\_id has one to one relationship with tickets table as concessions are applied on per ticket basis