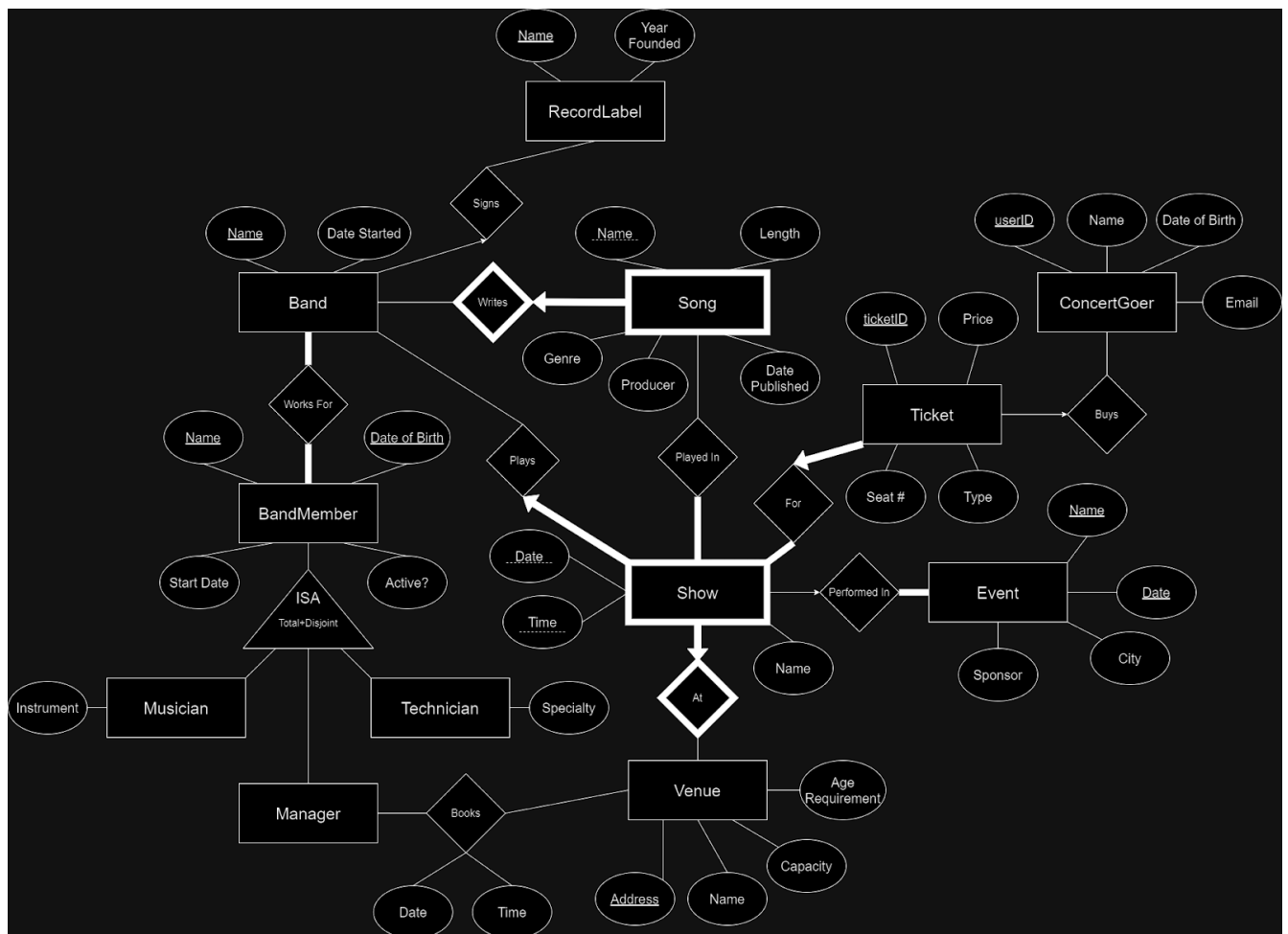


Summary

Our project aims to be a way for people interested in seeing bands perform to find performances that they would like to buy tickets for. For example, if someone is a fan of some band, they can use this application to look up upcoming shows by the band in their city, including information about venue, setlist, band members, etc. It also allows for potential performers to publish upcoming shows for concert goers to buy tickets for.

