


Lab Template

Customer Details View

0NF

Customer: ( **CustomerNumber**, FirstName, LastName, Address, City, Province, PostalCode, HomePhone)

1NF - 3NF


No changes to the entity/table in 1NF to 3NF.

ERD


TODO: Place image here

Customer Orders View

0NF



Order: ( **OrderNumber**, CustomerNumber, FirstName, LastName, Address, City, Province, PostalCode, Phone, Date, {ItemNumber, Description, Quantity, CurrentPrice, SellingPrice, Amount}, Subtotal, GST, Total)


1NF

Order: ( **OrderNumber**, CustomerNumber, FirstName, LastName, Address, City, Province, PostalCode, Phone, Date, Subtotal, GST, Total)

OrderDetails: ( **OrderNumber**,  **ItemNumber**, Description, Quantity, CurrentPrice, SellingPrice, Amount)

2NF

OrderDetail: ( **OrderNumber**,  **ItemNumber**, Quantity, SellingPrice, Amount)

Item: ( **ItemNumber**, Description, CurrentPrice)

3NF

Order: ( **OrderNumber**,  *CustomerNumber*, Date, Subtotal, GST, Total)

Customer: ( **CustomerNumber**, FirstName, LastName, Address, City, Province, PostalCode, Phone)

Your lab is to be submitted as a **Markdown** (*.md) file using the following legend. The recommended text editor for these files is **Visual Studio Code**, as this editor allows you to preview your markdown document as HTML. ERDs can be created using **Lucidchart** and exported as *.png files. Check with your instructor about getting a free *Lucidchart* account to use during this course.

Legend

This legend is a guide to reading and interpreting the table listings under 0NF through 3NF.

- **TableName:** - Table names will be bolded and end with a colon. (e.g.: ****TableName:****)
 - (Column, Names) - Column names for a table will be enclosed in (rounded parenthesis).
 - **PrimaryKeyFields** - Primary key fields will be bold and inside a box. (e.g: **<b class="pk">PrimaryKeyFields**)
 - *ForeignKeyFields* - Foreign key fields will be a wavy underline in italic and green. (e.g.: **<u class="fk">ForeignKeyFields</u>**)
 - **{}** Repeating Groups **{}** - Groups of repeating fields will be identified in 0NF stage, and will be enclosed in orange curly braces. (e.g.: **<b class="rg">{Repeating, Group, Fields<b class="rg">}**)
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