

Project Checkpoint 4

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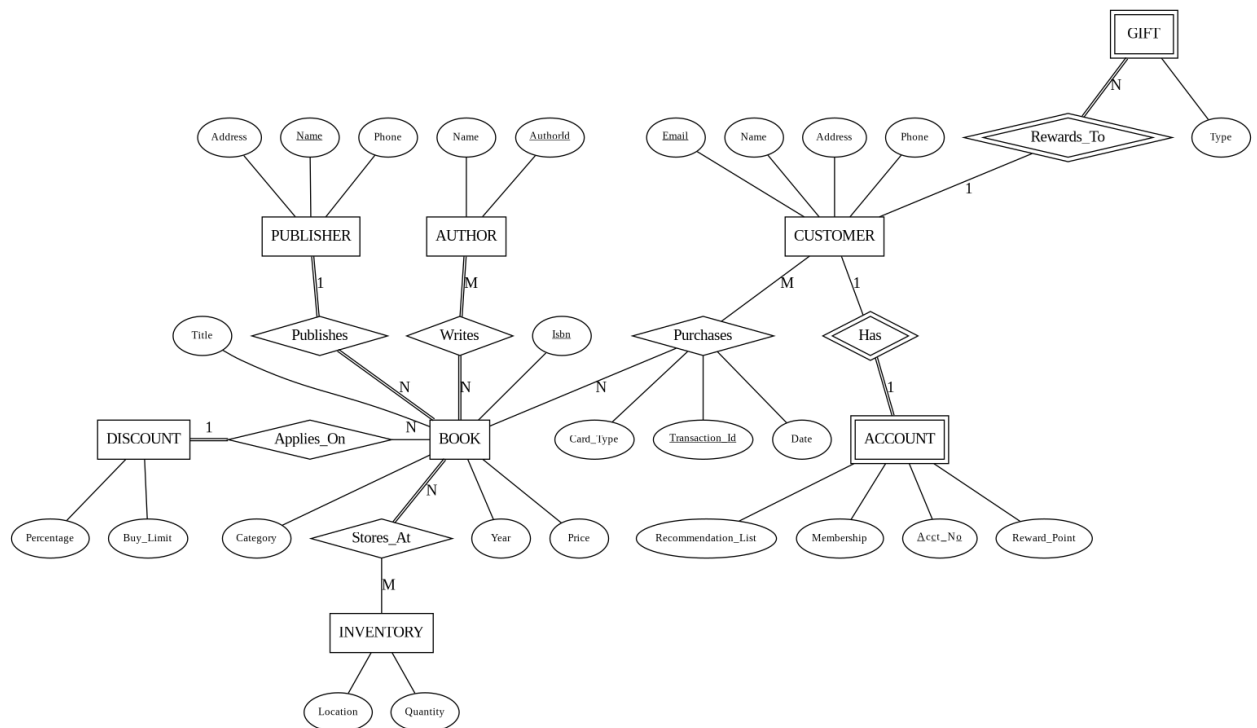
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1.



2. Book:

- Isbn -> {Title, Year, Price, Category}

Publisher:

- Name -> {Address, Phone}

Author:

- AuthorId -> Name

Customer:

- Email -> {Name, Address, Phone}

Account:

- Customer_Email -> {Membership, Reward_Point, Recommendation_List}

Purchases:

- Transaction_Id -> {Customer, Book, Card_type, Date}

Publishes:

- Isbn -> {Author_Id, Publisher_Name}

Writes:

- Isbn -> AuthorId

3. Book: BCNF
Publisher: BCNF
Author: BCNF
Customer: BCNF
Account: BCNF
Purchases: BCNF
Publishes: BCNF
Writes: BCNF
4. N/A
5. Two views:
 - a. All the titles and their dates of purchase made by each customer

```
CREATE VIEW CUSTOMER_P
AS  SELECT B.Title, P.Date
      FROM BOOK AS B, PURCHASE AS P, C AS CUSTOMER
      WHERE B.Isbn = P.Book
```
 - b. The total number of books purchased by each customer

```
CREATE VIEW CUSTOMER_N
AS  SELECT P.Customer, COUNT(Book)
      FROM PURCHASE AS P, CUSTOMER AS C
```