Technical Report

Project: Music Store Database System

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Introduction

The main Aim for this project is the development of a sample centralized relational music store database. In this context functionality is to update, remove and insert records for the different entities for music store. The database is built for the clerks and manager of the store. This database is designed to accept records for music store management. It is designed to encompass all the details of albums, artist, tracks, client details, order details, stocks etc. This database design has fully capable for easy editing as well as appending for more fields as per its future needs. We have added some functions for finding client details like client id by using first name of client which makes it easy for store manager to get details from the database. Similarly, we have added other two function for finding how much stock is available for album and track in the store by using album or track title. Customers are ordering by phone or by email. The clerk of the databases must be able to fulfil the wishes of the customer. These   
wishes include finding the right album and ordering this album.

Diagram

Description automatically generatedE-R Model:

Tables of Database:

All the tables in the database are interconnected with unique foreign keys to accept multi-level user’s query.

1. Client Details : This table is designed to collect information of the client like address, name, contact info. Etc.
2. Order details: This table contains information regarding the order placed by clients.
3. Order items: This table stores information regarding the items that client required from the store such as album or track quantity, price etc.
4. Album: This table designed to have all the information of the album.
5. Artist: This table stores the information of the artist.
6. Track: This table designed to have all the information of the track.
7. Country, Province and City: This tables are designed to have all the information of clients country, city and province.
8. Reviewer: This table contains the information in which store can have information regarding the reviews given by satisfied customer after buying the album or track from the store.