ER Diagram

Please zoom in if you need to!



Major Changes

- BandMember ISA has been overhauled. All types of musicians fall into one entity set, and a BandMember now need not be a musician. The ISA is now total + disjoint rather than overlap.
- Show now only has one parent entity, Venue. Show's PK is now (venueAddress, showDate, showTime).
- Removed RecordLabel DISTRIBUTES Song to simplify our project by removing redundancy, as RecordLabel can still be determined from the Song's Band.
- Venue has a new relationship, BOOKS, containing information about a venue booking that a manager of a band would make.
- Show PERFORMED IN Event is now a many-to-one relationship.

Minor Changes

- eventCity is no longer a part of Event's key.
- Tickets now contain information about the type of seat they are sold for (e.g. floor, lower-level, etc.).
- BandMembers may store the date they joined the band.
- WorksFor has a boolean field called active? that specifies if the BandMember in the relationship is active in its corresponding Band.
- Songs may have a producer listed.
- Shows now must have a name listed.
- ConcertGoer now must have an email

Schemas

Underlined attributes are Primary Keys

Bold attributes are Foreign Keys

Entities

Band(bandName, dateStarted, **recordLabelName**)

- recordLabelName references RecordLabel (may be null)
- dateStarted is DATE type
- All other attributes are strings

Song(songName, **bandName**, length, genre, producer, date)

- bandName references Band (not null - implied by being part of PK)
- length is not null
- date is DATE type
- All other attributes are strings

Show(**venueAddress**, showDate, showTime, showName, **bandName**, **eventName**, **eventDate**)

- bandName references Band (not null - participation constraint)
- venueAddress references Venue (not null - implied by being part of PK)
- eventName, eventDate references Event (may be null)
- showDate, eventDate are DATE types
- All other attributes are strings
 - showTime is length (00:00)

RecordLabel(recordLabelName, yearFounded)

- recordLabelName is string
- yearFounded is int > 0

BandMember(memberName, memberDOB, startDate)

- memberDOB, startDate is DATE type
- memberName is string

Musician(**memberName**, **memberDOB**, instrument)

- memberName, memberDOB references BandMember (not null - implied by being part of PK)
- instrument is string, not null (e.g. "guitar")

Manager(memberName, memberDOB)

- memberName, memberDOB references BandMember (not null - implied by being part of PK)

Technician(memberName, memberDOB, specialty)

- memberName, memberDOB references BandMember (not null - implied by being part of PK)
- specialty is string, not null (e.g. "audio")

Event(eventName, eventDate, city, sponsor)

- eventDate is DATE type
- city is not null
- All other attributes are strings

Venue(venueAddress, venueName, capacity, ageReq)

- venueName is not null
- Capacity is not null
- ageReq may be null (null implies no age requirement)
- venueAddress, venueName are strings
- capacity, ageReq are ints, both > 0

ConcertGoer(userID, goerName, email, dob)

- goerName is not null
- email is unique and not null
- dob is optional to include (including allows user access to age restricted shows)
- userID is int > 0
- goerName is string
- dob is DATE type

Ticket(ticketID, seatNum, price, type, **userID**, **venueAddress**, **showDate**, **showTime**)

- userID references ConcertGoer (may be null)
- venueAddress, showDate, showTime references Show (not null)
- seatNum, price, type are not null
- seatNum is a code (string) in the form "type + row + number"
 - E.g. a lower-level seat row 3 number 25 might be "L0325"
- ticketID, userID are strings

- price is floating point (two decimal places) ≥ 0.00
- showDate is DATE type
- All other attributes are strings
 - showTime is length 5 ("00:00")

Relations

WorksFor(memberName, memberDOB, bandName, active?)

