Adaeze's Book Store

Employee Table

Column Name	Data Type	Description
employee_id	INT (PK)	Unique identifier for each employee.
first_name	VARCHAR(50)	Employee's first name.
last_name	VARCHAR(50)	Employee's last name.
email	VARCHAR(100)	Contact email for the employee.
role	VARCHAR(50)	Job title or role (e.g., cashier, admin).
hire_date	DATE	Date the employee was hired.

Customer Table

Column Name	Data Type	Description
customer_id	INT (PK)	Unique identifier for each custo
first_name	VARCHAR(50)	Customer's first name.
last_name	VARCHAR(50)	Customer's last name.
email	VARCHAR(100)	Contact email for the customer
phone_number	VARCHAR(20)	Customer's phone number.

Book Table

Column Name	Data Type	Description
book_id	INT (PK)	Unique identifier for each book.
title	VARCHAR(100)	Title of the book.
author	VARCHAR(100)	Author of the book.
price	DECIMAL(10,2)	Price of the book.
isbn	VARCHAR(20)	ISBN number of the book.
stock_quantity	INT	Number of copies in stock.

Order Table

Column Name	Data Type	Description
order_id	INT (PK)	Unique identifier for each order.
customer_id	INT (FK)	References customer_id in Customer.
order_date	DATE	Date the order was placed.
employee_id	INT (FK)	References employee_id in Employee.

Sales Table

Column Name	Data Type	Description
sale_id	INT (PK)	Unique identifier for each sale.
order_id	INT (FK)	References order_id in Order.
book_id	INT (FK)	References book_id in Book.
quantity	INT	Quantity of the book sold.
total_price	DECIMAL(10,2)	Total price for the sale (price * qty).

Shifts Table

Column Name	Data Type	Description
shift_id	INT (PK)	Unique identifier for each shift.
shift_name	VARCHAR(50)	Name of the shift (e.g., Morning, Evening).
start_time	TIME	Start time of the shift.
end_time	TIME	End time of the shift.

Employee_Shifts Table

Column Name	Data Type	Description
employee_shift_id	INT (PK)	Unique identifier for the assig
employee_id	INT (FK)	References employee_id in Employ
shift_id	INT (FK)	References shift_id in Shift.
shift_date	DATE	The date on which the employee works t

