

Entities:

User(UserNum, UserName) UserNum is the primary key of the User Relation.

FreeQueue(AddNum) AddNum is the primary key of the FreeQueue Relation.

PaidQueue(AddNum) AddNum is the primary key of the PaidQueue Relation.

MainFile(SongNum, Path, TitleNum[†], ContNum[†]) Song Num is the primary key of the MainFile Relation.

TitleNum is a foreign key from Title and ContNum is a foreign key from Contributor.

Artist(ArtistNum, ArtistName) Artist Num is the primary key of the Artist Relation.

Contributer(ContNum, ContName, Type) ContNum is the primary key of the Contributor Relation.

Title(TitleNum, Text) TitleNum is the primary key of the Title Relation

Relations:

Freeadd(UserNum[†], AddNum[†], SongNum[†], Time) UserNum is a primary key of Freeadd and is a foreign key from User. AddNum is a primary key of Freeadd and is a foreign key from FreeQueue. SongNum is a foreign key from MainFile.

PaidAdd (UserNum[†], AddNum[†], SongNum[†], Time) UserNum is a primary key of Paidadd and is a foreign key from User. AddNum is a primary key of Paidadd and is a foreign key from PaidQueue. SongNum is a foreign key from MainFile.

ArtistFile(ArtistNum[†], TitleNum[†]) ArtistNum is a primary key of the ArtistFile relation and is a foreign key from Artist. TitleNum is a primary key of Artist file and is foreign key from Title.