- memberName, memberDOB references BandMember (not null - implied by being part of PK)
- bandName references Band (not null - implied by being part of PK)
- active? is one string character ("y"/"n")
- All other attributes are strings

Books(memberName, memberDOB, venueAddress, bookingDate, bookingTime)

- memberName, memberDOB references Manager (not null - implied by being part of PK)
- venueAddress references Venue (not null - implied by being part of PK)
- (venueAddress bookingDate, bookingTime) must be unique
 - Prevents overlapping bookings from different managers at the same venue
- All attributes are strings, except for memberDOB, bookingDate which is DATE

PlayedIn(songName, venueAddress, showDate, showTime)

- songName references Song (not null - implied by being part of PK)
- venueAddress, showDate, showTime references Show (not null - implied by being part of PK)
- All attributes are strings, except for showDate which is DATE

Functional Dependencies

Band

$\text{bandName} \rightarrow \text{dateStarted}$

$\text{bandName} \rightarrow \text{recordLabelName}$

Song

$\text{songName}, \text{bandName} \rightarrow \text{length}$

$\text{songName}, \text{bandName} \rightarrow \text{genre}$

$\text{songName}, \text{bandName} \rightarrow \text{producer}$

$\text{songName}, \text{bandName} \rightarrow \text{date}$

Show

$\text{venueAddress}, \text{showDate}, \text{showTime} \rightarrow \text{showName}$

$\text{venueAddress}, \text{showDate}, \text{showTime} \rightarrow \text{bandName}$

$\text{venueAddress}, \text{showDate}, \text{showTime} \rightarrow \text{eventName}$

$\text{venueAddress}, \text{showDate}, \text{showTime} \rightarrow \text{eventDate}$

RecordLabel

$\text{recordLabelName} \rightarrow \text{yearFounded}$

BandMember

$\text{memberName}, \text{memberDOB} \rightarrow \text{startDate}$

Musician

$\text{memberName}, \text{memberDOB} \rightarrow \text{instrument}$

Technician

$\text{memberName}, \text{memberDOB} \rightarrow \text{specialty}$

Event

$\text{eventName}, \text{eventDate} \rightarrow \text{sponsor}$

$\text{eventName}, \text{eventDate} \rightarrow \text{city}$

Venue

$\text{venueAddress} \rightarrow \text{venueName}$

$\text{venueAddress} \rightarrow \text{capacity}$

$\text{venueAddress} \rightarrow \text{ageReq}$

ConcertGoer

$\text{userID} \rightarrow \text{goerName}$

$\text{userID} \rightarrow \text{email}$

$\text{userID} \rightarrow \text{dob}$

Ticket

$\text{ticketID} \rightarrow \text{seatNum}$

$\text{ticketID} \rightarrow \text{price}$

$\text{ticketID} \rightarrow \text{type}$

$\text{ticketID} \rightarrow \text{userID}$

$\text{ticketID} \rightarrow \text{venueAddress}$

$\text{ticketID} \rightarrow \text{showDate}$

$\text{ticketID} \rightarrow \text{showTime}$

$\text{seatNum}, \text{venueAddress}, \text{showDate}, \text{showTime} \rightarrow \text{price}$

$\text{seatNum} \rightarrow \text{type}$

WorksFor

$\text{memberName}, \text{memberDOB}, \text{bandName} \rightarrow \text{active?}$

Books

$\text{memberName}, \text{memberDOB}, \text{venueAddress} \rightarrow \text{bookingDate}$

$\text{memberName}, \text{memberDOB}, \text{venueAddress} \rightarrow \text{bookingTime}$

Normalization

Our project has two FDs that violate BCNF and 3NF, found in the Ticket schema.