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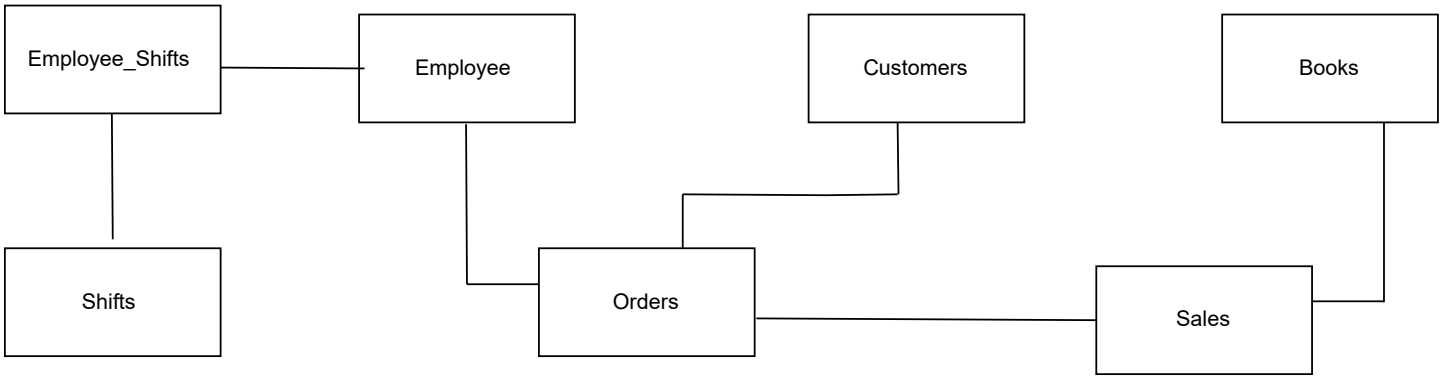
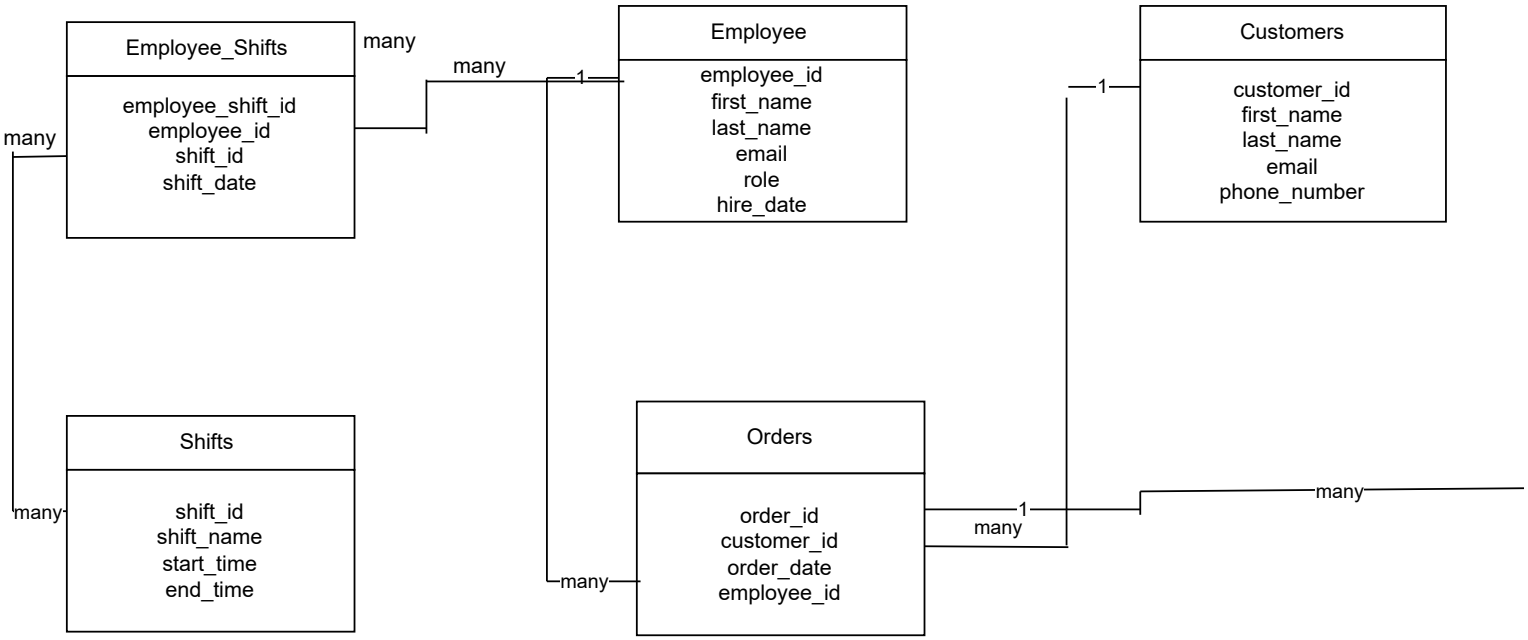
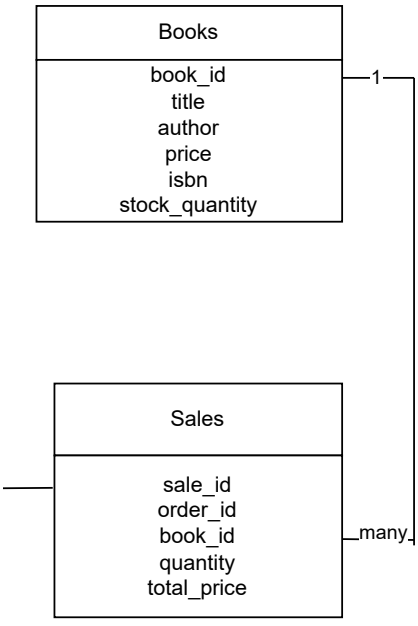
Conceptual Model



Logical model




Books
book_id
title
author
price
isbn
stock_quantity
1
Sales
sale_id
order_id
book_id
quantity
total_price
many

many

TABLE ARCHITECTURE EXAMPLE

TYPE 1: CUSTOMER_ADDRESS

Column Name	Data Type	Description
customer_id	INT (PK, FK)	Unique identifier for the customer.
address	VARCHAR(255)	Customer's current address.
city	VARCHAR(100)	City of the customer.
state	VARCHAR(100)	State of the customer.
postal_code	VARCHAR(20)	Postal code of the customer.
country	VARCHAR(50)	Country of the customer.

TYPE 2: CUSTOMER_ADDRESS

Column Name	Data Type	Description
customer_address_id	INT (PK)	Unique identifier for each address record.
customer_id	INT (FK)	Unique identifier for the customer.
address	VARCHAR(255)	Customer's address.
city	VARCHAR(100)	City of the customer.
state	VARCHAR(100)	State of the customer.
postal_code	VARCHAR(20)	Postal code of the customer.
country	VARCHAR(50)	Country of the customer.
start_date	DATE	Date when the address became effective.
end_date	DATE (NULL)	Date when the address was replaced (NULL if current).