Adolfo Jimenez Prieto.

Victor de Vierna Valcarce.

Gonzalo Molpeceres Barrientos.

ADMINS:

Nombre de columna	Tipo de datos	Permitir val...
SSN	int	☐
		☐

ALBUM:

Nombre de columna	Tipo de datos	Permitir val...
Number_Of_Reference	int	☐
Genre	varchar(40)	☐
Available_In_Physical_Fo...	bit	☑
Year	int	☑
Month	int	☑
		☐

ALBUM_AUTHORS:

Nombre de columna	Tipo de datos	Permitir val...
Number_Of_Reference	int	☐
First_Name	varchar(100)	☐
Second_Name	varchar(130)	☐
		☐

ALBUM_TRACK_ART:

Nombre de columna	Tipo de datos	Permitir val...
ArtisticName	varchar(20)	☐
Album_Number_Of_Refe...	int	☐
Track_Number_Of_Refer...	int	☐
		☐

ARTIST:

Nombre de columna	Tipo de datos	Permitir val...
Artistic_Name	varchar(20)	☐
First_Name	varchar(32)	☐
Second_Name	varchar(32)	☐
Nationality	varchar(32)	☐
Year_Birthday	int	☑
Age	int	☑
Years_Of_Experience	int	☑
Debut_Date	date	☑
Total_Sales	int	☑
Royalties	int	☑
Awards	varchar(32)	☑
Is_Alive	bit	☑
		☐

ART_REC:

Nombre de columna	Tipo de datos	Permitir val...
CIFRecordLabel	varchar(32)	☐
Artistic_Name	varchar(20)	☐
		☐

BILLING_INFORMATION:

Nombre de columna	Tipo de datos	Permitir val...
Type_Account	varchar(32)	☐
Number_Account	int	☐
User_UserName	varchar(20)	☐
		☐

COUPONS:

Nombre de columna	Tipo de datos	Permitir val...
Code	varchar(32)	☐
Expiration	date	☑
Discount	int	☐
Coupon_Format	varchar(32)	☑
Start_Date	date	☐
		☐

COUPONS_NAME:

Nombre de columna	Tipo de datos	Permitir val...
Code	varchar(32)	☐
Name	varchar(80)	☐
		☐

DEVELOPERS:

Nombre de columna	Tipo de datos	Permitir val...
SSN	int	☐
Programming_Language	varchar(40)	☑
		☐

DISTRADMIN:

Nombre de columna	Tipo de datos	Permitir val...
CIFDistributor	varchar(60)	☐
SSNAdmin	int	☐
		☐

DISTRIBUTOR:

Nombre de columna	Tipo de datos	Permitir val...
🔑 CIF	varchar(60)	☐
Companys_Name	varchar(80)	☑
Central_Officies	varchar(80)	☑
Nationality	varchar(30)	☐
		☐

EMPADRESS:

Nombre de columna	Tipo de datos	Permitir val...
🔑 SSN	int	☐
City	varchar(60)	☑
Street	varchar(60)	☑
		☐

EMPLOYEES:

Nombre de columna	Tipo de datos	Permitir val...
🔑 SSN	int	☐
Working_Years_Fullfiled	int	☑
Hiring_Date	date	☑
Phone	int	☑
Allowance	int	☐
Civil_Status	varchar(40)	☑
Blood_Group	char(2)	☑
Payroll_ID	int	☐
Category	varchar(30)	☐
		☐

LABELS_WORKED_WITH:

Nombre de columna	Tipo de datos	Permitir val...
🔑 Artistic_Name	varchar(20)	☐
🔑 Labels_Name	varchar(32)	☐
		☐

MANAGADMIN:

Nombre de columna	Tipo de datos	Permitir val...
Personal_Relation	varchar(120)	☑
SSNMan	int	☐
SSNAdm	int	☐
		☐

MANAGDEV:

Nombre de columna	Tipo de datos	Permitir val...
Personal_Relation	varchar(120)	☑
SSNDev	int	☐
SSNMan	int	☐
		☐

MANAGERS:

Nombre de columna	Tipo de datos	Permitir val...
SSN	int	☐
		☐

PAYMENT:

Nombre de columna	Tipo de datos	Permitir val...
Payment_ID	int	☐
Users_full_name	varchar(32)	☑
Year	int	☑
Month	int	☑
Day	int	☑
Hour	int	☑
		☐

PAYROLL:

Nombre de columna	Tipo de datos	Permitir val...
ID	int	☐
Bonus	int	☑
		☐

PLAYLIST:

Nombre de columna	Tipo de datos	Permitir val...
Playlist_ID	int	☐
Name	varchar(32)	☑
User_UserName	varchar(20)	☑
		☐

PLAYTRACK:

Nombre de columna	Tipo de datos	Permitir val...
TRACK_N_REFERENCE	int	☐
Playlist_ID	int	☐
		☐

PURCHASE_TRACKS:

Nombre de columna	Tipo de datos	Permitir val...
Cart_ID	int	☐
Initial_Price	int	☐
Number_Tracks	int	☐
Final_Price	int	☐
Is_Bougth_By_Ads	bit	☑
Coupon_Code	varchar(32)	☑
Payment_ID	int	☐
		☐

RECORD_LABEL:

Nombre de columna	Tipo de datos	Permitir val...
CIF	varchar(32)	☐
Brand_Name	varchar(32)	☑
Number_Of_Employees	int	☑
Stock_Market_Value	int	☑
		☐

RECORDDISTR:

Nombre de columna	Tipo de datos	Permitir val...
🔑 CIFDistributor	varchar(60)	☐
🔑 CIFRecordLabel	varchar(32)	☐
		☐

TRACKS:

Nombre de columna	Tipo de datos	Permitir val...
🔑 Reference_Number	int	☐
BPM	int	☑
		☐

USER:

Nombre de columna	Tipo de datos	Permitir va
🔑 Username	varchar(20)	☐
First_Name	varchar(32)	☑
Second_Name	varchar(32)	☑
Profile_Photo	image	☐
City	varchar(32)	☑
Street	varchar(32)	☑
ZIP	int	☑
Favourite_Track	varchar(32)	☑
Cart_ID	int	☑
Favourite_Artist	varchar(32)	☑
Favourite_Gentre	varchar(32)	☑
Number_Of_Purchase	int	☐
Money_Balance	int	☐
		☐

USER_AUDIO_PREFERENCES:

Nombre de columna	Tipo de datos	Permitir val...
🔑 Profile_Preferences	varchar(200)	☐
🔑 UserName	varchar(20)	☐
		☐

USER_EMAIL:

Nombre de columna	Tipo de datos	Permitir val...
Email_Account	varchar(32)	☐
User_UserName	varchar(20)	☐
		☐

USER_TRACK:

Nombre de columna	Tipo de datos	Permitir val...
Username	varchar(20)	☐
Track_Reference_N	int	☐
		☐

DATA TYPES

ADMINS

SSN	int	NULL

ALBUM

Number_Of_Reference	int	NULL
Genre	varchar(40)	NULL
Available_In_Physical_Form	bit	NOT NULL
Year	int	NOT NULL
Month	int	NOT NULL

ALBUM_AUTHORS

Number_Of_Reference	int	NULL
First_Name	varchar(100)	NULL
Second_Name	varchar(130)	NULL

ALBUMTRACKART

ArtisticName	varchar(20)	NULL
Album_Number_Of_Reference	int	NULL
Track_Number_Of_Reference	int	NULL

ARTIST

Artistic_Name	varchar(20)	NULL
First_Name	varchar(32)	NULL
Second_Name	varchar(32)	NULL
Nationality	varchar(32)	NULL
Year_Birthday	int	NOT NULL
Age	int	NOT NULL
Years_Of_Experience	int	NOT NULL
Debut_Date	date	NOT NULL
Total_Sales	int	NOT NULL
Royalties	int	NOT NULL
Awards	varchar(32)	NOT NULL
Is_Alive	bit	NOT NULL

ArtRec

CIFRecordLabel	varchar(32)	NULL
Artistic_Name	varchar(20)	NULL

BILLING_INFORMATION

Type_Account	varchar(32)	NULL
Number_Account	int	NULL
User_UserName	varchar(20)	NULL

COUPONS

Code	varchar(32)	NULL
Expiration	date	NOT NULL
Discount	int	NULL
Coupon_Format	varchar(32)	NOT NULL
Start_Date	date	NULL

COUPONSNAME

| Code | varchar(32) | NULL |
| Name | varchar(80) | NULL |

DEVELOPERS

| SSN | int | NULL |
| Programming_Language | varchar(40) | NOT NULL |

DistrAdmin

| CIFDistributor | varchar(60) | NULL |
| SSNAdmin | int | NULL |

DISTRIBUTOR

CIF	varchar(60)	NULL
Companys_Name	varchar(80)	NOT NULL
Central_Offices	varchar(80)	NOT NULL
Nationality	varchar(30)	NULL

EMPADRESS

SSN	int	NULL
City	varchar(60)	NOT NULL
Street	varchar(60)	NOT NULL

EMPLOYEES

SSN	int	NULL
Working_Years_Fullfiled	int	NOT NULL
Hiring_Date	date	NOT NULL
Phone	int	NOT NULL
Allowance	int	NULL
Civil_Status	varchar(40)	NOT NULL
Blood_Group	char(2)	NOT NULL
Payroll_ID	int	NULL
Category	varchar(30)	NULL