FDs:

- $\text{ticketID} \rightarrow \text{seatNum}, \text{price}, \text{type}, \text{userID}, \text{venueAddress}, \text{showDate}, \text{showTime}$
- $\text{seatNum}, \text{venueAddress}, \text{showDate}, \text{showTime} \rightarrow \text{price}, \text{type}$
- $\text{seatNum} \rightarrow \text{type}$

Closures:

- $[\text{ticketID}]^+ = \{\text{ticketID}, \text{seatNum}, \text{price}, \text{type}, \text{userID}, \text{venueAddress}, \text{showDate}, \text{showTime}\}$
- $[\text{seatNum}]^+ = \{\text{seatNum}, \text{type}\}$
- $[\text{seatNum}, \text{venueAddress}, \text{showDate}, \text{showTime}]^+ = \{\text{seatNum}, \text{venueAddress}, \text{showDate}, \text{showTime}, \text{price}\}$

Key is ticketID.

The FD $[\text{seatNum}, \text{venueAddress}, \text{showDate}, \text{showTime} \rightarrow \text{price}]$ violates BCNF, since the LHS is not a superkey. It also violates 3NF since price is not a part of the key (ticketID).

We decompose into two BCNF tables:

- TicketPrice(seatNum, venueAddress, showDate, showTime, price)
 - No violations
 - price is not null
 - venueAddress, showDate, showTime references Show (not null)
- TicketID(ticketID, seatNum, type, **userID**, **venueAddress**, **showDate**, **showTime**)
 - seatNum is not null
 - type is not null
 - userID references ConcertGoer (may be null)
 - venueAddress, showDate, showTime references Show (not null)

The FD $[\text{seatNum} \rightarrow \text{type}]$ violates BCNF in TicketID, so we will revise TicketID and add TicketType through another decomposition.

- TicketID(ticketID, seatNum, **userID**, **venueAddress**, **showDate**, **showTime**)

- No violations
- seatNum is not null
- userID references ConcertGoer (may be null)
- venueAddress, showDate, showTime references Show (not null)
- TicketType(seatNum, type)
 - No violations
 - type is not null

Final decomposition:

- TicketID(ticketID, seatNum, **userID**, **venueAddress**, **showDate**, **showTime**)
- TicketType(seatNum, type)
- TicketPrice(seatNum, **venueAddress**, **showDate**, **showTime**, price)

All other FDs are in BCNF, since all LHS are primary keys.

SQL DDL

Create Tables

```
CREATE TABLE Band (  
    bandName          VARCHAR    PRIMARY KEY,  
    dateStarted       DATE,  
    recordLabelName   VARCHAR,  
    FOREIGN KEY (recordLabelName) REFERENCES RecordLabel  
        ON DELETE SET NULL  
        ON UPDATE CASCADE  
);
```

```
CREATE TABLE Song (  
    songName          VARCHAR,  
    bandName          VARCHAR,  
    length            VARCHAR    NOT NULL,  
    genre             VARCHAR,  
    producer          VARCHAR,  
    date              DATE,  
    PRIMARY KEY (songName, bandName),  
    FOREIGN KEY (bandName) REFERENCES Band  
        ON DELETE CASCADE  
        ON UPDATE CASCADE  
);
```

```
CREATE TABLE Show (  
    venueAddress      VARCHAR,  
    showDate          DATE,  
    showTime          CHAR(5),  
    showName          VARCHAR,  
    bandName          VARCHAR    NOT NULL,
```

```

eventName          VARCHAR,
eventDate           DATE,
PRIMARY KEY (venueAddress, showDate, showTime),
FOREIGN KEY (venueAddress) REFERENCES Venue
    ON DELETE CASCADE
    ON UPDATE CASCADE,
FOREIGN KEY (bandName) REFERENCES Band
    ON DELETE CASCADE
    ON UPDATE CASCADE,
FOREIGN KEY (eventName, eventDate) REFERENCES Event
    ON DELETE SET NULL
    ON UPDATE CASCADE
);

