|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **TABLE** | **COLUMN** | **DATATYPE** | **DEFAULTS** | **Constraints/ NOTES** |
| Album | AlbumID (PK) | int |  | Identity starting at 100, increment by 1 |
|  | AlbumName | Varchar(60) |  |  |
|  | ArtistID (FK) | int |  |  |
|  | ISMN | YOU TELL ME: what datatype should this be? |  | This is a 13 digit number. It must be 13 digits. |
|  | GenreID (FK) | smallint |  |  |
|  | CurrentPrice | smallmoney |  |  |
|  | QOH | Int | 0 |  |
| Artist | ArtistID (PK) | int |  | Identity starting at 100, increment by 1 |
|  | ArtistName | Varchar(50) |  |  |
| Customer | CustomerID (PK) |  |  | Identity starting at 100, increment by 1 |
|  | *FirstName* | Varchar(40) |  |  |
|  | LastName | Varchar(50) |  |  |
|  | Phone | Varchar(14) |  | Must be in format 1-555-555-5555 |
|  | Address | Varchar(30) |  |  |
|  | City | Varchar(20) | Edmonton |  |
|  | PostalCode | Varchar(7) |  | Must be in format T5T-5T5 or 99999 |
|  | *Province* | Char(2) | AB | Must be two uppercase letters |
|  | Country | Varchar(15) | Canada |  |
|  | *Email* | Varchar(40) |  | \*\* See business rules |
| Employee | EmployeeID (PK) |  |  | Identity starting at 100, increment by 1 |
|  | *FirstName* | Varchar(40) |  |  |
|  | LastName | Varchar(50) |  |  |
|  | Phone | Varchar(14) |  | Must be in format 1-555-555-5555 |
|  | Address | Varchar(30) |  |  |
|  | City | Varchar(20) | Edmonton |  |
|  | PostalCode | Varchar(7) |  | Must be in format T5T-5T5 or 99999 |
|  | *Province* | Char(2) | AB | Must be two uppercase letters |
|  | Country | Varchar(15) | Canada |  |
|  | *Email* | Varchar(40) |  | Must be valid email format |
|  | Wage | Smallmoney |  |  |
|  | DateHired | Datetime | Today |  |
|  | *DateReleased* | datetime |  | DateReleased must be AFTER DateHired |
|  | ActiveYN | Char(1) | Y | Must be either uppercase Y or N. |
| Genre | GenreID (PK) | smallint |  | Identity starting at 1, increment by 1 |
|  | Description | Varchar(70) |  |  |
| PaymentType | PaymentTypeID (PK) | Tinyint |  | Identity starting at 1, increment by 1 |
|  | Description | Varchar(70) |  |  |
| PurchaseOrder | PurchaseOrderID(PK) | Int |  | Identity starting at 1000, increment by 1 |
|  | Date | Datetime | Today’s date |  |
|  | SupplierID (FK) | Int |  |  |
|  | Subtotal | Money |  |  |
|  | Tax | Smallmoney |  |  |
|  | Total | Money |  |  |
| PurchaseOrderAlbum | AlbumID (FK, PK) | Int |  |  |
|  | PurchaseOrderID (PK, FK) | Int |  |  |
|  | Quantity | Int |  |  |
|  | Cost | smallmoney |  |  |
|  | Amount | Money |  | Amount must be greater than or equal to Cost. |
| Receipt | ReceiptID (PK) | Int |  | Identity starting at 100, increment by 1 |
|  | Date | Datetime | Today’s date |  |
|  | CustomerID (FK) | Int |  |  |
|  | EmployeeID (FK) | Int |  |  |
|  | Subtotal | Money |  | Can be less than 0; think returns! |
|  | Tax | Smallmoney |  | Can be less than 0; think returns! |
|  | Total | Money |  | Can be less than 0; think returns! |
|  | PaymentTypeID (FK) | Tinyint |  |  |
| Supplier | SupplierID | int |  | Identity starting at 100, increment by 1 |
|  | SupplierName | Varchar(100) |  |  |
|  | Phone | Varchar(14) |  | Must be in format 1-555-555-5555 |
|  | *PhoneExtension* | Int |  |  |
|  | Address | Varchar(50) |  |  |
|  | City | Varchar(20) | Edmonton |  |
|  | PostalCode | Varchar(7) |  | Must be in format T5T-5T5 or 99999 |
|  | *Province* | Char(2) | AB | Must be two uppercase letters |
|  | Country | Varchar(15) | Canada |  |

*Italic columns mean they are nullable*

Business Rules:

* Prices are to be greater than 0 unless otherwise stated
* Quantities cannot be less than 0
* Email contains some text, then an @ symbol, then some text, then a “.”, then some text
* Totals should be greater than or equal to subtotals