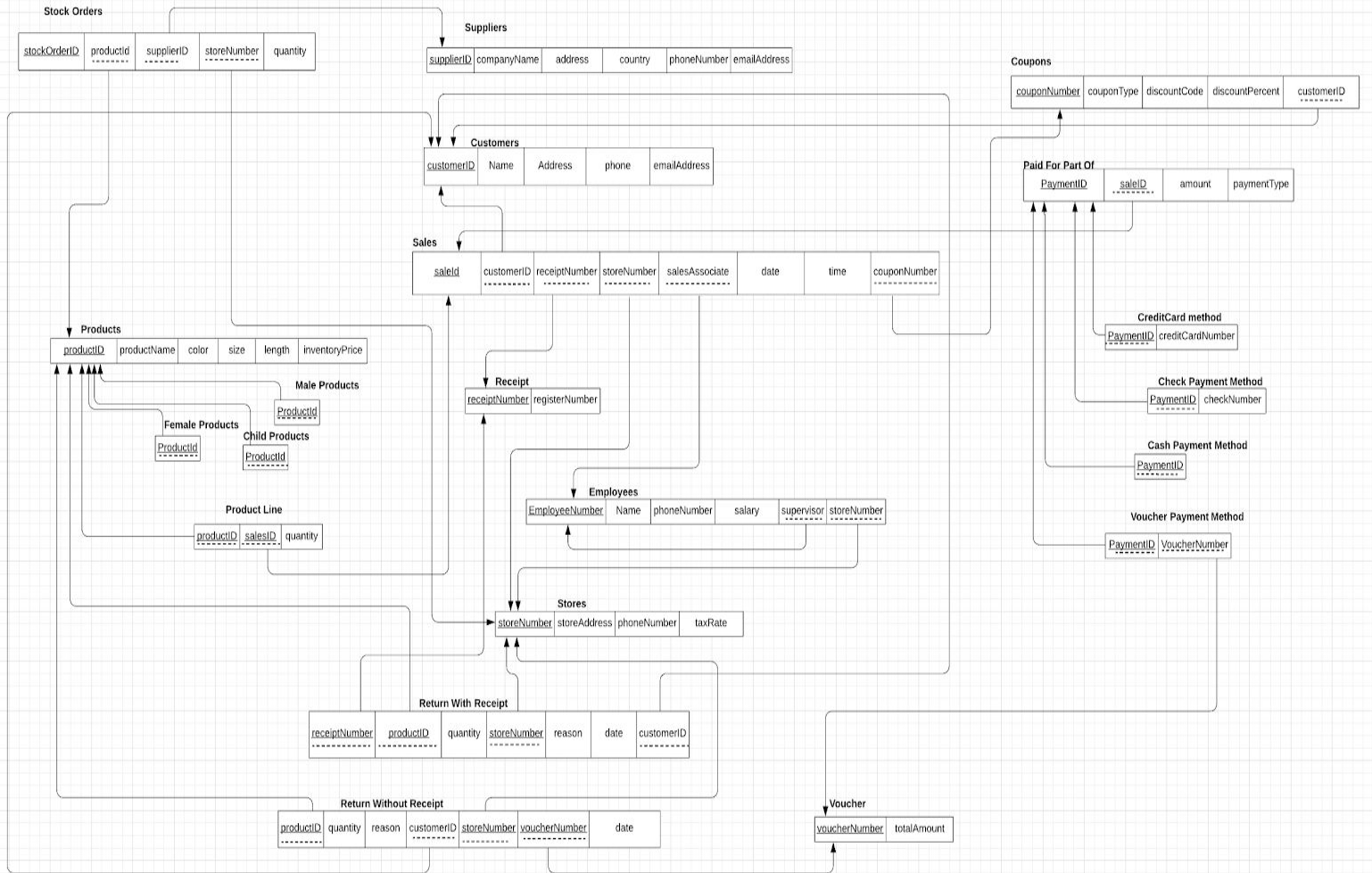


Box Diagram



Domain Definitions

Customers

<u>Attribute</u>	<u>Domain Name</u>	<u>Description</u>	<u>Domain</u>
CustomerID	Customer's IDs	Set of all of the identification numbers used to identify customers of the Tennis Shack.	Character: size 15
Name	Customer's full name	Set of all of the full names of customers of the Tennis Shack	Character: size 50
Address	Customer's primary address	Set of all of the addresses of the primary residences of customers of the Tennis Shack.	Character: size 50
phone	Customer's phone number	Set of all of the phone numbers of customers of the Tennis Shack.	Character: size 25
emailAddress	Customer's email address	Set of all of the email addresses of the customers of the Tennis Shack.	Character: size 25