```

```

CREATE TABLE RecordLabel (
    recordLabelName    VARCHAR    PRIMARY KEY,
    yearFounded         INTEGER,
);

```

```

CREATE TABLE BandMember (
    memberName          VARCHAR,
    memberDOB            DATE,
    startDate            DATE,
    PRIMARY KEY (memberName, memberDOB)
);

```

```

CREATE TABLE Musician (
    memberName          VARCHAR,
    memberDOB            DATE,
    instrument           VARCHAR    NOT NULL,
    PRIMARY KEY (memberName, memberDOB),
);

```

```
FOREIGN KEY (memberName, memberDOB) REFERENCES BandMember
ON DELETE CASCADE
ON UPDATE CASCADE
);
```

```
CREATE TABLE Manager (
    memberName          VARCHAR,
    memberDOB           DATE,
    PRIMARY KEY (memberName, memberDOB)
    FOREIGN KEY (memberName, memberDOB) REFERENCES BandMember
    ON DELETE CASCADE
    ON UPDATE CASCADE
);
```

```
CREATE TABLE Technician (
    memberName          VARCHAR,
    memberDOB           DATE,
    specialty           VARCHAR NOT NULL,
    PRIMARY KEY (memberName, memberDOB)
    FOREIGN KEY (memberName, memberDOB) REFERENCES BandMember
    ON DELETE CASCADE
    ON UPDATE CASCADE
);
```

```
CREATE TABLE Event (
    eventName           VARCHAR,
    eventDate           DATE,
    city                VARCHAR NOT NULL,
    sponsor             VARCHAR,
    PRIMARY KEY (eventName, eventDate)
);
```

```

CREATE TABLE Venue (
    venueAddress    VARCHAR    PRIMARY KEY,
    venueName       VARCHAR    NOT NULL,
    capacity        INTEGER    NOT NULL,
    ageReq          INTEGER,
);

```

```

CREATE TABLE ConcertGoer (
    userID          INTEGER    PRIMARY KEY,
    goerName       VARCHAR    NOT NULL,
    email          VARCHAR    UNIQUE    NOT NULL,
    dob            DATE,
);

```

```

CREATE TABLE TicketID (
    ticketID        INTEGER    PRIMARY KEY,
    seatNum         VARCHAR    NOT NULL,
    userID          INTEGER,
    venueAddress    VARCHAR    NOT NULL,
    showDate        DATE      NOT NULL,
    showTime        CHAR(5)    NOT NULL,
    FOREIGN KEY (userID) REFERENCES ConcertGoer
        ON DELETE SET NULL
        ON UPDATE CASCADE,
    UNIQUE (seatNum, venueAddress, showDate, showTime)
);

```

```

CREATE TABLE TicketType (
    seatNum         CHAR(5)    PRIMARY KEY,
    type            VARCHAR    NOT NULL
);

