**Data Dictionary**

Manager

Employee

Customers

Delivery guy

Products

Order

Picker (picks up products)o

<https://www.c-sharpcorner.com/article/ecommerce-database-design/>



**Normalisation -**

|  |  |  |  |
| --- | --- | --- | --- |
| **0NF** | **1NF** | **2NF** | **3NF** |
| Customer ID | Customer ID | **Customer** | **Customer** |
| Customer Name | Customer FirstName | Customer ID | Customer ID |
| Customer Email | Customer LastName | Customer FirstName | Customer FirstName |
| Customer Postal Code | Customer Email | Customer LastName | Customer LastName |
| Customer Account | Customer Postal Code | Customer Email | Customer Email |
| Driver ID | Customer User name | Customer Postal Code | Customer Postal Code |
| Driver Name | Customer Password | Customer User name | Customer User name |
| Driver Email | Driver ID | Customer Password | Customer Password |
| Driver Postal Code | Driver FirstName | **Driver** | Customer Date of Birth |
| Driver Account | Driver LastName | Driver ID | Nectar ID |
| Order ID | Driver Email | Driver FirstName | **Driver** |
| Order company | Driver Postal Code | Driver LastName | Driver ID |
| Order Date | Driver user name | Driver Email | Driver FirstName |
| Order Postal Code | Driver password | Driver Postal Code | Driver LastName |
| Product ID | Order ID | Driver user name | Driver Email |
| Product Name | Order company Name | Driver password | Driver Postal Code |
| Product Date | Order Date | **Order** | Driver user name |
| Product Price | Order shipping Details | Order ID | Driver password |
| Product category ID | Order Postal Code | Order company Name | Vehicle Plate No. |
| Product Stock No. | Product ID | Order Date | Branch ID |
| Product manufacturer | Product Name | Order shipping Details | **Order** |
| Picker ID | Product Produce Date | Order Postal Code | Order ID |
| Picker Name | Product Expiry Date | **Product** | Order company Name |
| Picker Email | Product Price | Product ID | Order Date |
| Picker Postal Code | Product category ID | Product Name | Order shipping No. |
| Picker Account | Product Stock No. | Product Produce Date | Order Postal Code |
| Picker Gender | Product manufacturer | Product Expiry Date | Customer ID |
| Voucher ID | Picker ID | Product Price | Driver ID |
| Voucher Company | Picker First Name | Product category ID | Product ID |
| Voucher Date | Picker Last Name | Product Stock No. | Picker ID |
| Voucher Name | Picker Email | Product manufacturer | Voucher ID |
| Nectar ID | Picker Postal Code | **Picker** | Nectar ID |
| Nectar Company | Picker User Name | Picker ID | **Product** |
| Nectar Issue Date | Picker Password | Picker First Name | Product ID |
| Nectar Points | Picker Gender | Picker Last Name | Product Name |
| Branch ID | Voucher ID | Picker Email | Product Produce Date |
| Branch Name | Voucher Company Name | Picker Postal Code | Product Expiry Date |
| Branch Postal Code | Voucher Issue Date | Picker User Name | Product Price |
| Branch City | Voucher Expiry Date | Picker Password | Product category ID |
| Branch Company Name | Voucher Name | Picker Gender | Product Stock No. |
| Manager ID | Nectar ID | **Voucher** | Product manufacturer |
| Manager Name | Nectar Company Name | Voucher ID | **Picker** |
| Manager Email | Nectar Issue Date | Voucher Company Name | Picker ID |
| Manager Postal Code | Nectar Points | Voucher Issue Date | Picker First Name |
| Manager Account | Nectar Expiry Date | Voucher Expiry Date | Picker Last Name |
| Manager Gender | Branch ID | Voucher Name | Picker Email |
| Vehicle ID | Branch Name | **Nectar** | Picker Postal Code |
| Vehicle Plate Number | Branch Postal Code | Nectar ID | Picker User Name |
| Vehicle Registration No. | Branch City | Nectar Company Name | Picker Password |
|  | Branch Company Name | Nectar Issue Date | Picker Gender |
|  | Manager ID | Nectar Points | Branch ID |
|  | Manager First Name | Nectar Expiry Date | **Voucher** |
|  | Manger Last Name | **Branch** | Voucher ID |
|  | Manager Email | Branch ID | Voucher Company Name |
|  | Manager Postal Code | Branch Name | Voucher Issue Date |
|  | Manager Username | Branch Postal Code | Voucher Expiry Date |
|  | Manager Password | Branch City | Voucher Name |
|  | Manager Gender | Branch Company Name | **Nectar** |
|  | Vehicle ID | **Manager** | Nectar ID |
|  | Vehicle Plate Number | Manager ID | Nectar Company Name |
|  | Vehicle Registration No. | Manager First Name | Nectar Issue Date |
|  |  | Manger Last Name | Nectar Points |
|  |  | Manager Email | Nectar Expiry Date |
|  |  | Manager Postal Code | Customer ID |
|  |  | Manager Username | **Branch** |
|  |  | Manager Password | Branch ID |
|  |  | Manager Gender | Branch Name |
|  |  | **Vehicle** | Branch Postal Code |
|  |  | Vehicle Plate No. | Branch City |
|  |  | Vehicle Registration No. | Branch Company Name |
|  |  | . | Manager ID |
|  |  |  | Picker ID |
|  |  |  | Driver ID |
|  |  |  | **Manager** |
|  |  |  | Manager ID |
|  |  |  | Manager First Name |
|  |  |  | Manger Last Name |
|  |  |  | Manager Email |
|  |  |  | Manager Postal Code |
|  |  |  | Manager Username |
|  |  |  | Manager Password |
|  |  |  | Manager Gender |
|  |  |  | **Vehicle** |
|  |  |  | Vehicle ID |
|  |  |  | Vehicle Plate Number |
|  |  |  | Vehicle Registration No. |
|  |  |  | Driver ID |











