

WonderBeats Phase 3-Task C: SQL Files

404: Team Not Found Members:

Ezrela Amoako EBA190002

Cristina Kovacs CMK190001

Alexandra Swift AVS200006

Kayla Tucker KAT190004

Create.sql:

```
create database project4347;
```

```
use project4347;
```

```
create table User(  
id varchar(15) primary key not null,  
firstName varchar(15) ,  
lastName varchar(15),  
password varchar(15)  
);
```

```
CREATE TABLE listener (  
    listenerID varchar(15) NOT NULL,  
    PRIMARY KEY (`listenerID`),  
    CONSTRAINT `ListenerId`  
    FOREIGN KEY (`listenerID`)  
    REFERENCES `user` (`id`)  
    ON DELETE CASCADE  
    ON UPDATE CASCADE);
```

```
CREATE TABLE creator (  
    creatorID varchar(15) NOT NULL,  
    PRIMARY KEY (`creatorID`),
```

```
CONSTRAINT `CreatorIDFK`  
  FOREIGN KEY (`creatorID`)  
  REFERENCES `user` (`id`)  
  ON DELETE CASCADE  
  ON UPDATE CASCADE);
```

```
CREATE TABLE admin (  
  adminID varchar(15) NOT NULL,  
  PRIMARY KEY (`adminID`),  
  CONSTRAINT `AdminIDFK`  
  FOREIGN KEY (`adminID`)  
  REFERENCES `user` (`id`)  
  ON DELETE CASCADE  
  ON UPDATE CASCADE);
```

```
CREATE TABLE customerSupport (  
  supportID varchar(15) NOT NULL,  
  PRIMARY KEY (SupportID),  
  CONSTRAINT `CustSupportIDFK`  
  FOREIGN KEY (`supportID`)  
  REFERENCES `admin` (`adminID`)  
  ON DELETE CASCADE  
  ON UPDATE CASCADE);
```

```
CREATE TABLE accountSupport (  
  supportID varchar(15) NOT NULL,  
  listenerID varchar(15) NOT NULL,  
  PRIMARY KEY (`supportID`),  
  CONSTRAINT `accSupportIDFK`  
  FOREIGN KEY (`supportID`)  
  REFERENCES `customerSupport` (`supportID`)  
  ON DELETE CASCADE  
  ON UPDATE CASCADE,  
  CONSTRAINT `accSuppListenerIDFK`  
  FOREIGN KEY (`listenerID`)
```

```
REFERENCES `listener` (`listenerID`)
ON DELETE CASCADE
ON UPDATE CASCADE
);
```

```
CREATE TABLE song (
    title          VARCHAR(15)      NOT NULL,
    creatorID      VARCHAR(15)      NOT NULL,
    pitch          INT              NOT NULL,
    BPM            INT              NOT NULL,
    CONSTRAINT SONGPK
        PRIMARY KEY (`title`, `creatorID`),
    CONSTRAINT SONGTFK
        FOREIGN KEY (`creatorID`) REFERENCES `creator` (`creatorID`)
        ON DELETE CASCADE
        ON UPDATE CASCADE);
```

```
CREATE TABLE playlist (
    name           VARCHAR(15)      NOT NULL,
    listenerID     VARCHAR(15)      NOT NULL,
    dateCreated    VARCHAR(15)      NOT NULL,
    CONSTRAINT PLAYLISTSONGPK
        PRIMARY KEY (`name`, `listenerID`),
    CONSTRAINT PLAYLISTFK
        FOREIGN KEY (`listenerID`) REFERENCES `listener` (`listenerID`)
        ON DELETE CASCADE
        ON UPDATE CASCADE,
    CONSTRAINT PLAYNAMEFK
        FOREIGN KEY (`name`) REFERENCES `song` (`title`)
        ON DELETE CASCADE
        ON UPDATE CASCADE);
```

```

CREATE TABLE contains (
title VARCHAR(15) NOT NULL,
creatorID VARCHAR(15) NOT NULL,
playlistName VARCHAR(15) NOT NULL,
CONSTRAINT CONTAINSPK
    PRIMARY KEY (`title`, `creatorID`, `playlistName`),
CONSTRAINT TITLEFK
    FOREIGN KEY (`title`) REFERENCES `song`(`title`)
    ON DELETE CASCADE
    ON UPDATE CASCADE,
CONSTRAINT CREATORIDFK
    FOREIGN KEY (`creatorID`) REFERENCES `creator`(`creatorID`)
    ON DELETE CASCADE
    ON UPDATE CASCADE,
CONSTRAINT PLAYLISTNAMEFK
    FOREIGN KEY (`playListName`) REFERENCES `playlist`(`name`)
    ON DELETE CASCADE
    ON UPDATE CASCADE);

