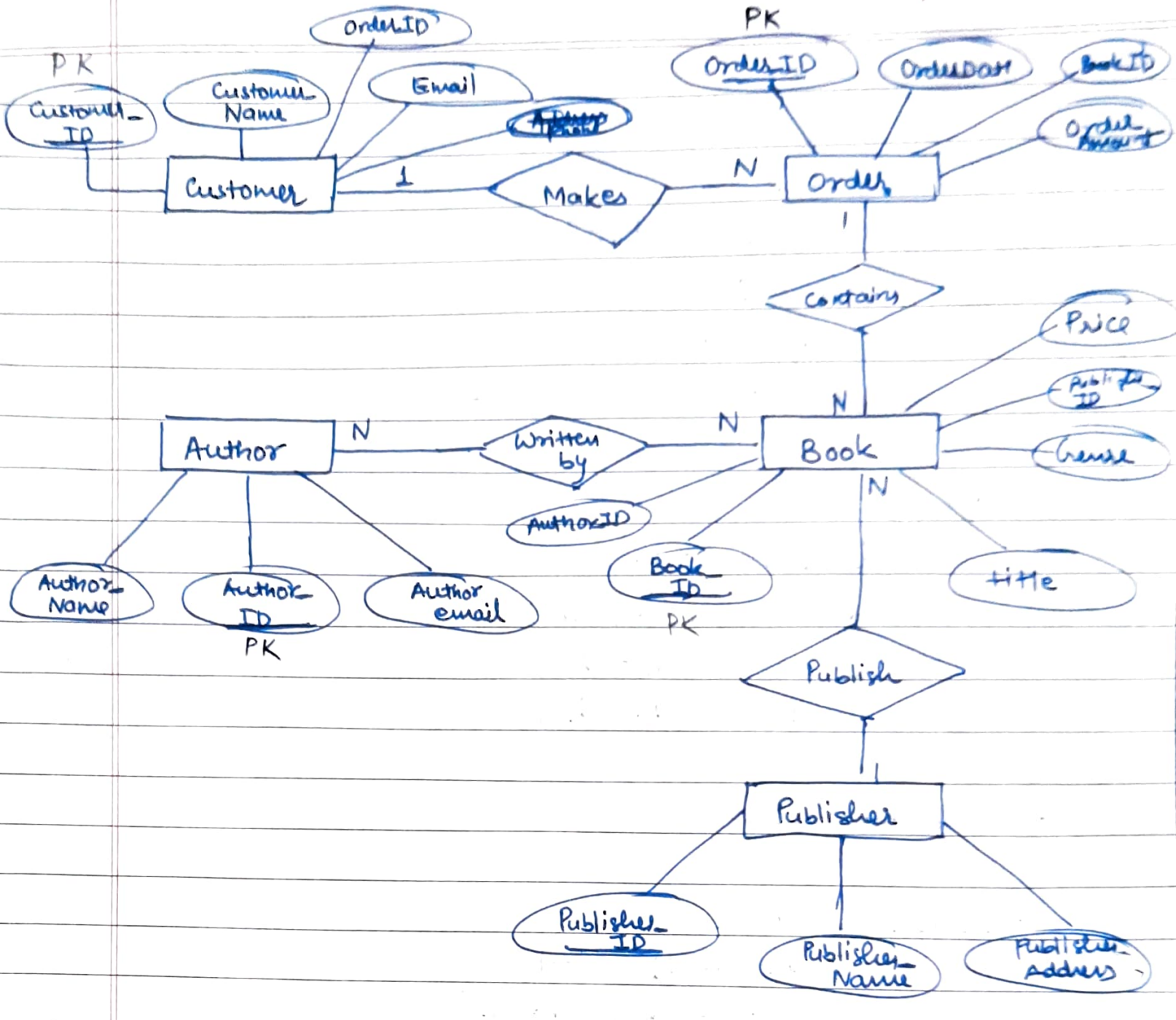
E-R-Diagram for a bookstore



- Book: Primary Key: BookID
- Author: Primary Key: AuthorID
- Order: Primary Key: OrderID
- Publisher: Primary Key: PublisherID

- Initial Schema

- Table: Customer
  - Customer_ID (P.K.)
  - Customer Name (Atomic)
  - Email (~~Non-Atomic~~)
  - ~~Address~~ Phone no (Non-Atomic)

- Table: Book
  - Book ID (P.K.)
  - ~~Name~~ Title (Atomic)
  - Genre (Atomic)
  - Price (Atomic)

- 1st Normal Form

- Table: Customer
  - Customer_ID (P.K.)
  - Customer_Name (Atomic)
  - Phone No (Atomic)

- Table: Order
  - Order_ID (P.K.)
  - Book_ID (F.K.)
  - Amount (Atomic)

- Table: Book
  - Book_ID (P.K.)
  - Book_Name (Atomic)
  - Genre (Atomic)
  - Price (Atomic)

- 2nd Normal Form (2NF)

- Table: Customer
  - Customer_ID (P.K.)
  - Customer_Name (Atomic)
  - Phone_No (Atomic)

- Table: Order
  - Order_ID (P.K.)
  - Customer_ID (F.K.)

- Table: Order ~~Book~~ Details
  - ~~Order~~ Order_Book_ID (P.K.)
  - Order_ID (F.K.)
  - Book_ID (F.K.)
  - ~~Bo~~ Amount (Atomic)

- Table: Book
  - Book_ID (P.K.)
  - ~~Book_Name~~ Title (Atomic)
  - Genre (Atomic)
  - Price (Atomic

- 3rd NF :-

- Table: Customer
  - Customer_ID (P.K.)
  - Customer_Name (Atomic)
  - Phone_No (Atomic)

- Table :- Order (2NF)
  - ~~Bo~~ Order_ID (P.K.)
  - Customer_ID
  - ~~(Genre order related al~~

- Table :- Book (2NF)
  - Book_ID (P.K.)
  - ~~Book_Name~~ Title (Atomic)
  - Genre (Atomic)
  - Price (Atomic)

- Table: Customer_Order
  - Order_ID (F.K)
  - Customer_ID (F.K.)