

Relational Model

ProvidedBy(SupplierID: Integer, **ProductID**: Integer)

Supplier(SupplierID: Integer, SupplierName: String, SupplierAddress: String, SupplierPhone: Number)

ProvidesDelivery(DeliveryID: Integer, **SupplierID**: Integer)

ReceivedFrom(**ProductID**: Integer, DeliveryID: Integer)

Product(**ProductID**: Integer, PricePerCostUnit: Double, CostUnit: String, ProductionDate, QuantityInStock, Brand: String, BestBeforeDate: String, PLU: Integer, UPC: Integer, Organic: Boolean, ProductName: String, Cut: String, Animal: String, ProductType: String, **LocationNumber**: Integer, **AisleNumber**: Integer)

Customer(CustomerName: String, CustomerPhone: String, CustomerEmail: String)

Purchases(TransactionNumber: Integer, **ProductID**: Integer, Quantity: Integer, **CustomerName**: String, **CustomerPhone**: String, Date: String, Total: Double)

ShopsAt(**CustomerName**: String, **CustomerPhone**: String, **LocationNumber**: Integer)

Store(LocationNumber: Integer, StoreName: String, StoreAddress: String)

HasDepartment (**LocationNumber**: Integer, **DepartmentName**: String)

Department(DepartmentName: String)

AisleContains(LocationNumber: Integer, AisleNumber: Integer, AisleName: String, **DepartmentName**: String)

Employee(EmployeeID: Integer, **LocationNumber**: Integer, **DepartmentName**: String, Position: String, EmployeeName: String, EmployeePhone: String, SIN: Integer, EmployeeAddress: String, Wage: Integer)