```

```

CREATE TABLE follows (
creatorID varchar(15) NOT NULL,
listenerID varchar(15) NOT NULL,
CONSTRAINT FOLLOWSPK
    PRIMARY KEY (`creatorID`, `listenerID`),
CONSTRAINT FOLLOWSCREATIDFK
    FOREIGN KEY (`creatorID`) REFERENCES `creator`(`creatorID`)
    ON DELETE CASCADE
    ON UPDATE CASCADE,
CONSTRAINT FOLLOWSLISTIDFK
    FOREIGN KEY (`listenerID`) REFERENCES `listener`(`listenerID`)
    ON DELETE CASCADE
    ON UPDATE CASCADE
);

```

Load.sql:

```
use project4347;
```

```
load data infile 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/user.dat'  
into table user  
fields terminated by ','  
lines terminated by '\n'  
ignore 1 lines;
```

```
load data infile 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/listener.dat'  
into table listener  
fields terminated by ','  
lines terminated by '\n'  
ignore 1 lines;
```

```
load data infile 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/creator.dat'  
into table creator  
fields terminated by ','  
lines terminated by '\n'  
ignore 1 lines;
```

```
load data infile 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/song.dat'  
into table song  
fields terminated by ','  
lines terminated by '\n'  
ignore 1 lines;
```

```
load data infile 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/playlist.dat'  
into table playlist  
fields terminated by ','  
lines terminated by '\n'  
ignore 1 lines;
```

```
load data infile 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/account_support.dat'
into table accountsupport
fields terminated by ','
lines terminated by '\n'
ignore 1 lines;
```

```
load data infile 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/admin.dat'
into table admin
fields terminated by ','
lines terminated by '\n'
ignore 1 lines;
```

```
load data infile 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/customer_support.dat'
into table customersupport
fields terminated by ','
lines terminated by '\n'
ignore 1 lines;
```

All of the.dat files:

User, Listener, Content Creator (Alexandra) :

1. Content Creator
creatorID
JohSmi
MorWil
2. User
listenerID
JanDoe
NatJon
3. Listener
id, firstName, lastName, password
JohSmi, John, Smith, pa55word123
JanDoe, Jane, Doe, qwerty
NatJon, Nate, Jones, asdfghjkl

MorWil, Morgan, Wilson, MorgWil
adJoe, Joe, Roberts, JoeMamma87
adSponge, Sponge, Bob, sqPants

Customer Support, Account Support, Admin (Cristina) :

4. Customer Support

Supportid
adJoe
adSponge

5. Account Support

Supportid,listenerid
adJoe,JanDoe
adSponge,NatJon

6. Admin

supportid
adJoe
adSponge

Playlist, Song (Ezrela) :

7. Playlist

name,listenerID,date_created
'Slow Jamz',JonDoe,'10-12-23'
'Study Mix',JohnDoe,'05-08-23'
'Road Trip',NatJon,'07-29-22'
'Workout Playlist',NatJon,'12-16-22'

8. Song

title,creatorID,pitch,BPM,uploadDate
'Georgia',JohnSmi,120,90,'10-04-23'
'The Last Popsicle',JohnSmi,100,145,'02-21-20'
'Only Tonight',MoreWill,110,83,'05-03-22'
'Weather Sweater',MoreWill,124,90,'07-17-23'