Hoa's Waffle Cones: The Ice Cream Shop Database
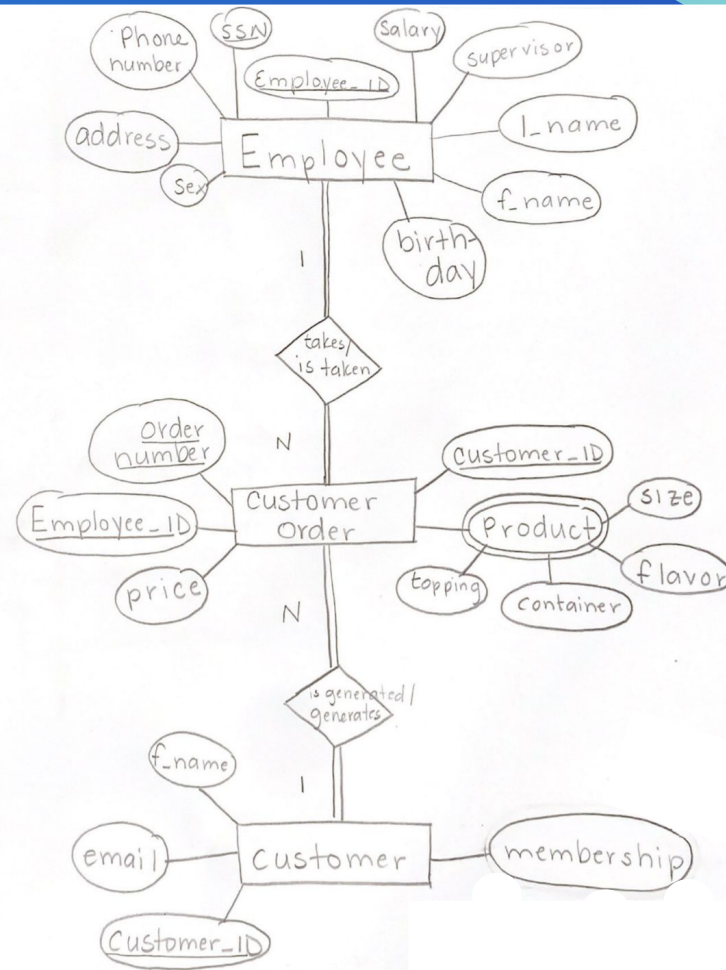
Lauren Dietzler, Hoa Huynh and Marion Murzello
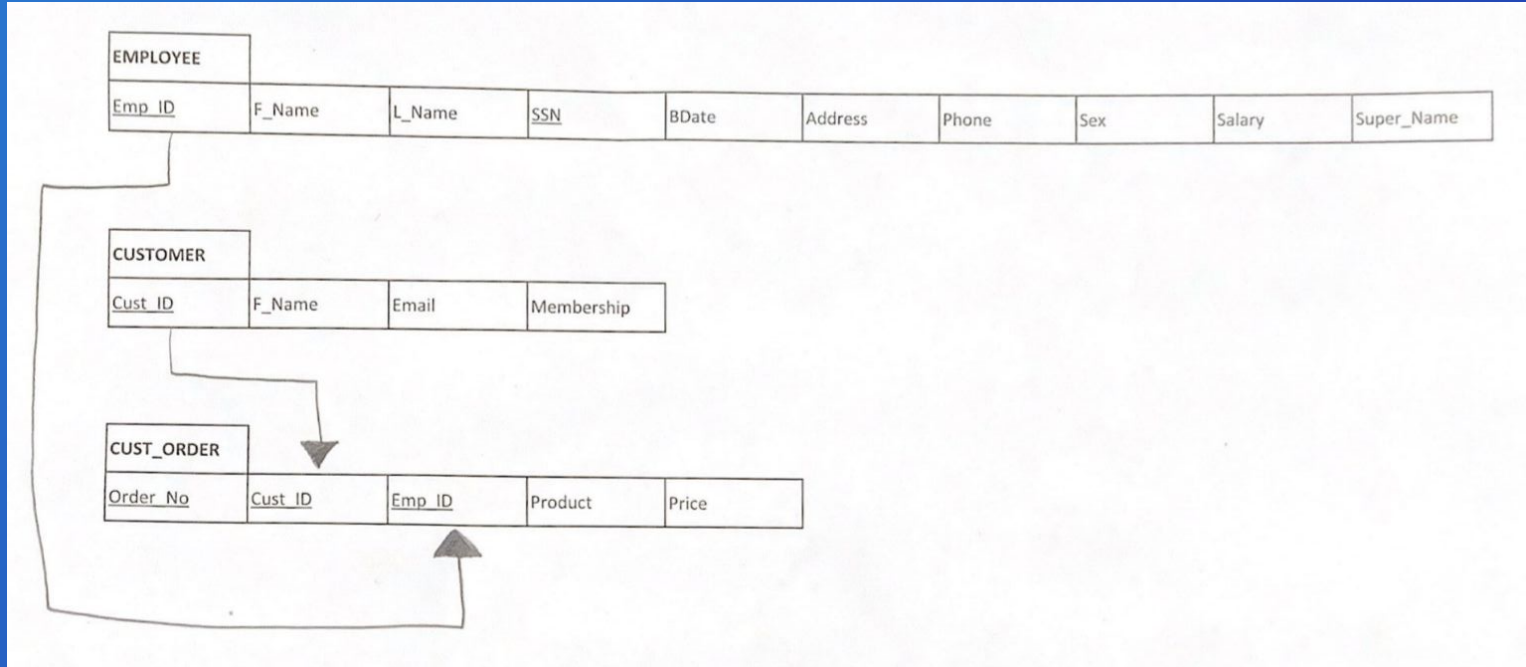
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Project Proposal

The goal of this project is to create a database that can be used by an ice cream shop to keep track of their orders, customers and employees. Keeping track of these things will help the business to run more smoothly and efficiently.

