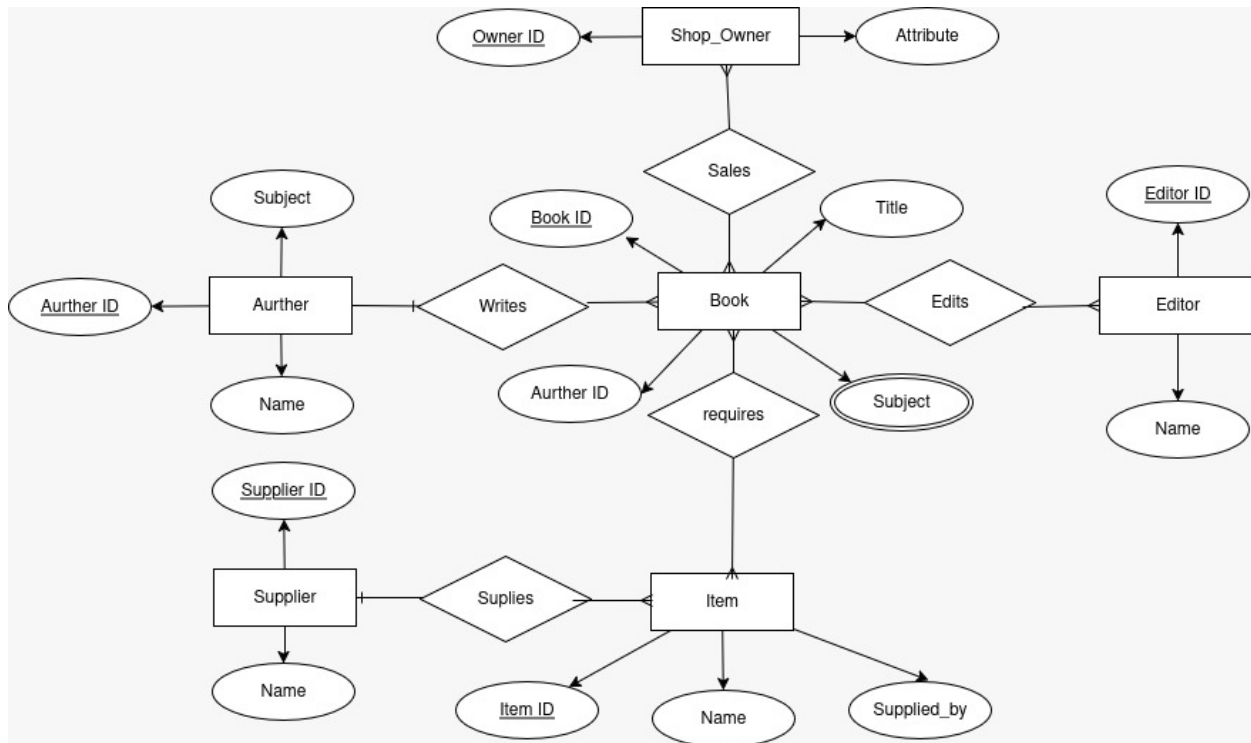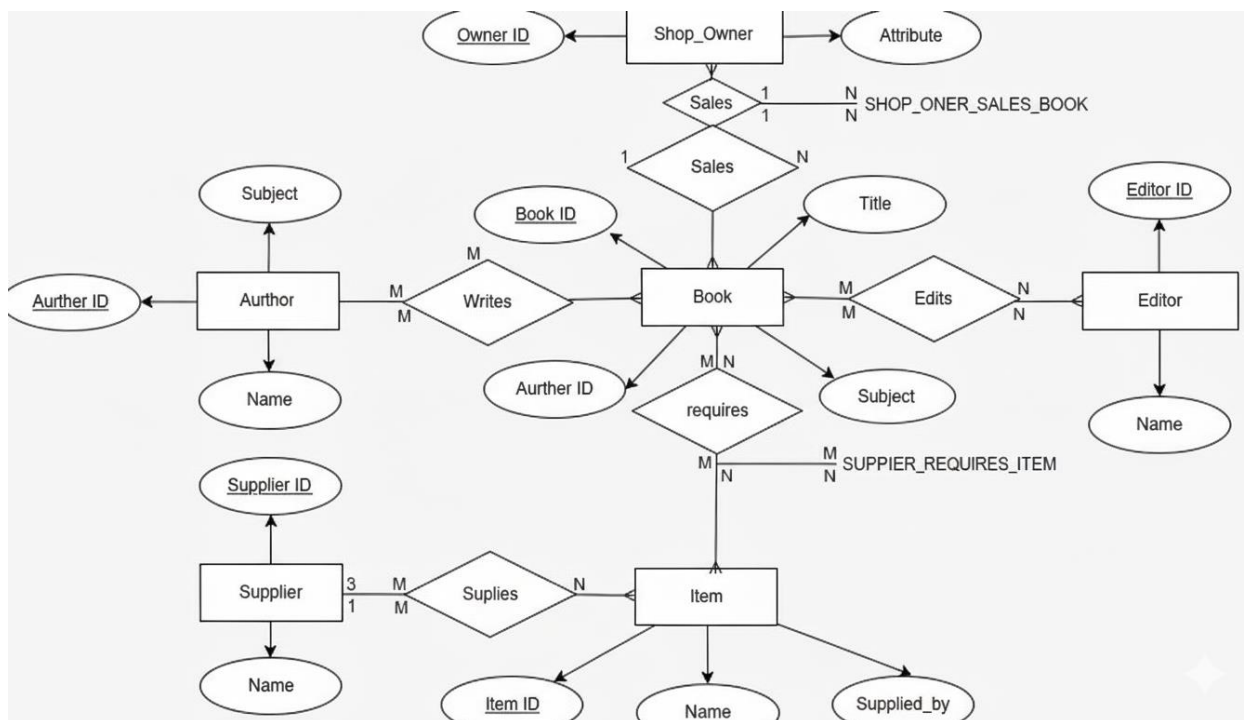# ER Diagram for Book Management System

Refined ER Diagram with Cardinality Constraints for the Book Management System

Normalized Relational Schema for the Book Management System

Shop_Owner
Shop_Name
Shop_Name

Book
Ltite
Title

Book_Sales-Owner
Book_ID (FK), Owner_ID (FK)
Sale_ID (FK)
Sale_Date, Price

Author

Author

Book

Book

Editor
Name
Name

Name

Author Subject
Book_ID (FK), Subject

Book_Item
Book ID (FK)
Book ID (FK), Subject
Quantity Required
Quantity_Required

Supplier
Name
Name

Book_Author
Book_ID (FK)
Book ID (FK)
Book_ID (FK)
Book ID (FK)

Item ID
Item_ID Item_Name
Item_Supplier
Supply Date