Northeastern University
CS3200 – Database Design
Spring 2018, Derbinsky

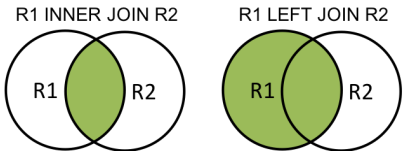
SQLite+Chinook Reference Sheet

```
SELECT [DISTINCT] <attribute list>
FROM <table list>
[WHERE <condition list>]
[GROUP BY <attribute list>]
[HAVING <condition list>]
[ORDER BY <attribute-order list>];
```

Attribute List: **`*`** for all, **`AS`** to rename

- Common functions: **`||`** (string concatenation), **`PRINTF("%s %d %.2f", str, integ, dec)`**
- Common aggregation: **`MIN`**, **`MAX`**, **`SUM`**, **`AVG`**, **`COUNT(*)`**, **`COUNT(field)`**, **`COUNT(DISTINCT field)`**

Table List: **`(T1`** [alias] <join type> **`T2`** [alias] [**`ON`** <condition list>]**`)`** <join type> **`T3`** [alias] …

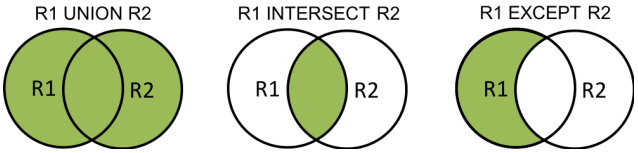
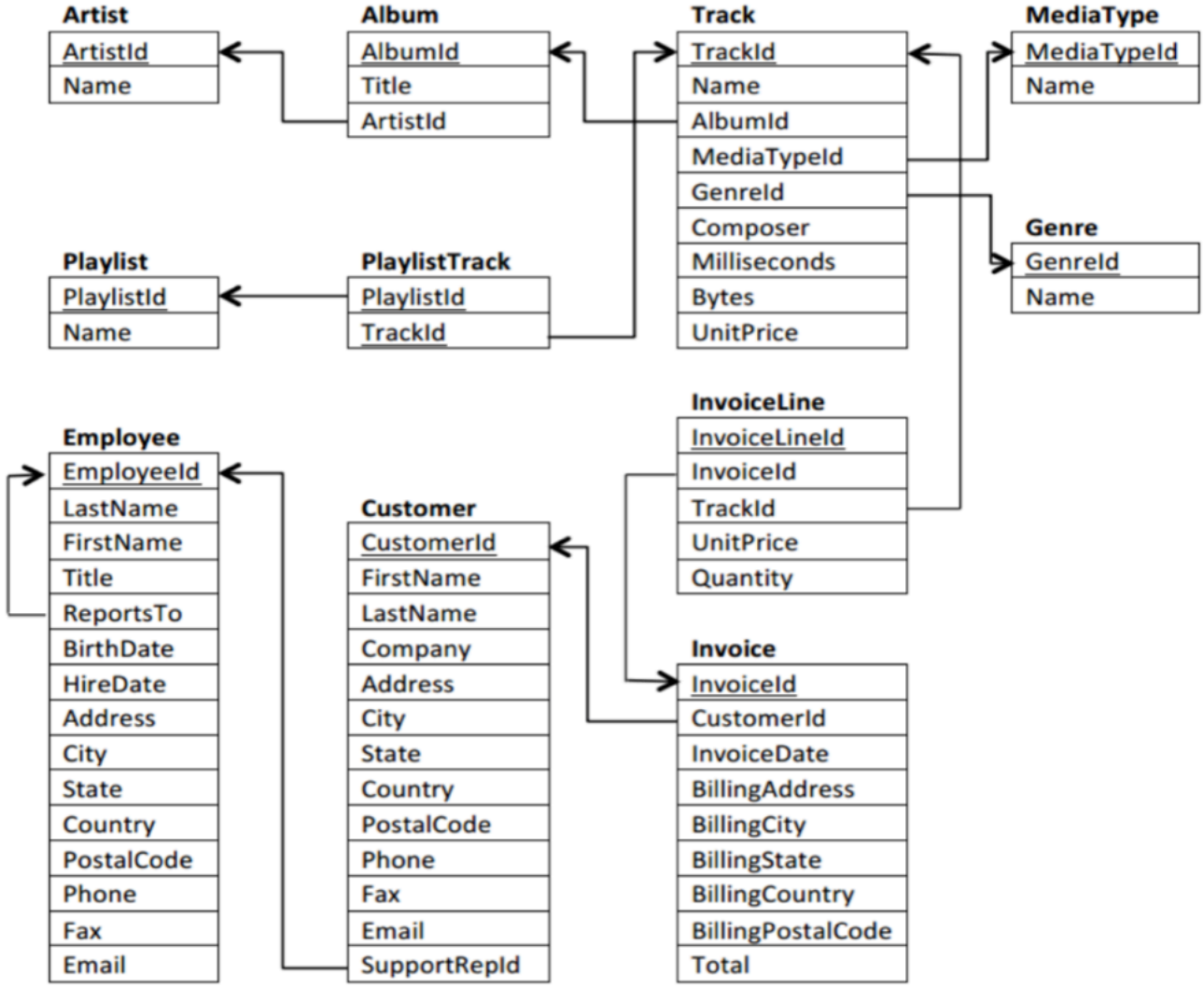


Condition List: Clauses **`()`** separated by **`AND`**/**`OR`**

- Common operators: **`=`**, **`<>`**, **`>`**, **`>=`**, (**`NOT`**) **`LIKE`**, (**`NOT`**) **`IN`**, **`IS`** (**`NOT`**), **`BETWEEN`**
  - **`LIKE`** wildcard: **`%`**
- Subquery operators: (**`NOT`**) **`EXISTS`**

Attribute-Order List: field1 **`ASC`**/**`DESC`**, field2 …

Set Operations: **`ALL`** for multiset



Chinook Database