```

);

```
CREATE TABLE TicketPrice (  
    seatNum          CHAR(5),  
    venueAddress     VARCHAR,  
    showDate         DATE,  
    showTime         CHAR(5),  
    price            REAL      NOT NULL,  
    PRIMARY KEY (seatNum, venueAddress, showDate, showTime),  
    FOREIGN KEY (venueAddress, showDate, showTime) REFERENCES Show  
        ON DELETE CASCADE  
        ON UPDATE CASCADE  
);
```

```
CREATE TABLE WorksFor (  
    memberName       VARCHAR,  
    memberDOB        DATE,  
    bandName         VARCHAR,  
    active?          CHAR(1)   NOT NULL,  
    PRIMARY KEY (memberName, memberDOB, bandName),  
    FOREIGN KEY (memberName, memberDOB) REFERENCES BandMember  
        ON DELETE CASCADE  
        ON UPDATE CASCADE  
    FOREIGN KEY (bandName) REFERENCES Band  
        ON DELETE CASCADE  
        ON UPDATE CASCADE  
);
```

```
CREATE TABLE Books (  
    memberName       VARCHAR,  
    memberDOB        DATE,
```

```

venueAddress      VARCHAR,
bookingDate       DATE      NOT NULL,
bookingTime       CHAR(5)   NOT NULL,
UNIQUE(venueAddress, bookingDate, bookingTime),
PRIMARY KEY (memberName, memberDOB, venueAddress),
FOREIGN KEY (memberName, memberDOB) REFERENCES Manager
    ON DELETE CASCADE
    ON UPDATE CASCADE
FOREIGN KEY (venueAddress) REFERENCES Venue
    ON DELETE CASCADE
    ON UPDATE CASCADE
);

CREATE TABLE PlayedIn (
    songName        VARCHAR,
    bandName        VARCHAR,
    venueAddress     VARCHAR,
    showDate        DATE,
    showTime        CHAR(5),
    PRIMARY KEY (songName, bandName, venueAddress, showDate, showTime),
    FOREIGN KEY (songName, bandName) REFERENCES Song
        ON DELETE CASCADE
        ON UPDATE CASCADE,
    FOREIGN KEY (venueAddress, showDate, showTime) REFERENCES Show
        ON DELETE CASCADE
        ON UPDATE CASCADE
);

```

Insert

INSERT INTO RecordLabel

VALUES ("RCA Records", 1900),
("Universal Music", 1940),
("Warner Records", 1950),
("Sony Music Entertainment", 1920),
("Atlantic Records", 2011)

INSERT INTO Band

VALUES ("Arctic Monkeys", 2006-02-10, "RCA Records"),
("Radiohead", 1996-02-11, "RCA Records"),
("Joji", 2005-07-02, "Universal Music"),
("Kiss", 1975-01-01, "Warner Records"),
("Super Cool Indie Band", 1920-04-05, NULL)

INSERT INTO Song

VALUES ("Do I Wanna Know?", "Arctic Monkeys", "4:34", "Indie Rock", "James Ford",
2013-06-19),
("505", "Arctic Monkeys", "4:13", "Indie Rock", NULL, 2007-04-23),
("Glimpse of Us", "Joji", "3:53", "Lo-fi", "Connor McDonough", 2022-06-10),
("Weird Fishes/Arpeggi", "Radiohead", "5:19", "Alternative Rock", "Nigel Godrich",
2007-10-10),
("Super Epic Song", "Super Cool Indie Band", "7:59", "Jazz", "Steve Steves",
1977-01-10)

INSERT INTO BandMember

VALUES ("Alex Turner", 1991-02-03, 2010-03-03),
("Matt Helders", 1971-04-03, 1993-01-03),
("Jamie Cook", 1952-03-03, 1981-02-03),
("Nick O'Malley", 1933-02-03, 1961-03-03),

("George Kusunoki", 1994-01-03, 2021-02-03).
("Thom Yorke", 1955-03-03, 1980-10-03),
("Jonny Greenwood", 1937-02-03, 1971-05-03),
("Colin Greenwood", 1991-01-03, NULL),
("Ed O'Brien", 1990-02-03, 2023-04-03),
("Philip Selway", 1970-04-03, 2022-02-03),
("John Manager", 1950-03-03, 1981-02-03),
("Tom Manager", 1930-02-03, 1991-02-03),
("Jim Manager", 1999-04-33, NULL),
("Tim Manager", 1888-12-19, NULL),
("Jeff Manager", 2003-02-01, NULL),
("Super Man", 1990-01-03, NULL),
("John Technician", 1971-03-02, 1991-02-03),
("John Technician", 1972-04-03, NULL),
("Jim Technician", 1998-11-11, NULL),
("Tom Technician", 1997-12-31, NULL),
("Tim Technician", 2001-09-11, 2018-02-02)