Sales

<u>Attribute</u>	<u>Domain Name</u>	<u>Description</u>	<u>Domain</u>
saleID	Sale IDs	Set of all of the identification numbers used to identify sales that took place at any store in the Tennis Shack chain.	Character size: 15
customerID	Customer IDs	Set of all of the identification numbers used to identify customers of the Tennis Shack who have made a purchase. All entries must match an existing CustomerID in the CustomerID set of the Customers table.	Character: size 15
date	Sale date	Set of all of the dates at which sales took place at a Tennis Shack store.	Date: Format mm/dd/yy

time	Sale time	Set of all of the times at which sales took place at the Tennis Shack store.	Time: Format hh:mm:ss
receiptNumber	Receipt ID number	Set of all numbers used to identify receipts of sales at the Tennis Shack. All entries must match an existing receiptNumber in the receiptNumber set of the Receipt table.	Character: size 15
storeNumber	Store ID number	Set of all of the numbers used to identify the Shack's store locations that have had a sale made. All entries must match an existing storeNumber in the storeNumber set of the Stores table.	Character: size 15
salesAssociate	Sales Associate ID number	Set of all of the employees who have made a sale at the Tennis Shack. All entries must match an existing Employee in the EmployeeNumber set of the Employees table.	Character: size 15
couponNumber	Coupon ID number	Set of all the coupons that have been used to discount a sale at the Tennis shack. All entries must match an existing couponNumber in the couponNumber set of the Coupons table.	Character: size 15

Suppliers

<u>Attribute</u>	<u>Domain Name</u>	<u>Description</u>	<u>Domain</u>
supplierID	Supplier ID number	Set of all of the identification numbers used to identify suppliers of the Tennis Shack.	Character: size 15
companyName	Supplier's Company Name	Set of all company names of suppliers of the Tennis Shack.	Character: size 50

Address	Supplier's address	Set of all of the addresses belonging to suppliers of the Tennis Shack.	Character: size 50
phoneNumber	Supplier's phone number	Set of all of the phone numbers belonging to suppliers of the Tennis Shack.	Character: size 25
emailAddress	Supplier's email address	Set of all of the email addresses belonging to suppliers of the Tennis Shack.	Character: size 25

Stock Orders (*Manifest Line Items*)

<u>Attribute</u>	<u>Domain Name</u>	<u>Description</u>	<u>Domain</u>
stockOrderID	Stock Order ID	Set of all of the IDs of the stock orders that have been sent to stores. This was incorporated to allow the same store to re-order the same quantity of products from the same supplier multiple times.	Character: size 15
productID	Product ID	Set of all of the IDs of the products that have been sent in stock orders. All entries must match an existing productID in the productID set of the Products table.	Character: size 15
supplierID	Sent Supplier ID	Set of all of the IDs of suppliers who have sent stock orders to a store. All entries must match an existing supplierID in the supplierID set of the Suppliers table.	Character: size 15
storeNumber	Receiving Store ID	Set of all of the IDs of stores who have received stock orders from a supplier. All entries must match an existing storeNumber in the	Character: size 15

		storeNumber set of the Stores table.	
quantity	Quantity of Product	Set of all of the quantities of the products that have been sent in stock orders.	Integer: 6 digits

Stores

<u>Attribute</u>	<u>Domain Name</u>	<u>Description</u>	<u>Domain</u>
storeNumber	Store ID Number	Set of all unique storeNumbers used to identify the Tennis Shacks	Character: size 15
storeAddress	Store's address	Set of all the addresses of the Tennis Shack stores.	Character: size 50
phoneNumber	Store's phone number	Set of all of the phone numbers belonging to the Tennis Shack stores.	Character: size 25
taxRate	Store's tax rate	A tax rate percentage based on the store's address.	Double: 5 digits

Coupons

<u>Attribute</u>	<u>Domain Name</u>	<u>Description</u>	<u>Domain</u>
couponNumber	Coupon ID number	Set of all of the IDs of coupons.	Character: size 15
couponType	Coupon Type	Set of all of the types of coupons.	Character: size 10
discountCode	Coupon's Discount Code	Set of all of the discount codes of coupons.	Character: size 15
discountPercent	Coupon's Discount Percent	Set of all of the discount percentages of coupons.	Double: 4 digits
customerID	Customer ID	Set of all of the customers who have received coupons. All entries must match an existing customerID in the customerID set of the	Character: size 15

