**Database Specification**

Database Management System: MySQL

Parent tables:

1. Customer:
2. Customer\_id(PK,VARCHAR(16))
3. Fname(VARCHAR(25))
4. Lname(VARCHAR(25))
5. DOB(DATE)
6. Phone\_number(CHAR(10))
7. Email(VARCHAR(50))
8. Username(VARCHAR(25))
9. Password(VARCHAR(50))
10. Theater\_Location:
11. Theater\_id(PK,VARCHAR(16))
12. Name(VARCHAR(25))
13. Address(VARCHAR(50))
14. State(CHAR(2))
15. Zip\_Code(CHAR(5))

Child tables:

1. Payment:
2. Transaction\_number(PK, VARCHAR(16))
3. Customer\_id(FK,VARCHAR(16))
4. Bank(VARCHAR(25))
5. Card\_number(VARCHAR(19))
6. Ticket\_id(FK,VARCHAR(16))
7. Tickets
8. Ticket\_id(PK,VARCHAR(16))
9. Movie\_name(VARCHAR(50))
10. Room\_number(FK,VARCHAR(3))
11. Movie\_rating(VARCHAR(5))
12. Date(DATE)
13. Showtime(TIME)
14. Theater\_id(FK, VARCHAR(16))
15. Showtimes
16. Theater\_id(FK,VARCHAR(16))
17. Seats\_available
18. Room\_number(PK,VARCHAR(3))
19. Seat\_number(VARCHAR(3))
20. Customer\_id(FK,VARCHAR(16))
21. Ticket\_id(FK,VARCHAR(16))
22. Theater\_id(FK,VARCHAR(16))
23. Seats\_remaining(VARCHAR(3))