Cool Cat Records

Customer Receipt

**Receipt Number:** 567 **Date:** 12-SEP-2017

**Customer:** Jessica Jones

**Customer Number:** 425

**Employee Name:** Steve Jobs

**Employee Number**: 4

**Number of items purchased:** 4

**Subtotal**: $38.00

**Tax**: $2.50

**Total**: $40.50

**Payment Type**: Credit Card

0NF:

ReceiptNumber, Date, CustomerName, CustomerNumber, EmployeeName, EmployeeNumber, NumItemPurch, Subtotal, Tax, Total, PaymentType

1NF:

ReceiptNumber, Date, CustomerFName, CustomerLName, CustomerNumber, EmployeeFName, EmployeeLName, EmployeeNumber, NumItemPurch, Subtotal, Tax, Total, PaymentType

2NF: (no changes)

ReceiptNumber, Date, CustomerFName, CustomerLName, CustomerNumber, EmployeeFName, EmployeeLName, EmployeeNumber, NumItemPurch, Subtotal, Tax, Total, PaymentType

3NF:

ReceiptNumber, Date, *CustomerNumber(fk)*, *EmployeeNumber(fk)*, NumItemPurch, Subtotal, Tax, Total, PaymentType

CustomerNumber, CustomerFName, CustomerLName

EmployeeNumber, EmployeeFName, EmployeeLName

NOTE: We will not expand on this in the ERD. Just ignore it.

Cool Cat Records

Receipt

**Receipt Number**: 567

**Date**: 12-SEP-2017

**Employee Number**: 4

**Customer**: Jessica Jones

**Customer Number**: 425

**Employee Name**: Steve Jobs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Album #** | **Album Name** | **Quantity** | **Cost** | **Total Cost** |
| 10 | Led Zeppelin II | 1 | $13.00 | $13.00 |
| 45 | Broken Machine | 2 | $14.00 | $28.00 |
| 27 | Era Vulgaris | 1 | $11.00 | $11.00 |

**Subtotal**: $38.00

**Tax**: $2.50

**Total**: $40.50

**Payment Type**: Credit Card

 NOTE: ‘Cost’ and ‘Total Cost’ are historical prices. Meaning the cost on this record might not be the same as what the current price is. Think of it as a ‘historical cost’

0NF:

ReceiptNumber, Date, CustomerName, CustomerNumber, EmployeeName, EmployeeNumber, (AlbumNumber, AlbumName, Quantity, Cost, TotalCost,) Subtotal, Tax, Total, PaymentType

1NF:

ReceiptNumber, Date, CustomerFName, CustomerLName, CustomerNumber, EmployeeFName, EmployeeLName, EmployeeNumber, Subtotal, Tax, Total, PaymentType

AlbumNumber, AlbumName, Quantity, Cost, TotalCost, ReceiptNumber

2NF:

ReceiptNumber, Date, CustomerFName, CustomerLName, CustomerNumber, EmployeeFName, EmployeeLName, EmployeeNumber, Subtotal, Tax, Total, PaymentType

*AlbumNumber(fk),* Quantity, Cost, TotalCost, ReceiptNumber

AlbumNumber, AlbumName

3NF:

ReceiptNumber, Date, *CustomerNumber(fk)*, *EmployeeNumber(fk)*, Subtotal, Tax, Total, PaymentType

CustomerNumber, CustomerFName, CustomerLName

EmployeeNumber, EmployeeFName, EmployeeLName

*AlbumNumber(fk),* Quantity, Cost, TotalCost, ReceiptNumber

AlbumNumber, AlbumName

Cool Cat Records

Purchase Order

**Purchase Order Number:** 419 **Date:** 12-SEP-2017

**Supplier Name:** Music Eh **Supplier Number:** 6

**Address:** 1234 56 Street **Phone:** 250-555-1234

**City:** Ottawa, ON, K2P 2R1

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Album # | ISMN | Album Name | Artist | Qty | Cost | Amount |
| 10 | 123456 | Led Zeppelin II | Led Zeppelin | 3 | $13.00 | $39.00 |
| 45 | 451357 | Broken Machine | Nothing But Thieves | 7 | $14.00 | $98.00 |
| 27 | 154621 | Era Vulgaris | Queens of the Stone Age | 1 | $11.00 | $11.00 |
| 78 | 591443 | Supernatural | Santana | 2 | $12.00 | $24.00 |

**Subtotal**: $172.00

**Tax**: $8.50

**Total**: $180.50

NOTE: ISMN is an international identification number of albums (called International Standard Music Number). The ISMN is needed because the supplier’s album numbers will be different from Cool Cat Records’ album numbers. This allows understanding.

0NF:

PurchaseOrderNum, Date, SupplierName, SupplierNumber, Phone, Address, City, (AlbumNum, ISMN, AlbumName, Artist, Qty, Cost, Amount), Subtotal, Tax, Total

1NF:

PurchaseOrderNum, Date, SupplierName, SupplierNumber, Phone, Address, City, Province, PostalCode, Subtotal, Tax, Total

AlbumNum, *PurchaseOrderNum (fk)*, ISMN, AlbumName, Artist, Qty, Cost, Amount

2NF:

PurchaseOrderNum, Date, SupplierName, SupplierNumber, Phone, Address, City, Province, PostalCode, Subtotal, Tax, Total

*AlbumNum(fk),* *PurchaseOrderNum (fk)*, Qty, Cost, Amount

AlbumNum, ISMN, AlbumName, Artist

3NF:

PurchaseOrderNum, Date, Subtotal, Tax, Total, *SupplierNumber(fk)*

SupplierNumber, SupplierName, Phone, Address, City, Province, PostalCode

*AlbumNum(fk),* *PurchaseOrderNum (fk)*, Qty, Cost, Amount

AlbumNum, ISMN, AlbumName, Artist

Cool Cat Records

Album Inventory

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Album #** | **Album Name** | **Artist** | **Genre Code** | **Genre** | **Price** | **In Stock** |
| 10 | Led Zeppelin II | Led Zeppelin | 1 | Classic Rock | $13.00 | 5 |
| 45 | Broken Machine | Nothing But Thieves | 7 | Alternative | $14.00 | 2 |
| 27 | Era Vulgaris | Queens of the Stone Age | 14 | Stoner Rock | $11.00 | 3 |