ER Diagram

Schema Representation of the ER Diagram

Business Rules and Restrictions

A customer can generate many orders.   *(1:N)*

Many orders can be generated by one customer.   *(N:1)*
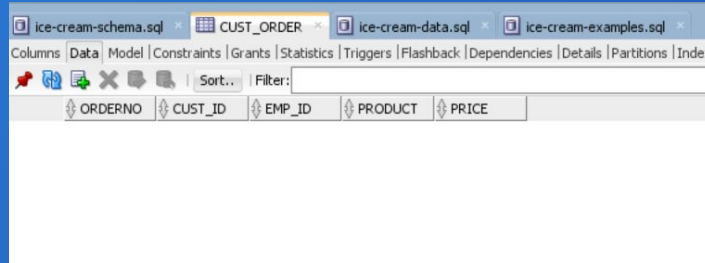

An employee can take many orders.   *(1:N)*

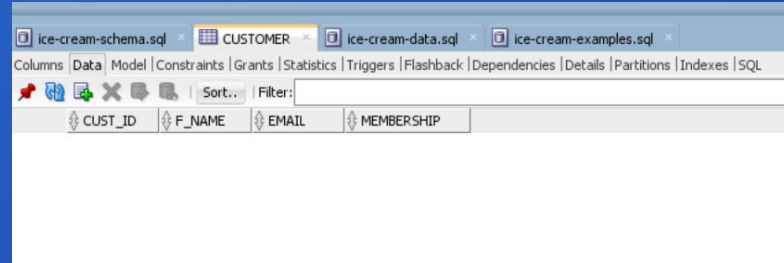*Many orders can be taken by one employee.*   *(N:1)*

Blank Schema

Data Insertion

Data Update

-- UPDATE Queries

--Increase Lauren's salary to $39.000

UPDATE employee SET salary = '39000' WHERE ssn = '786941234';

Data Select

-- SELECT Queries
-- Find customers who have spent at least 5 dollars in a single order and list their name and price of order
-- Order by price descending

SELECT f_name, price
     FROM customer c, cust_order o
     WHERE o.price >= '5' AND o.cust_ID = c.cust_ID
     ORDER BY o.price DESC;

Script Output ✕   Query Result ✕

📌 🖨 🔃 🔚 SQL | All Rows Fetched: 4 in 0.013 seconds
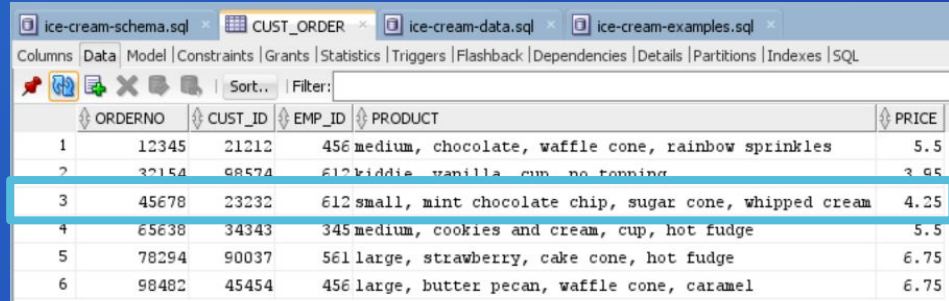
	F_NAME	PRICE
1	Amanda	6.75
2	Sheila	6.75
3	Mitch	5.5
4	Edward	5.5

Data Delete

-- DELETE Queries
-- Cancel Order Number 45678
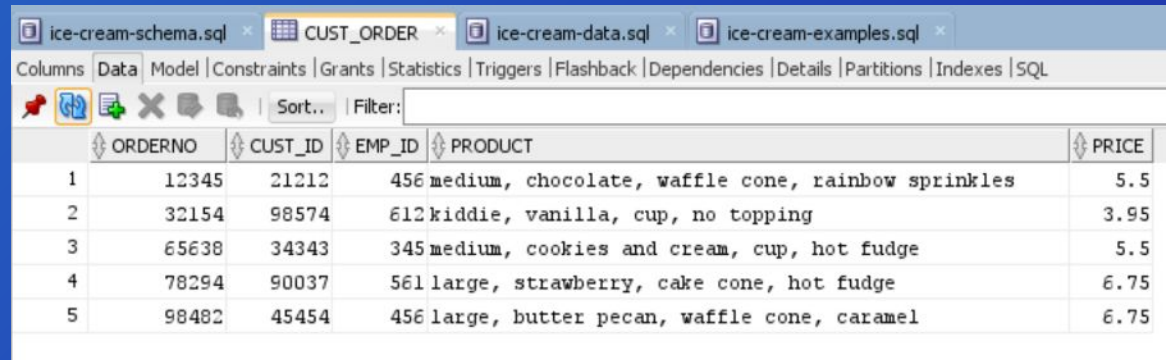
DELETE FROM cust_order
WHERE orderno = '45678';

	ORDERNO	CUST_ID	EMP_ID	PRODUCT	PRICE
1	12345	21212	456	medium, chocolate, waffle cone, rainbow sprinkles	5.5
2	32154	98574	612	kiddie, vanilla, cup, no topping	3.95
3	45678	23232	612	small, mint chocolate chip, sugar cone, whipped cream	4.25
4	65638	34343	345	medium, cookies and cream, cup, hot fudge	5.5
5	78294	90037	561	large, strawberry, cake cone, hot fudge	6.75
6	98482	45454	456	large, butter pecan, waffle cone, caramel	6.75

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Thank you for your time and attention!