ER Diagram — Cinema Ticket Booking System + Car Rental Service

Clean academic-style schema (PK/FK, 1:N and M:N relationships)

BRANCH
- branch_id PK
- name
- address
- phone

CUSTOMER
- customer_id PK
- first_name
- last_name
- email
- drivers_license

1:N branch→car

1:N customer→rental

CAR_MODEL
- model_id PK
- make
- model
- year
- category

EMPLOYEE
- employee_id PK
- branch_id FK
- manager_id FK
- name
- position

1:N model→car

1:N rental→payment

CAR
- car_id PK
- branch_id FK
- model_id FK
- registration_number
- status

RENTAL
- rental_id PK
- car_id FK
- customer_id FK
- employee_id FK
- start_date
- end_date
- payment_total

PAYMENT
- payment_id PK
- rental_id FK
- amount
- method
- payment_date

THEATER
- theater_id PK
- name
- address

1:N theater→hall

HALL
- hall_id PK
- theater_id FK
- name
- capacity

MOVIE
- movie_id PK
- title
- duration
- release_date
- rating

1:N movie→show

SHOW
- show_id PK
- movie_id FK
- hall_id FK
- show_time
- base_price

1:N show→ticket

TICKET
- ticket_id PK
- show_id FK
- seat_id FK
- visitor_id FK
- price
- status

GENRE
- genre_id PK
- name

M:N movie↔genre

MOVIE_GENRE
- movie_id FK
- genre_id FK

M:N link

1:N hall→seat

SEAT
- seat_id PK
- hall_id FK
- row
- number
- is_vip

VISITOR
- visitor_id PK
- name
- email