INSERT INTO Musician

VALUES ("Alex Turner", 1991-02-03, "Guitar"),
("Jonny Greenwood", 1937-02-03, "Keyboard"),
("Nick O'Malley", 1933-02-03, "Bass Guitar"),
("George Kusunoki", 1994-01-03, "Vocals"),
("Matt Helders", 1971-04-03, "Drums"),
("Super Man", 1990-01-03, "Alto Saxophone")

INSERT INTO Manager

VALUES("John Manager", 1950-03-03),
("Tom Manager", 1930-02-03),
("Jim Manager", 1999-04-33),
("Tim Manager", 1888-12-19),

("Jeff Manager", 2003-02-01)

INSERT INTO Technician

VALUES ("John Technician", 1971-03-02, "Lighting"),
("John Technician", 1972-04-03, "Audio"),
("Jim Technician", 1998-11-11, "Audio"),
("Tom Technician", 1997-12-31, "Camera"),
("Tim Technician", 2001-09-11, "Audio")

INSERT INTO Event

VALUES("Coachella", 2005-01-12, "Indio", "Coca-Cola"),
("Calgary Stampede", 2024-07-5, "Calgary", "Honda"),
("Lollapalooza", 2010-10-01, "Chicago", NULL),
("Winnipeg Folk Festival", 2015-12-04, "Winnipeg", "Red Bull"),
("Big Dog Festival", 2043-10-03, "Gotham City", "AWS")

INSERT INTO Venue

VALUES("231 Oak Rd, Vancouver, BC, Canada", "Smooth Grooves", 600, 21),
("5054 Rat Ave, New York City, NY, USA", "Rat Jam", 100, 1),
("12 Slop St, Calgary, AB, Canada", "The Big Cheese", 200, NULL),
("44 44th St, Toronto, ON, Canada", "Black Hole Guys", 60, 18),
("101 Real Rd, Chicago, IL, USA", "Real Ones", 40, 21)

INSERT INTO ConcertGoer

VALUES(1, "Kahn Sert", "iloveconcerts@gmail.com", 1990-01-03),
(2, "Micheal Joaquin", "mikejoaq@gmail.com", NULL),
(3, "Micheal Jackson", "123mjalive@gmail.com", 1995-04-30),
(4, "Kai Fakelastname", "kaikaifakelastname@gmail.com", NULL),
(5, "Name Five", "name5@gmail.com", 2000-10-03)

INSERT INTO TicketID

```
VALUES(1, "F1399", 1, "231 Oak Rd, Vancouver, BC, Canada", 2011-12-30, "18:00")
      (2, "B1298", 1, "5054 Rat Ave, New York City, NY, USA", 2011-12-30, "18:30")
      (3, "U3044", 2, "231 Oak Rd, Vancouver, BC, Canada", 2015-02-13, "20:00")
      (4, "L3401", 3, "44 44th St, Toronto, ON, Canada", 2018-03-31, "19:30")
      (5, "L1328", 4, "101 Real Rd, Chicago, IL, USA", 2023-12-30, "00:00")
```

```
INSERT INTO TicketType
```

```
VALUES("F1399", "Floor"),
      ("B1298", "Balcony"),
      ("U3044", "Upper"),
      ("L3401", "Lower"),
      ("L1328", "Lower")
```

```
INSERT INTO TicketPrice
```

```
VALUES ("F1399", "231 Oak Rd, Vancouver, BC, Canada", 2011-12-30, "18:00", 100.00),
      ("B1298", 1, "5054 Rat Ave, New York City, NY, USA", 2011-12-30, "18:30", 50.99),
      ("U3044", 2, "231 Oak Rd, Vancouver, BC, Canada", 2015-02-13, "20:00", 1200.53),
      ("L3401", 3, "44 44th St, Toronto, ON, Canada", 2018-03-31, "19:30", 7.98),
      ("L1328", 4, "101 Real Rd, Chicago, IL, USA", 2023-12-30, "00:00", 154.22)
```

```
INSERT INTO Show
```

```
VALUES("231 Oak Rd, Vancouver, BC, Canada", 2011-12-30, "18:00", NULL, "Arctic
Monkeys", "Coachella", 2005-01-12),
      ("5054 Rat Ave, New York City, NY, USA", 2011-12-30, "18:30", "The Rat Show",
"Super Cool Indie Band", NULL, NULL),
      ("231 Oak Rd, Vancouver, BC, Canada", 2015-02-13, "20:00", NULL, "Radiohead",
NULL, NULL),
      ("44 44th St, Toronto, ON, Canada", 2018-03-31, "19:30", NULL, "Joji", NULL, NULL),
      ("101 Real Rd, Chicago, IL, USA", 2023-12-30, "00:00", "Midnight Music", "Arctic
Monkeys", NULL, NULL)
```