		Customers table.	
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Employees

<u>Attribute</u>	<u>Domain Name</u>	<u>Description</u>	<u>Domain</u>
EmployeeNumber	Employee ID Number	Set of all of the ID's of employees at the Tennis Shack.	Character: size 15
Name	Employee name	Set of all of the names of employees at the Tennis Shack.	Character: size 50
phoneNumber	Employee phone number	Set of all of the phone numbers of employees at the Tennis Shack.	Character: size 25
salary	Employee salary	Set of all of the salaries of employees at the Tennis Shack.	Double: 9 digits
supervisor	Employee supervisor	Set of all of the employeeIDs of employees who supervise other employees at the Tennis Shack. All entries must match an existing EmployeeNumber in the EmployeeNumber set of the Employees table.	Character: size 15
storeNumber	Employee store number	Set of all of the store numbers where employees of the Tennis Shack work. All entries must match an existing storeNumber in the storeNumber set of the Stores table.	Character: size 15

Receipt

<u>Attribute</u>	<u>Domain Name</u>	<u>Description</u>	<u>Domain</u>
receiptNumber	Receipt ID number	Set of all receipt Numbers generated from sales at the	Character: size 15

		Tennis Shack.	
registerNumber	Register ID Number	Set of all of the register numbers where these receipts were generated from sales at the Tennis Shack.	Character: size 15

Return With Receipt

<u>Attribute</u>	<u>Domain Name</u>	<u>Description</u>	<u>Domain</u>
receiptNumber	Receipt ID Number	Set of all of the receipt ID numbers of returns with receipts at the Tennis Shack. All entries must match an existing receiptNumber in the receiptNumber set of the Receipt table.	Character: size 15
productID	Returned product ID number	Set of all of the productIDs of items that have been returned with a receipt at the Tennis Shack. All entries must match an existing productID in the productID set of the Products table.	Character: size 15
quantity	Returned product quantity	Set of the quantities of products that were returned to the Tennis Shack with a receipt.	Integer: 3 digits
storeNumber	Store Number of product return	Set of all of the storeNumbers of stores at which products were returned to the Tennis Shack with a receipt. All entries must match an existing storeNumber in the storeNumber set of the Stores table.	Character: size 15
reason	Reason for return	Set of the reasons products were returned to the Tennis Shack with a receipt.	Character: size 500

date	Date of return	Set of the dates products were returned to the Tennis Shack with a receipt.	Date: Format mm/dd/yy
customerID	Customer ID	Set of all of the customer ID numbers of customers who returned products to the Shack with a receipt.	Character: size 15

Return Without Receipt

<u>Attribute</u>	<u>Domain Name</u>	<u>Description</u>	<u>Domain</u>
productID	Returned product ID number	Set of all of the productIDs of items that have been returned without a receipt at the Tennis Shack. All entries must match an existing productID in the productID set of the Products table.	Character: size 15
quantity	Returned product quantity	Set of the quantities of products that were returned to the Tennis Shack without a receipt.	Integer: 3 digits
storeNumber	Store Number of product return	Set of all of the storeNumbers of stores at which products were returned to the Tennis Shack without a receipt. All entries must match an existing storeNumber in the storeNumber set of the Stores table.	Character: size 15
reason	Reason for return	Set of the reasons products were returned to the Tennis Shack without a receipt.	Character: size 500
date	Date of return	Set of the dates products were returned to the Tennis Shack without a receipt.	Date: Format mm/dd/yy
customerID	Customer ID	Set of all of the customer ID	Character: size 15

		numbers of customers who returned products to the Shack with a receipt. All entries must match an existing customerID in the customerID set of the Customers table.	
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Paid for Part of

<u>Attribute</u>	<u>Domain Name</u>	<u>Description</u>	<u>Domain</u>
PaymentID	Payment ID	Set of all of the PaymentIDs that have been used to pay for part of a sale.	Character: size 15
saleID	Sale ID	Set of all of the SaleIDs that have had part of their total amount paid for. All entries must match an existing saleID in the saleID set of the Sales table.	Character: size 15
amount	Amount	Set of all of the amounts that have contributed to part of a full sale price.	Double: 7 digits
paymentType	Payment Type	Set of all of the payment types that have been used to pay for part of a sale.	Character: size 10

