Databases final project

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Introduction

Our program is a store management system designed to handle various objects, including products, orders, invoices, shipping companies, and more. The system features a circular menu that allows users to perform a range of actions, such as adding or removing products, orders, or shipping companies. Additionally, the system can display the store's total profit or the profit generated by a specific product.

The database within the system is used to store and manage all relevant information. Store employees, who are the system's primary users, will operate it to manage inventory and orders, both in-store and online.

Introduction

Countries - Includes country names along with tax information used for pricing and shipping calculations.

Shipping Company - The shipping companies we collaborate with.

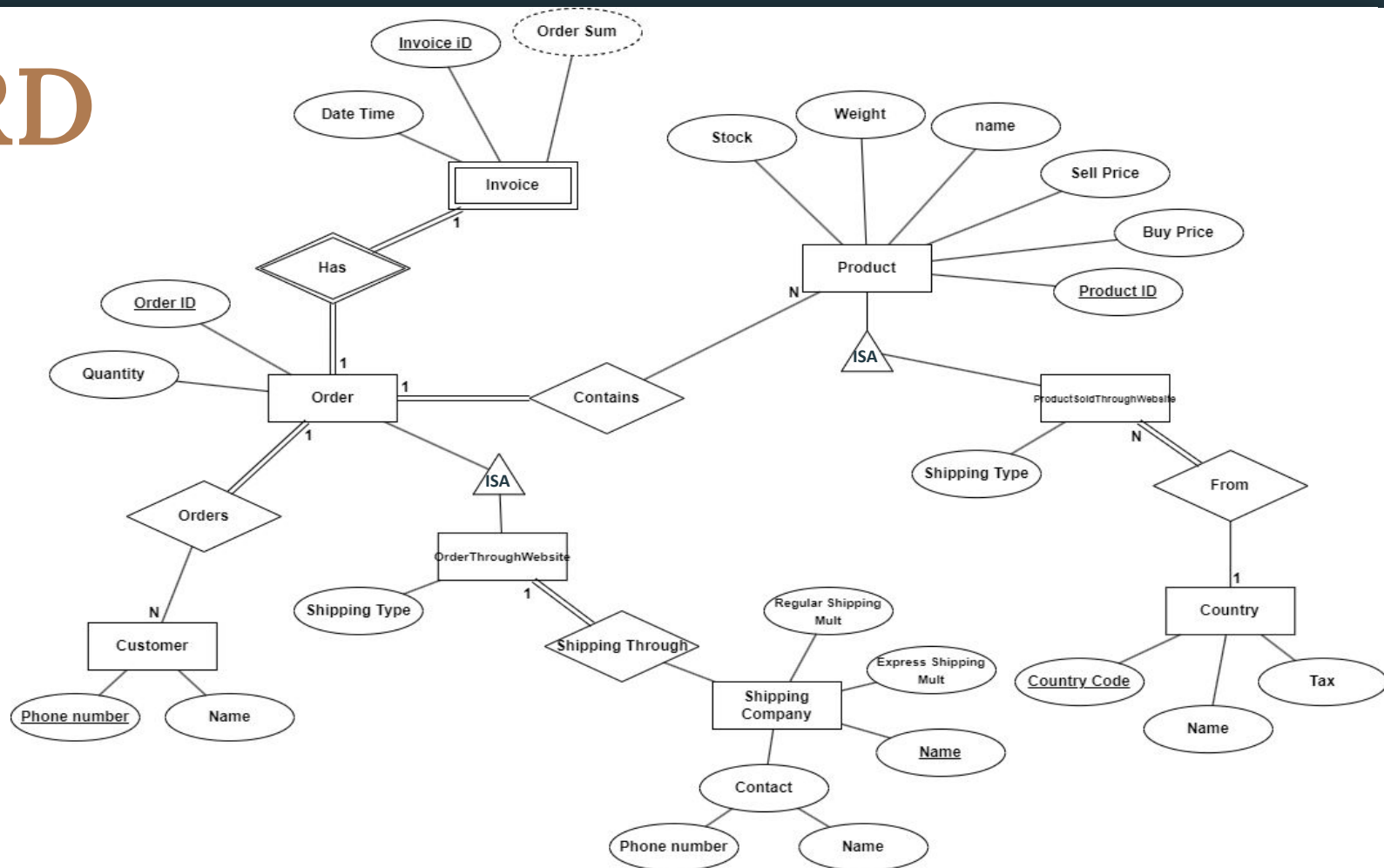**Customer** - The customer information.

Product - Refers to the products available in store, classified into three categories based on the order source: Website, Store, and Wholesalers. If the product is sold through the website, it will also include the source country and the available shipping options (Express, Standard, or both).

Introduction

Order - Contains details for each order, including the product sold (with each order linked to exactly one product), the quantity ordered, the customer information, and, if the order was made through the website, the associated shipping company and shipping type (Express or Standard).

Invoices - Generated only for in-country product sales (no invoices are kept for products sold through the website). Each invoice will include the order details and the time of the order.

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Tables Definitions

Product: (code, name, buyprice, sellprice, weight, stock, type, countrycode*, shippingtype)

    *References Country

Invoice: (ID, orderID*, date)

    *References Order

Order: (orderID, customerphonenumber*, quantity, product**, shippingtype, shippingcompany***)

    * References Customer

    ** References Product

    *** References ShippingCompany

Customer: (phone, name)

Country: (code, name, tax)

ShippingCompany:(name, contactname, contactnumber, expressshippingmult, regulrarshippingmult)