My Music Shop

Context

My Music Shop is an online music store that sells individual tracks to clients around the world, something like iTunes, but specialised in alternative and classic music.

Rick, the owner, have been successfully managing the sales using a simple spreadsheet until now, the sales are growing and is more and more complicated to control the sales using the spreadsheet.

So Rick has contracted **WALIRIAN** to create a proper database in POSTGRES to store all their sales info, as well as the music catalog.

Scope of the project

1. Design a single relational database to hold all the information contained in the spreadsheet.
2. Import all the existing information (in CSV) format into the newly designed relational database
3. Using a reporting tool, we are going to design also a dashboard for Rick to control and monitor the sales.

Tickets

Task 1

Download the CSV file using this link
https://drive.google.com/file/d/1c0fyBj68oMV_T5Cg_aH5Gz--UbFzUcRG/view?usp=sharing

Task 2

Using the source CSV file, study the file and the different columns, to identify entities, attributes, relationships, primary keys, FK, and column types.

Task 3

Using SQL Architect, draw and document the ER diagram of the proposed solution

Task 4

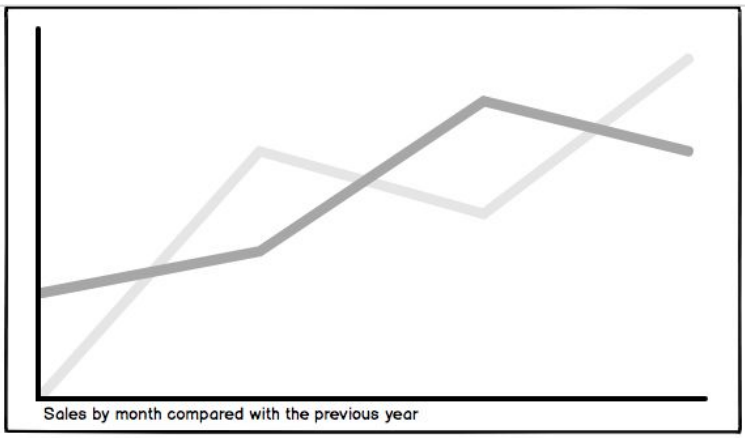
Generate the DDL SQL Script using SQL Architect, and generate the schema into your POSTGRES database

Task 5

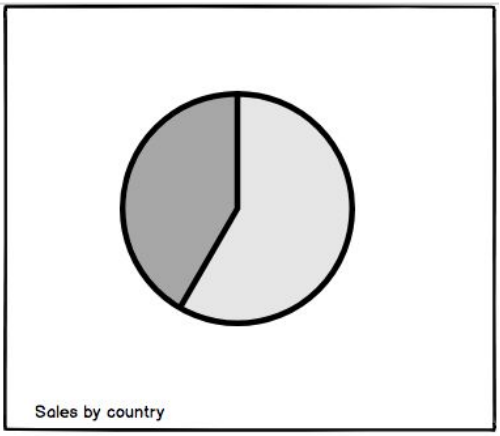
Import the data contained in the source CSV file into the newly generated postgres database

Task 6

General dashboard, using Microstrategy desktop, create and publish the Music shop dashboard based on the following wireframe:



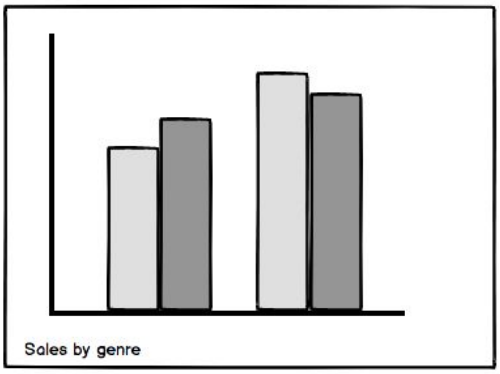
Sales by month compared with the previous year



Sales by country

Client Name	Country	Sales ammount	Nbr of sales
Giacomo Guilizzoni	Germany	$425	10
Marco Botton	Italy	$389	12

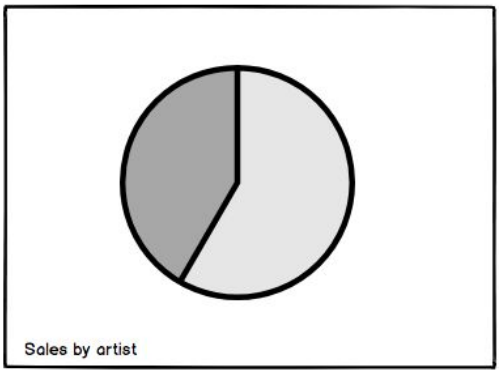
Top Ten clients by Total Sales Ammount



Sales by genre

Track Name	Sales ammount	Nbr of sales
Let It be	$225	20
Big city	$189	12

Top Ten Tracks by Total Sales Ammount



Sales by artist