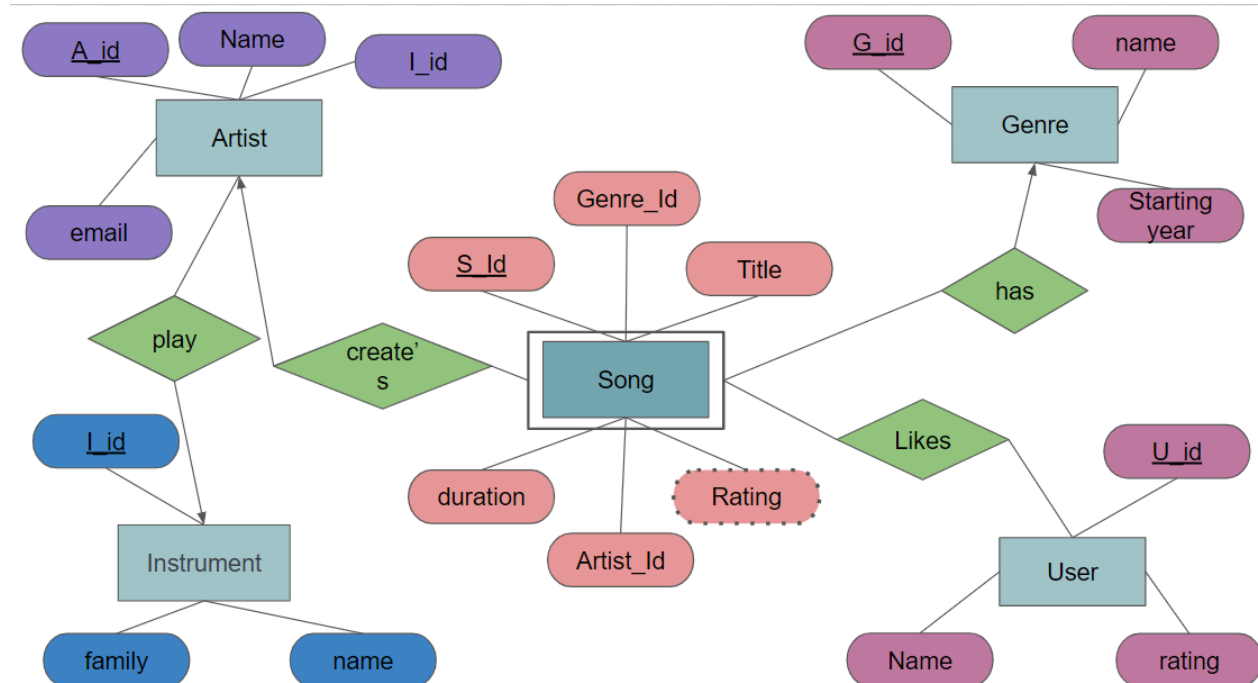


Music Database creation

Rajat Malviya

❖ ER model of Music Database



In this we have five different type of entity

Create database

```
CREATE DATABASE music_database;
```

1. Instrument Table

```
CREATE TABLE Instrument (  
    I_id INT PRIMARY KEY,  
    family VARCHAR(100),  
    name VARCHAR(100)  
);
```

```
INSERT INTO Instrument VALUES  
(1, 'String', 'Guitar'),  
(2, 'Percussion', 'Drums');
```

2. Artist Table

```
CREATE TABLE Artist (  
    A_id INT PRIMARY KEY,  
    Name VARCHAR(100),  
    email VARCHAR(100),  
    Instrument_id INT,  
    FOREIGN KEY (Instrument_id) REFERENCES Instrument(I_id)  
);
```

```
INSERT INTO Artist (A_id, Name, email, Instrument_id) VALUES  
(1, 'Arjit', 'arjit@music.com', 1),  
(2, 'Justin', 'justin@music.com', 1);
```

3. Genre Table

```
CREATE TABLE Genre (  
    G_id INT PRIMARY KEY,  
    name VARCHAR(100),  
    Starting_year INT  
);
```

```
INSERT INTO Genre VALUES  
(1, 'Rock', 1950),  
(2, 'Jazz', 1920);
```

4. Song Table

```
CREATE TABLE Song (  
    S_id INT PRIMARY KEY,  
    Title VARCHAR(100),  
    duration INT,  
    Artist_Id INT,  
    Genre_Id INT,  
    FOREIGN KEY (Artist_Id) REFERENCES Artist(A_id),  
    FOREIGN KEY (Genre_Id) REFERENCES Genre(G_id)  
);
```

```
INSERT INTO Song (S_id, Title, duration, Artist_Id, Genre_Id) VALUES
```

```
(1, 'Dilber', 210, 4, 1, 1),  
(2, 'Sita-Ram', 180, 5, 2, 2);
```

5. User Table

```
CREATE TABLE User (  
    U_id INT PRIMARY KEY,  
    userName VARCHAR(100),  
    Rating INT,  
    S_id INT,  
    FOREIGN KEY (S_id) REFERENCES Song(S_id)  
);
```

```
INSERT INTO User (U_id, userName, Rating, S_id) VALUES  
(1, 'Rajat', 5, 1),  
(2, 'Sandeep', 4, 2);
```