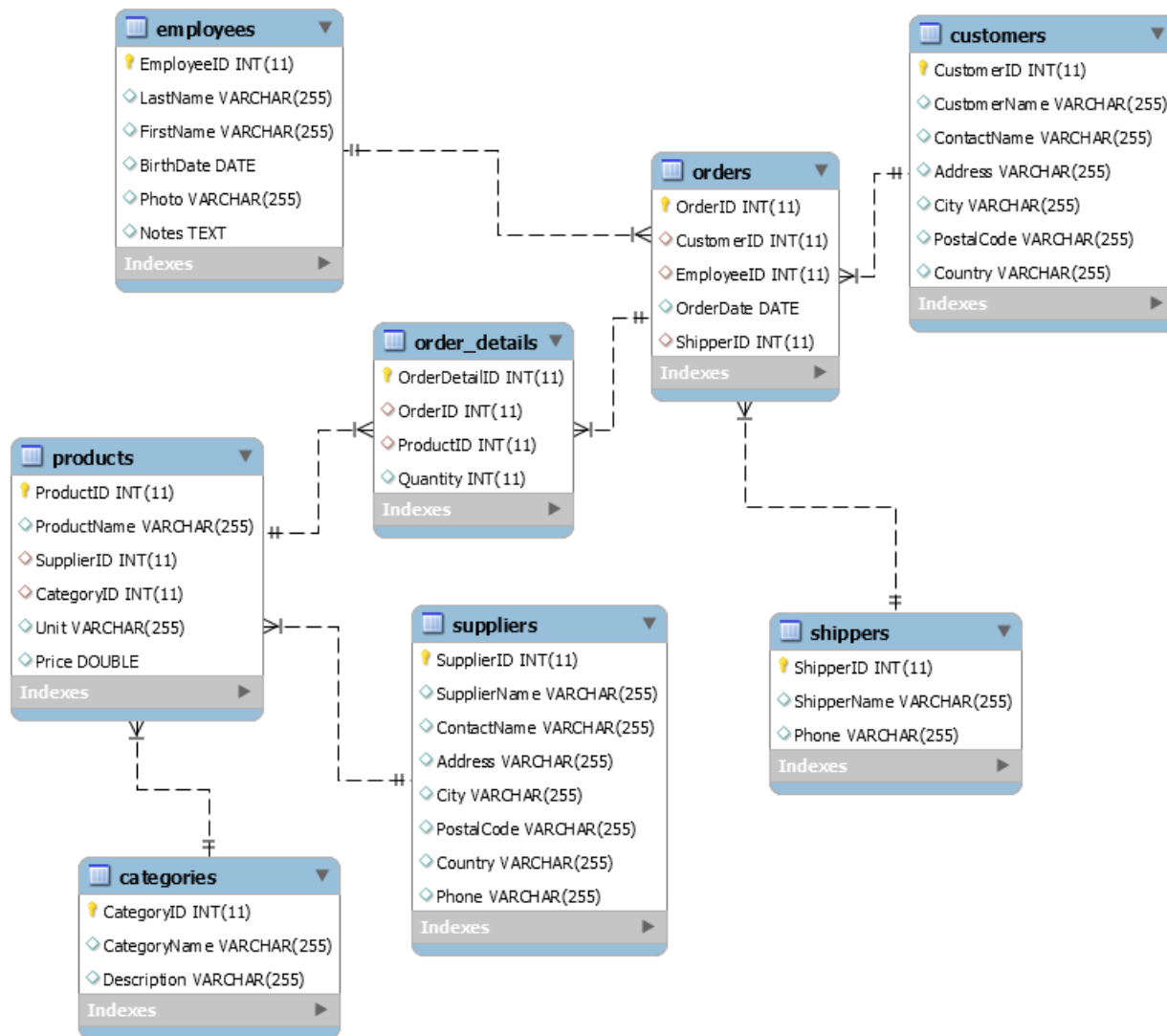


Project 8 – Design E-commerce database

After understanding business, database designer has made the following Scheme:



Our task is to implement this database with SQL.

Task 1 – Create database with name “E-commerce”.

Example:

```
CREATE DATABASE IF NOT EXISTS `w3schools`  
USE `w3schools`.
```

Task 2 - Start Making tables

- Name the table
- Insert columns name
- Select column type

Example:

```
CREATE TABLE `categories` (  
  `CategoryID` int(11) NOT NULL,  
  `CategoryName` varchar(255) DEFAULT NULL,  
  `Description` varchar(255) DEFAULT NULL  
)
```

Task 3 – Insert data into tables

Example:

```
INSERT INTO `categories` (`CategoryID`, `CategoryName`, `Description`)  
VALUES  
(1, 'Beverages', 'Soft drinks, coffees, teas, beers, and ales'),  
(2, 'Condiments', 'Sweet and savory sauces, relishes, spreads, and seasonings'),  
(3, 'Confections', 'Desserts, candies, and sweet breads'),  
(4, 'Dairy Products', 'Cheeses'),
```

Task 4 – add primary keys

Example:

```
ALTER TABLE `employees`  
  ADD PRIMARY KEY (`EmployeeID`);
```

Task 5 – Add foreign keys

Example:

```
ALTER TABLE `order_details`  
  ADD CONSTRAINT `order_details_ibfk_1` FOREIGN KEY (`OrderID`)  
  REFERENCES `orders` (`OrderID`),  
  ADD CONSTRAINT `order_details_ibfk_2` FOREIGN KEY (`ProductID`)  
  REFERENCES `products` (`ProductID`);
```