

Information Systems and Data Modeling – IT1090



Assignment

Title: Online Fashion Store

Batch Number: 24/Y1/S2/MTR-13




Group Number: 24/Y1/S2/MTR-13



Declaration:

We hold a copy of this assignment that we can produce if the original is lost or damaged.

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Hypothetical Scenario

Most people in current society use online shopping gateways to purchase different kinds of items that they need in day today's life. "NOURA" online fashion platform providing them many different features such as convenience time saving features, large variety of products to purchase and secure payment methods are just few of them.

Customer is logging to the system by providing their customer Id, name (first name, last name), email and age. The customer Id is unique for the customer and age is dependent on the customer's date of birth. The customer has one or more contact numbers. Customer can only login once, but login can hold many customers when login is completed.

Login has unique login Id, username, password, and account status. After the login customer can view many items. Items have once login. Items have Item Id, name and unit price and discount. Item belongs to many customers and customers belongs to many items.

When a customer finds an items, they wish to purchase, they add it to their shopping cart. Each shopping cart has a unique cart Id. One item can add one cart and one cart can add to many cart items.

One cart is made of many cart items and cart items have one cart. Cart items have unique cart Id, number of items, quantity, and total price. The cart keeps track of the selected and calculates the total price.

Order has unique order Id, order name, order date and number of orders. One order adds to many cart items and cart items have one order. Once the payment is successful an order is orated. At the checkout stage, the customer chooses a payment type. It has a card and PayPal. It provides necessary details for processing the payment like amount. Each payment has a unique payment Id. Once order has one payment and once payment verifies many orders.

After the payment is issued the receipt. Then the receipt has a unique receipt Id, total payment, discount, and payment types. Once payment is issued one receipt. One receipt has one payment.

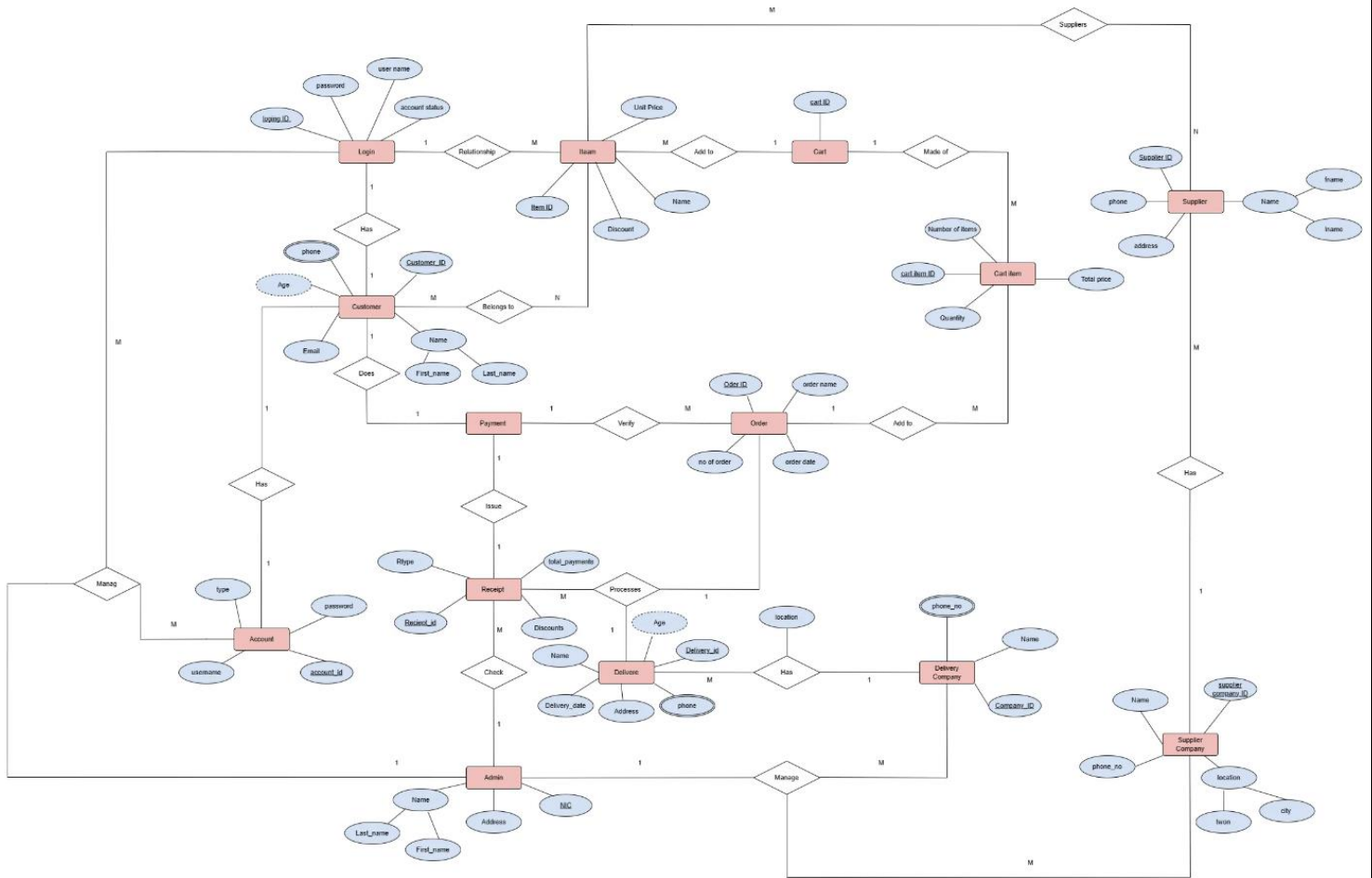
Once the receipt is issued, the message will be sent to the deliverer. The deliverer has unique Id, delivery date, address, name, many phone numbers and age. The deliverer's age is dependent on his Date of Birth. The deliverer has many receipts and receipt has one deliverer.

"NOURA" Company collaborates with various delivery companies. Each delivery company has a company Id, name, and many phone numbers. Deliverer has many delivery companies and Delivery Company has many deliverers. When delivery processing, delivery company and deliverer in same location.

Admins manage Delivery Company, Supplier Company, account, and login. Admin has unique NIC Number, address, last name and first name. Once admin manages many Delivery companies, Supplier companies, Accounts and Logins. Account, Login, Delivery Company and Supplier Company have once admin.

A customer has one Account and Account has one customer. Then the customer has unique account Id, account type, username, and password.

Item is supplied by many suppliers and suppliers supply many items. Supplier has unique supplier Id, phone number, address, last name and first name. Then supplier has Supplier Company. Once Supplier Company has many suppliers. Supplier Company has unique supplier Id, phone number, supplier name and location. The location has a town and city.



Link -

https://drive.google.com/file/d/1es2va0Kr_BBWeyGNh5_xztskBpt0g4_X/view?usp=sharing