LABELS_WORKED_WITH

Artistic_Name	varchar(20)	NULL
Labels_Name	varchar(32)	NULL

MANAGADMIN

Personal_Relation	varchar(120)	NOT NULL
SSNMan	int	NULL
SSNAdm	int	NULL

MANAGDEV

Personal_Relation	varchar(120)	NOT NULL
SSNDev	int	NULL
SSNMan	int	NULL

MANAGERS

SSN	int	NULL

PAYMENT

Payment_ID	int	NULL
Users_full_name	varchar(32)	NOT NULL
Year	int	NOT NULL
Month	int	NOT NULL
Day	int	NOT NULL
Hour	int	NOT NULL

PAYROLL

| ID | int | NULL |
| Bonus | int | NOT NULL |

PLAYLIST

Playlist_ID	int	NULL
Name	varchar(32)	NOT NULL
User_UserName	varchar(20)	NOT NULL

PLAYTRACK

| TRACK_N_REFERENCE | int | NULL |
| Playlist_ID | int | NULL |

PURCHASE_TRACKS

Cart_ID	int	NULL
Initial_Price	int	NULL
Number_Tracks	int	NULL
Final_Price	int	NULL
Is_Bougth_By_Ads	bit	NOT NULL
Coupon_Code	varchar(32)	NOT NULL
Payment_ID	int	NULL

RECORD_LABEL

CIF Brand_Name Number_Of_Employees Stock_Market_Value	varchar(32) varchar(32) int int	NULL NOT NULL NOT NULL **NOT NULL**

RecordDistr

CIFDistributor CIFRecordLabel	varchar(60) varchar(32)	NULL NULL

TRACKS

Reference_Number BPM	int int	NULL NOT NULL

USER

Username	varchar(20)	NULL
First_Name	varchar(32)	NOT NULL
Second_Name	varchar(32)	NOT NULL
Profile_Photo	image	NULL
City	varchar(32)	NOT NULL
Street	varchar(32)	NOT NULL
ZIP	int	NOT NULL
Favourite_Track	varchar(32)	NOT NULL
Cart_ID	int	NOT NULL
Favourite_Artist	varchar(32)	NOT NULL
Favourite_Gentre	varchar(32)	NOT NULL
Number_Of_Purchase	int	NULL
Money_Balance	int	NULL

USER_AUDIO_PREFERENCES

Profile_Preferences	varchar(200)	NULL
UserName	varchar(20)	NULL

USER_EMAIL

Email_Account	varchar(32)	NULL
User_UserName	varchar(20)	NULL

USER_TRACK

Username	varchar(20)	NULL
Track_Reference_N	int	NULL
		NULL

DEFAULT

ARTISTS:

Age INT DEFAULT 18

Years_Of_Experience INT DEFAULT 0

Total_Sales INT DEFAULT 0

Royalties INT DEFAULT 0

Is_Alive BIT DEFAULT 'SI'

RECORD_LABEL:

Number_Of_Employees INT DEFAULT 0

PAYROLL:

Bonus INT DEFAULT 0

EMPLOYEES:

Working_Years_Fullfiled INT DEFAULT 0

Civil_Status VARCHAR(40) DEFAULT 'SINGLE'

ALBUM:

Available_In_Physical_Format BIT DEFAULT 'NO'

CHECK CONSTRAINS

Artists:

CK_ARTIST_YEARSOFEXPAG CHECK(Age >= 0)

CK_ARTIST_YEARSOFEXPY CHECK(Years_Of_Experience >= 0)

CHECK_ARTISTSALES CHECK(Total_Sales >= 0)

CHECK_ARTISTROYAL CHECK(Royalties >= 0)

CK_ARTIST_YEARSOFEXPA CHECK(Awards >= 0)

CK_ARTIST_ISALIVE CHECK(Is_Alive LIKE '[SI, NO]')

COUPONS:

CHECK_COUPONSC CHECK(Code LIKE '[0-9][0-9][0-9][0-9][0-9][a-z,A-Z]')

PURCHASE_TRACKS:

CHECK_PURCHASE_TRACKSI CHECK(Initial_Price >= 0)

CHECK_PURCHASE_TRACKSN CHECK(Number_Tracks >= 0)

CHECK_PURCHASE_TRACKSF CHECK(Final_Price >= 0)

Users:

CHECK_USERNUM CHECK(Number_Of_Purchase >= 0)

RECORD LABEL:

C_RECORD_LABELN CHECK(Number_Of_Employees >= 0)

TRACKS:

CK_TRACKSBPM CHECK(BPM>=0)

CK_Year CHECK("Year" >= 0)

CK_Month CHECK("Month" >= 0)

ALBUM:

CK_AvailablePhysical CHECK(Available_In_Physical_Format
LIKE '[SI, NO]')