

SQL: DBMS & Data

Lecture 7a



DBMS & Data

For basic SQL practice, we will use two database management systems

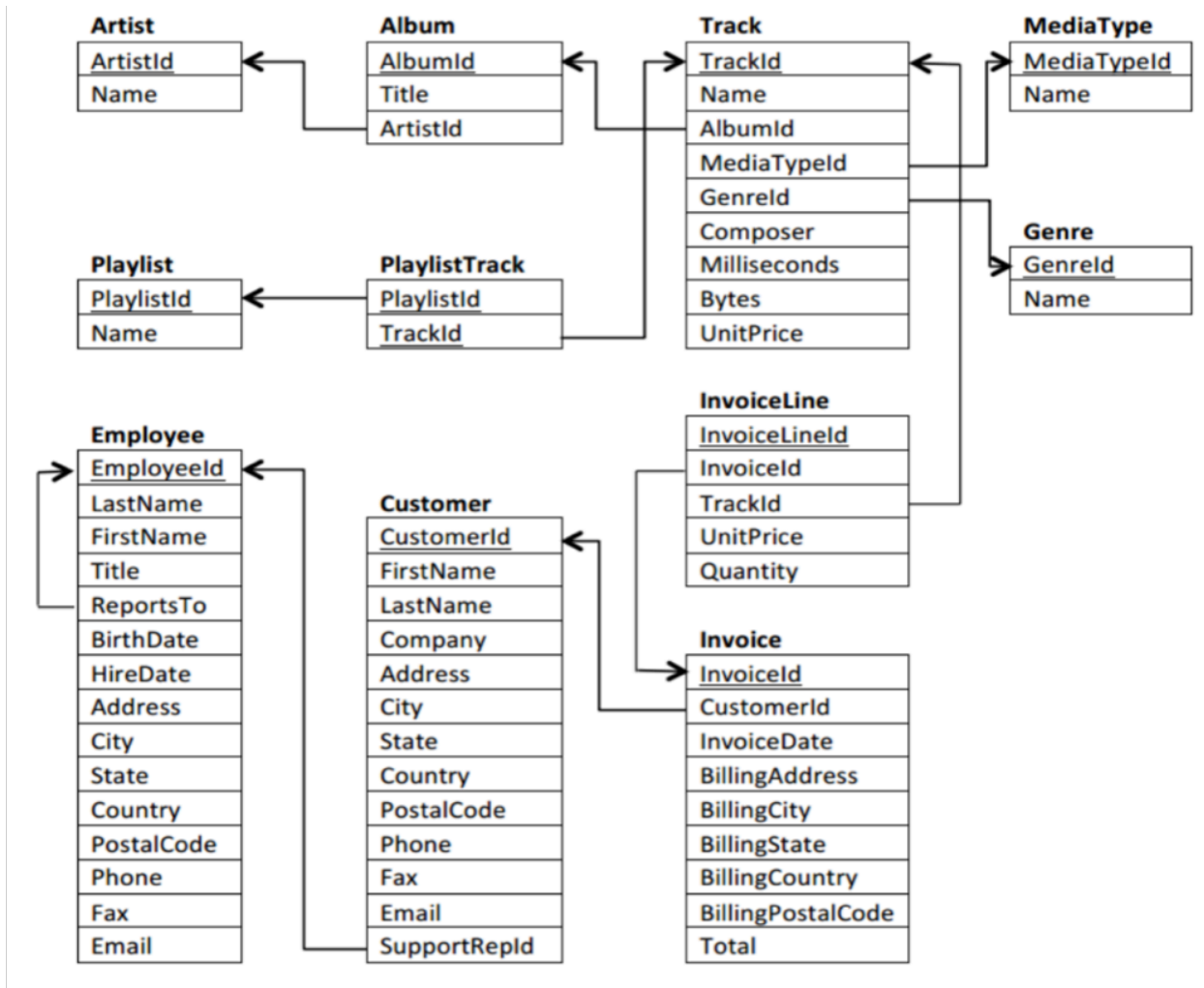
- SQLite via SQLiteMan
 - Embedded (in-memory), cross-platform, public domain, API in many languages
 - Limited features, very particular performance tradeoffs
 - <http://sqliteman.yarpen.cz>
- MySQL via WAMP (includes Apache, PHP, PHPMyAdmin)
 - Out-of-Process, major platforms, FOSS version, API in many languages, de facto for [smaller scale] web dev
 - More features, owned by Oracle
 - <http://www.wampserver.com/en/>

and the Chinook database (11 tables, >15k rows)

- <http://chinookdatabase.codeplex.com/>



Chinook Database



WAMP Notes

- Exit when not actively using
 - Make sure your firewall is enabled
 - Consider disconnecting from the Internet
- Change MySQL **root** user immediately
 - MySQL Console
 - `SET PASSWORD = PASSWORD('clear_pwd');`
 - Requires a corresponding configuration change to PHPMyAdmin
 - `apps\phpmyadminX.Y.Z\config.inc.php`
 - `$cfg['Servers'][$i]['auth_type'] = 'config';`



WAMP Import via PHPMyAdmin

- Import
 - Choose file
 - `Chinook_MySql_AutoIncrementPKs.sql`
 - Go
- Click on **chinook** in left pane
 - Users
 - Add user
 - User name = chinook
 - Host = localhost
 - Password
 - Go
 - Edit Privileges
 - Database-specific -> Chinook
 - Check All
 - Go
- Log out, Log in as new user



SQLite Import via SQLite3

- Start -> Run -> cmd
- Change directory to SQLiteman

```
sqlite3.exe -batch -init  
path_to_Chinook_Sqlite_AutoIncrementPKs.sql  
path_to_your_db.db
```

