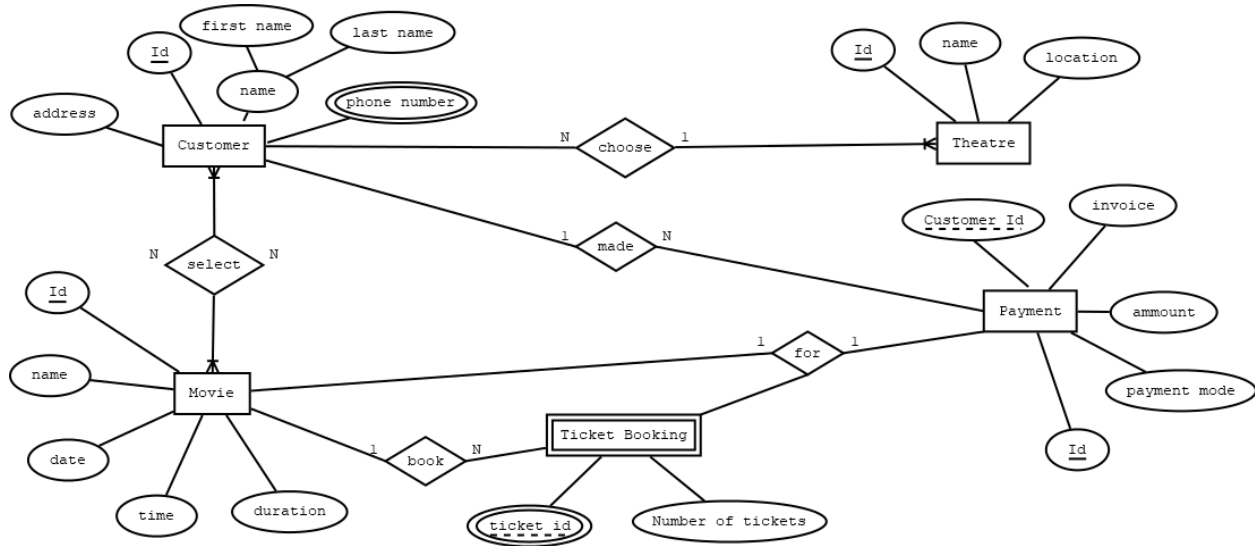


Conceptual Design

ER Diagram



Entities and Attributes:

1. User/Customer

- Customer ID: Primary Key
- Customer Name (composite attribute: first name and last name)
- Customer Phone Number(Contact Details): multi valued
- Customer Address

2. Payment

- Payment ID: Primary Key
- Customer ID: Foreign Key
- Amount
- Payment Mode

- e. Invoice (after a successful payment)

3. **Movie**

- a. Movie ID: Primary Key
- b. Movie Name (not null)
- c. Movie Date and Time
- d. Movie Duration

4. **Theatre**

- a. Theatre ID: Primary Key
- b. Theatre Name
- c. Theatre location

5. **Ticket Booking Application**

- a. Movie ID: Foreign key
- b. Customer ID: Foreign key
- c. Theatre ID: Foreign key
- d. Number of tickets (not null)
- e. Ticket number: multi valued (Since we already have an attribute named number of tickets, we will need this to be multi valued)

Relationships Included:

Customer chooses Theatre

Customer selects Movie

Payment is made for movie

Payment made by customer

Payment for movie

Entities:

CustomerTable(CustID: integer, FirstName: string, LastName: string, Address: string)

CustomerPhone(CustID:integer,PhoneNumber: number)

MovieTable1(MovieID: integer, MovieName:string, Duration:string)

MovieTable2(MovieID:integer, MovieDate:datetime, StartTime: string, EndTime:string)

TheatreTable(TheatreID:integer, TheatreName:string, Location:string)

TicketBookingTable(CustID:integer, TicketID:alphanumeric, SeatNo:string)

PaymentTable(PaymentID:alphanumeric, Amount:number, PaymentMode:string, Status:string)

Relationships:

Select(CustID:integer, MovieID:integer)

Book(MovieID:integer, TicketID:alphanumeric)

Choose(CustID:integer, Theatre ID:integer)

Made(CustID:integer, PaymentID:alphanumeric)

Fors(PaymentID:alphanumeric, TicketID:alphanumeric)