

Database ER Diagram



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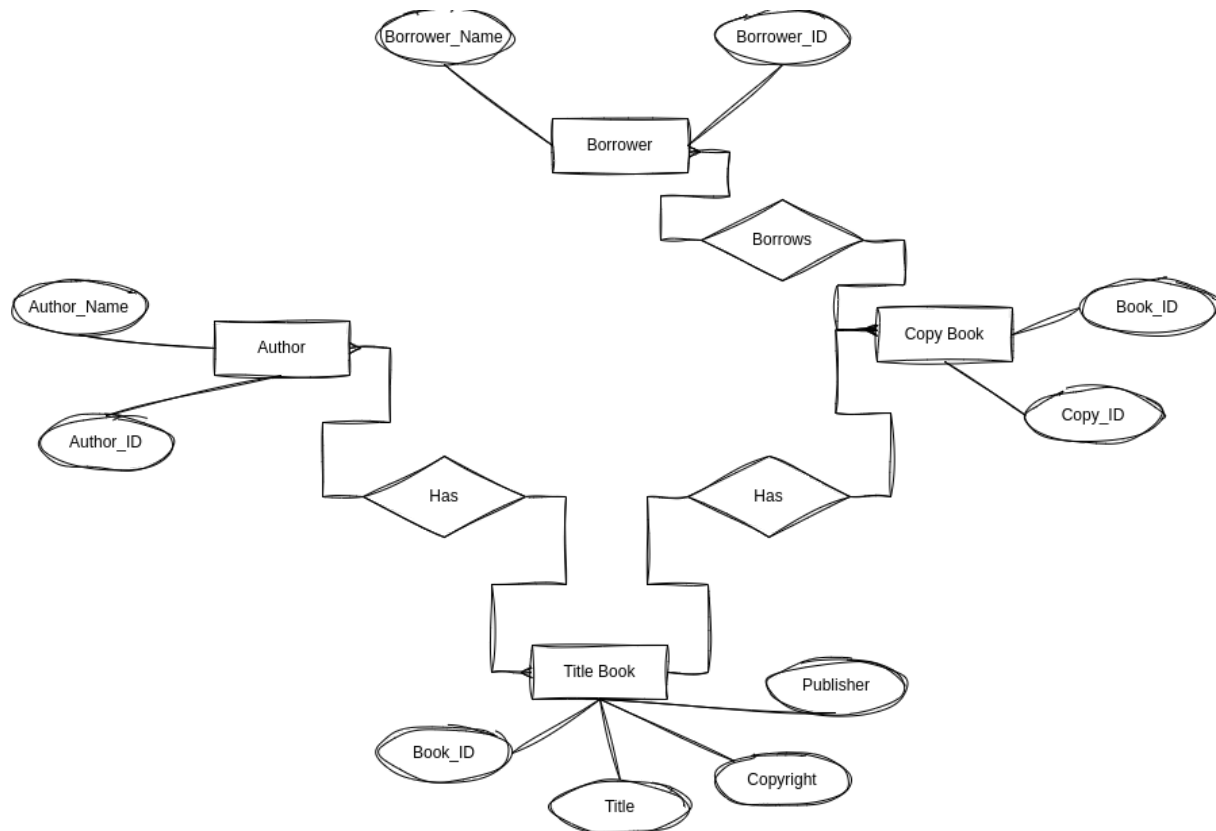
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A. Draw the ER diagram of the case presented above.



B. What relationship exists between BOOKTITLE and BOOKCOPY if there is.

The relationship between BOOKTITLE and BOOKCOPY is one to many. because BOOKTITLE can have many BOOKCOPY.

C. What relationship exists between BOOKTITLE and BORROWER if there is?

The relationship between BOOKTITLE and BORROWER is many to many. Because BOOKTITLE can borrowed by many borrower and many borrower can borrow BOOKTITLE.

D. How many relationships or associations exist in the ER Model for the given problem?

There are 3 relations such as :

- Relation between BOOKTITLE and BOOKCOPY is one to many.
- Relation between BOOKTITLE and BORROWER is many to many.
- Relation between BOOKTITLE and AUTHOR is many to many.

E. What will be the attributes of the BookCopy table including the primary keys and foreign keys?

CopyID have primary keys and BookID have foreign keys.

F. What foreign key will be set for the BOOKTITLE and BOOKCOPY relationship?

the attribute that will have foreign key is BookID and CopyID because both are unique.