

RELATIONSHIPS:

1. WORKS_IN 1:1 (Employees can not work in multiple areas normally)

- Employee ID (foreign key) (primary key)
- Location (foreign key) (primary key)
- Special event Location (attribute) (leave empty if not assigned to a special event)
- Number of hrs worked (attribute)

2. MANAGES 1:1 (a Manager can only manage one area in this interpretation)

- Employee ID (foreign key) (primary key)
- Location (foreign key) (primary key)
- Start of Manager Position Date (attribute) (Date or MM/DD/YYYY)

3. SUPERVISES 1:N (One supervisor to many subordinates)

- Employee Super ID (foreign key) (primary key)
- Employee Sub IDs (foreign key) (primary key)

4. EVENT_HELD, COLLECTIONS_HELD, FILM HELD, EXHIBITIONS HELD in M:1 (relating to events, collections, Exhibitions and Films)

- Location (foreign key) (primary key)
- Event or Films or Collection (foreign keys) (primary key)

5. CREATED (1:N regarding Artist to Item)

- Artist (foreign key) (primary key)
- Item name (foreign key) (primary key)

6. BUYS (M:N Regarding Customer to ticket)

- Customer (foreign key) (primary key)
- Ticket (foreign key) (primary key)

7. BUYS_MERCHANDISE (M:N Customer to Merchandise)

- Customer (foreign key) (primary key)
- Merchandise (foreign key) (primary key)

8. GRANTS_ACCESS (1:N Regarding Tickets to Exhibitions & Collections & Films)

- Tickets type (foreign key) (primary key) or Exhibitions or Collections depending as there are 3 of this type of relationship with the end entity being the only difference
- Location (foreign key) (primary key)

9. DIRECTED M:N (regarding Directors to Films)

- Directors (foreign key) (primary key)
- Films (foreign key) (primary key)

10. CAN_BE (1:1 regarding Customer to Members)

- Customer (foreign key) (primary key)
- Films (foreign key) (primary key)

11. SALES_RECORDED_IN 1:N (regarding merchandise to revenue)

- Merch Sales (foreign key) (primary key)
- Revenue.Merchandise sale (foreign key) (primary key)

12. SALES_RECORDED_IN 1:N (regarding tickets to revenue)

- Ticket Sales (foreign key) (primary key)
- Revenue.tickets (foreign key) (primary key)

13. CONSISTS_OF (1:N regarding Donations(Art) to Art)

- Donor Name (foreign key) (primary key)
- Item name (foreign key) (primary key)

14. PROCEEDINGS_GO_TO (1:N regarding donations to Revenue)

- Amount of Donation (foreign key) (primary key)
- Revenue.Donations (foreign key) (primary key)

15. CONTAINS 1:N (regarding Collections to Art)

- Collection (foreign key) (primary key)
- Item name (foreign key) (primary key)

16. LIMITED_SHOWING_OF 1:1 (regarding Exhibitions to Art)

- Exhibit name (foreign key) (primary key)
- Item name (foreign key) (primary key)

17. SALARY LOGGED (regarding Employee to Revenue) only
relationship missing from pic below

- Employee ID (foreign key) (primary key)
- Revenue.Employee_Pay (foreign key) (primary key)