

Dan Gilleland

Known Bugs:

- Fill in this list when you are finished your solution. Enter *No known bugs* if you have completed all the lab requirements successfully

Generate PDF from Markdown:

1. Ensure you have the **Markdown PDF** extension to Visual Studio Code installed
2. Open your markdown document
3. Press **F1** to open the Command Palette in VS Code
4. Type **Markdown PDF: Export (pdf)** and press **Enter**

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) (e.g.: `All, Attributes`).
- **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`)

Your solution here

Customer Details View

0NF

After performing Zero-Normal Form, a single entity was identified: **Customer**

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

1NF - 3NF

No changes to the entity in 1NF through 3NF.

ERD

Coming soon...

Customer Orders View

0NF

After performing Zero-Normal Form, a single entity was identified: **Order**

Order:

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

1NF

After performing First-Normal Form, a new entity was identified: **OrderDetail**

Order:

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

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

2NF

After performing Second-Normal Form, another new entity was identified: **Item**

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

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

3NF

After performing Third-Normal Form, another new entity was generated: **Customer**

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

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

ERD

Coming Soon