Name: Nicholas Defranco

Unnormalized <- () means possible repeating groups.

* First name
* Middle name
* Last name
* Email
* Phone Number
* (book)
* (Publisher)
* (Author)
* (Amount purchased)
* (Retail price)
* Shipping address
* Postal code
* Country
* Province
* City
* Shipping date
* Order date

1NF

TABLE 1: **CUSTOMERS**

* Customer# (PK)
* First name
* Middle name
* Last name
* Email
* Phone Number
* Shipping address
* Postal code
* Country
* Province
* City

TABLE 2: **ORDERS**

* Order# (PK) <- composite primary key
* Customer# (FK)
* ISBN(PK) <- composite primary key
* Amount purchased
* Shipping date
* Order date
* Shipping Cost

TABLE 3: **BOOKS**

* ISBN(PK) <- composite primary key
* Description
* Author (PK) <- composite primary key
* Date Published
* Retail price
* Min retail
* Max retail
* Cost
* Discount
* Category
* Publisher
* Contact

2NF

Table 1: **CUSTOMERS** <- Only one primary key, so it is already in 2NF

* Customer# (PK)
* First name
* Middle name
* Last name
* Email
* Phone Number
* Shipping address
* Postal code
* Country
* Province
* City

TABLE 2: **ORDERS**

* Order# (PK)
* Customer# (FK)
* Shipping date
* Order date
* Shipping Cost

TABLE 3: **BOOKS**

* ISBN(PK)
* Description
* Date Published
* Retail price
* Min retail <- Transitive Dependency
* Max retail <- Transitive Dependency
* Cost
* Discount
* Category
* Publisher <- Transitive Dependency
* Contact <- Transitive Dependency

TABLE 4: **ORDER/BOOK**<- Bridging Entity, meant to refer to a part of an order (one item)

* Order#
* ISBN
* Amount purchased
* Quoted price

TABLE 5: **AUTHOR**

* Author# (PK)
* Author name

TABLE 6: **BOOK/AUTHOR** <- Bridging Entity

* Author#
* ISBN

3NF

Table 1: **CUSTOMERS**

* Customer# (PK)
* First name
* Middle name
* Last name
* Email
* Phone Number
* Shipping address
* Postal code
* Country
* Province
* City

TABLE 2: **ORDERS**

* Order# (PK)
* Customer# (FK)
* Shipping date
* Order date
* Shipping Cost

TABLE 3: **BOOKS**

* ISBN(PK)
* Publisher# (FK)
* Description
* Date Published
* Retail price
* Cost
* Discount
* Category

TABLE 4: **PUBLISHER**

* Publisher# (PK)
* Name
* Contact
* Phone

TABLE 5: **ORDER/BOOK**<- Bridging Entity, meant to refer to a part of an order (one item)

* Order#
* ISBN
* Amount purchased
* Quoted price

TABLE 6: **AUTHOR**

* Author#
* Author name

TABLE 7: **BOOK/AUTHOR** <- Bridging Entity

* Author#
* ISBN

TABLE 8: **PROMOTION**

* ISBN
* Min retail
* Max retail