Voucher

<u>Attribute</u>	<u>Domain Name</u>	<u>Description</u>	<u>Domain</u>
voucherNumber	Voucher Number	Set of all of the voucher numbers that have been generated for customers to use as a form of payment at the Tennis Shack.	Character: size 15
totalAmount	Total Amount	Set of all of the total amounts of the vouchers generated for customers to use as a form of payment at	Double: 6 digits

		the Tennis Shack.	
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Voucher Payment Method

<u>Attribute</u>	<u>Domain Name</u>	<u>Description</u>	<u>Domain</u>
PaymentID	Voucher's PaymentID	Set of all of the payment IDs of vouchers. All entries must match an existing paymentID in the paymentID set of the 'Paid for part of' table.	Character: size 15
VoucherNumber	Voucher Number	Set of all of the voucher numbers of vouchers. All entries must match an existing voucherNumber in the voucherNumber set of the Vouchers table.	

CreditCard Payment Method

<u>Attribute</u>	<u>Domain Name</u>	<u>Description</u>	<u>Domain</u>
PaymentID	Credit Card's Payment ID	Set of all of the payment IDs of credit cards. All entries must match an existing paymentID in the paymentID set of the 'Paid for part of' table.	Character: size 15
creditCardNumber	Credit Card Number	Set of all of the credit card numbers used for payments.	Character: size 16

Cash Payment Method

<u>Attribute</u>	<u>Domain Name</u>	<u>Description</u>	<u>Domain</u>
PaymentID	Cash's Payment ID	Set of all of the payment IDs of cash payments.	Character: size 15
cashPaid	Cash Paid	Set of all of the cash amounts used for payments.	Double: 7 digits

Check Payment Method

<u>Attribute</u>	<u>Domain Name</u>	<u>Description</u>	<u>Domain</u>
PaymentID	Check's Payment ID	Set of all of the payment IDs of check payments.	Character: size 15
checkNumber	Check Number	Set of all of the checkNumbers of checks used for payment at the Tennis Shack.	Character: size 40
name	Name on Check	Set of all of the names on the checks used for payment at the Tennis Shack.	Character: size 50
date	Date of Check	Set of all of the dates on the checks used for payment at the Tennis Shack.	Date: Format mm/dd/yy

Products

<u>Attribute</u>	<u>Domain Name</u>	<u>Description</u>	<u>Domain</u>
productID	Product ID	Set of all of the identification numbers used to identify the Tennis Shack's products.	Character: size 15
productName	Product Name	Set of all of the names of the Tennis Shack's products	Character: size 50
color	Product Color	Set of all of the colors of the Tennis Shack's products.	Character: size 10
size	Product Size	Set of all of the sizes of the Tennis Shack's products.	Character: size 10
length	Product Length	Set of all of the lengths of the Tennis Shack's products.	Character: size 10
inventoryPrice	Product Inventory Price	Set of all of the inventory prices of the Tennis Shack's products.	Double: 7 digits

Product Line

<u>Attribute</u>	<u>Domain Name</u>	<u>Description</u>	<u>Domain</u>
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productID	Product ID	A set of all of the productIDs that have been a part of a product line. All entries must match an existing productID in the productID set of the products table.	Character: size 15
saleID	Sale ID	A set of all of the saleIDs that have product lines. All entries must match an existing saleID in the saleID set of the sales table.	Character: size 15
quantity	Quantity	A set of all of the quantities of products purchased in each product line of a sale.	Integer: 4 digits

Female Products

<u>Attribute</u>	<u>Domain Name</u>	<u>Description</u>	<u>Domain</u>
ProductID	Product ID	A set of all of the productIDs that fit in the female products category. All entries must match an existing productID in the productID set of the products table.	Character: size 15

Male Products

<u>Attribute</u>	<u>Domain Name</u>	<u>Description</u>	<u>Domain</u>
ProductID	Product ID	A set of all of the productIDs that fit in the male products category. All entries must match an existing productID in the productID set of the products table.	Character: size 15

Child Products

<u>Attribute</u>	<u>Domain Name</u>	<u>Description</u>	<u>Domain</u>
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ProductID	Product ID	A set of all of the productIDs that fit in the children's products category. All entries must match an existing productID in the productID set of the products table.	Character: size 15
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