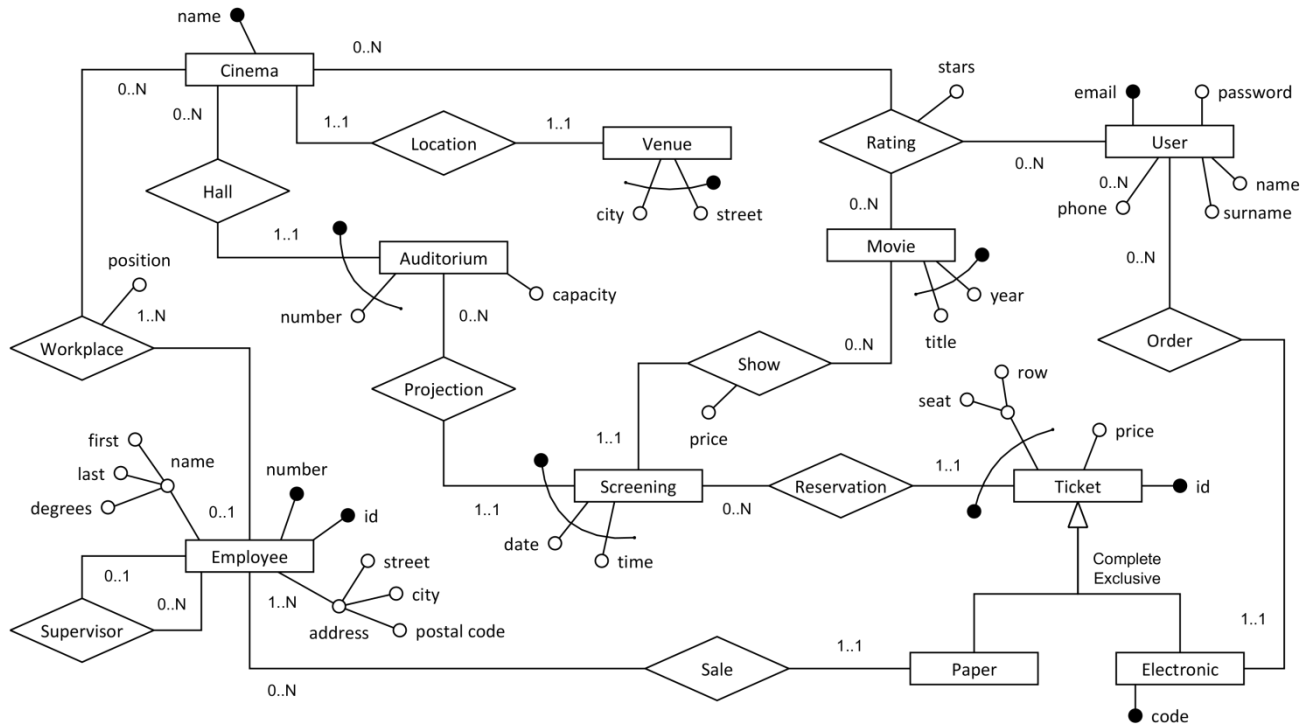


## 01: System



## 02: Cinema

**Cinema** (name)

## 03: Venue

Solution A

**Cinema** (name)

**Venue** (street, city)

**Location** (cinema, street, city)

FK: (cinema)  $\subseteq$  Cinema (name)

FK: (street, city)  $\subseteq$  Venue (street, city)

Solution B

**Cinema** (name, street, city)

---

## 04: Employee

Solution A

**Employee**(id, number)

**Name**(employee, first, last, degrees)

FK: (employee)  $\subseteq$  Employee(id)

**Address**(employee, street, city, postalCode)

FK: (employee)  $\subseteq$  Employee(id)

Solution B

**Employee**(id, number, first, last, degrees)

**Address**(employee, street, city, postalCode)

FK: (employee)  $\subseteq$  Employee(id)

---

## 05: Workplace

**Boss**(employee, superior)

FK: (employee)  $\subseteq$  Employee(id)

FK: (superior)  $\subseteq$  Employee(id)

**Workplace**(employee, cinema)

FK: (employee)  $\subseteq$  Employee(id)

FK: (cinema)  $\subseteq$  Cinema(name)

**Position**(employee, position)

FK: (employee)  $\subseteq$  Workplace(employee)

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## 06: Auditorium

**Auditorium**(number, cinema, capacity)

FK: (cinema)  $\subseteq$  Cinema(name)

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## 07: Screening

**Movie**(title, year)

**Screening**(date, time, auditorium, cinema, movie, year, price)

FK: (auditorium, cinema)  $\subseteq$  Auditorium(number, cinema)

FK: (movie, year)  $\subseteq$  Movie(title, year)

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## 08: Ticket

**Ticket**(id, seat, row, date, time, auditorium, cinema, price)

FK: (date, time, auditorium, cinema)  $\subseteq$  Screening(date, time, auditorium, cinema)

**PaperTicket**(id)

FK: (id)  $\subseteq$  Ticket(id)

**ElectronicTicket**(id, code)

FK: (id)  $\subseteq$  Ticket(id)

---

## 09: Purchase

**User**(email, password, name, surname)

**Phone**(user, phone)

FK: (user)  $\subseteq$  User(email)

**PaperTicket**(id, employee)

FK: (id)  $\subseteq$  Ticket(id)

FK: (employee)  $\subseteq$  Employee(id)

**ElectronicTicket**(id, code, user)

FK: (id)  $\subseteq$  Ticket(id)

FK: (user)  $\subseteq$  User(email)

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## 10: Rating

**Rating**(user, movie, year, cinema, stars)

FK: (user)  $\subseteq$  User(email)

FK: (movie, year)  $\subseteq$  Movie(title, year)

FK: (cinema)  $\subseteq$  Cinema(name)