Data Modeling & Power BI

- ## Chinook Database
  (On Azure or Local)
  - MySQL
  - SQL Server
  - PostgreSQL
- ## Tools
  - ER/Studio
  - Navicat
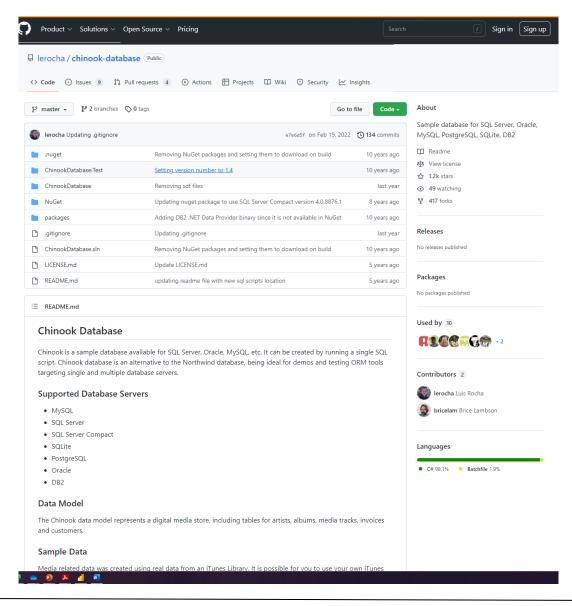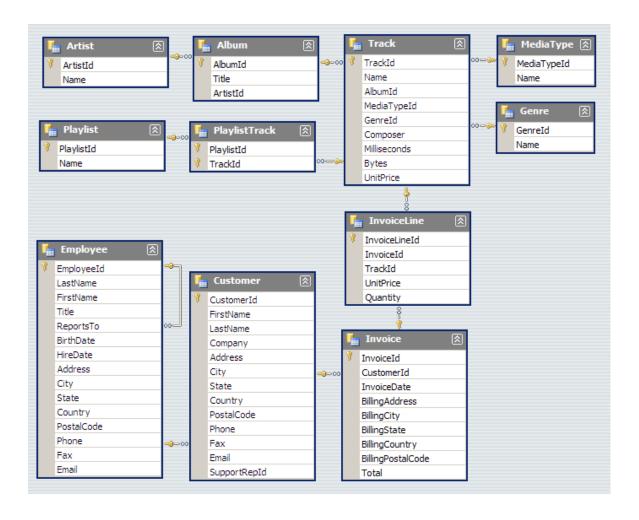 - DBeaver
  - MySQL Workbench

Chinook Database Github

View Link for NU students:
damg7370_2023_01_spring

Chinook Database

Chinook data model represents a digital media store, including tables for artists, albums, media tracks, invoices and customers.

Chinook data model is an Entity-Relationship (ER) Model.

TableName	Table_Rows
Album	347
Artist	275
Customer	59
Employee	8
Genre	25
Invoice	412
InvoiceLine	2,240
MediaType	5
Playlist	18
PlaylistTrack	8,715
Track	3,503

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Chinook Database: Tables

- **Employee** table stores employee data such as employee id, last name, first name, etc. It also has a field named ReportsTo to specify who reports to whom.

- **Customer** table stores customers data.

- **Invoice & InvoiceLine** tables: these two tables store invoice data. The invoices table stores invoice header data and the invoice_items table stores the invoice line items data.

- **Artist** table stores artists data. It is a simple table that contains only the artist id and name.

- **Album** table stores data about a list of tracks. Each album belongs to one artist. However, one artist may have multiple albums.

- **MediaType** table stores media types such as MPEG audio and AAC audio files.

- **Genre** table stores **music types** such as rock, jazz, metal, etc.

- **Track** table stores the data of **songs**. Each track belongs to one album.

- **Playlist & Playlist Track** tables: playlists table store data about playlists. Each playlist contains a list of tracks. Each track may belong to multiple playlists. The relationship between the playlists table and tracks table is many-to-many. The PlaylistTrack table is used to reflect this relationship.

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Assignment

- Create via Reverse Engineering with ER/Studio (Windows) or Navicat (MacBooks) for each of these databases:
    - MySQL
    - SQL Server
    - PostgreSQL

- Upload screen shots and data modeling software's file
    - ER/Studio dm1
    - Navicat ndm2

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