INSERT INTO WorksFor

VALUES ("Alex Turner", 1991-02-03, "Arctic Monkeys", "y"),
("Matt Helders", 1971-04-03, "Arctic Monkeys", "y"),
("Jamie Cook", 1952-03-03, "Arctic Monkeys", "y"),
("Nick O'Malley", 1933-02-03, "Arctic Monkeys", "y"),
("George Kusunoki", 1994-01-03, "Joji", "y").
("Thom Yorke", 1955-03-03, "Radiohead", "y"),
("Jonny Greenwood", 1937-02-03, "Radiohead", "y"),
("Colin Greenwood", 1991-01-03, "Radiohead", "y"),
("Ed O'Brien", 1990-02-03, "Radiohead", "y"),
("Philip Selway", 1970-04-03, "Radiohead", "y"),
("John Manager", 1950-03-03, "Kiss", "n"),
("John Manager", 1950-03-03, "Arctic Monkeys", "y"),
("John Manager", 1950-03-03, "Joji", "y"),
("Tom Manager", 1930-02-03, "Radiohead", "y"),
("Jim Manager", 1999-04-33, "Super Cool Indie Band", "y"),
("Tim Manager", 1888-12-19, "Super Cool Indie Band", "y"),
("Jeff Manager", 2003-02-01, "Super Cool Indie Band", "y"),
("Super Man", 1990-01-03, "Super Cool Indie Band", "y"),
("John Technician", 1971-03-02, "Radiohead", "y"),
("John Technician", 1972-04-03, "Radiohead", "n"),
("Jim Technician", 1998-11-11, "Joji", "n"),
("Tom Technician", 1997-12-31, "Joji", "y"),
("Tim Technician", 2001-09-11, "Radiohead", "y")

INSERT INTO Books

VALUES ("John Manager", 1950-03-03, "231 Oak Rd, Vancouver, BC, Canada", 2011-12-30,
"18:00"),
("Jim Manager", 1999-04-33, "5054 Rat Ave, New York City, NY, USA", 2011-12-30,
"18:30"),

("Tom Manager", 1930-02-03, "231 Oak Rd, Vancouver, BC, Canada", 2015-02-13, "20:00"),
("John Manager", 1950-03-03, "44 44th St, Toronto, ON, Canada", 2018-03-31, "19:30"),
("John Manager", 1950-03-03, "101 Real Rd, Chicago, IL, USA", 2023-12-30, "00:00")

INSERT INTO PlayedIn

VALUES ("Do I Wanna Know?", "Arctic Monkeys", "231 Oak Rd, Vancouver, BC, Canada", 2011-12-30, "18:00"),

("Do I Wanna Know?", "Arctic Monkeys", "101 Real Rd, Chicago, IL, USA", 2023-12-30, "00:00"),

("Weird Fishes/Arpeggi", "Radiohead", "231 Oak Rd, Vancouver, BC, Canada", 2015-02-13, "20:00"),

("Super Epic Song", "Super Cool Indie Band", "5054 Rat Ave, New York City, NY, USA", 2011-12-30, "18:30"),

("Glimpse of Us", "Joi", "44 44th St, Toronto, ON, Canada", 2018-03-31, "19:30")