Business Analysis

Business Analysis

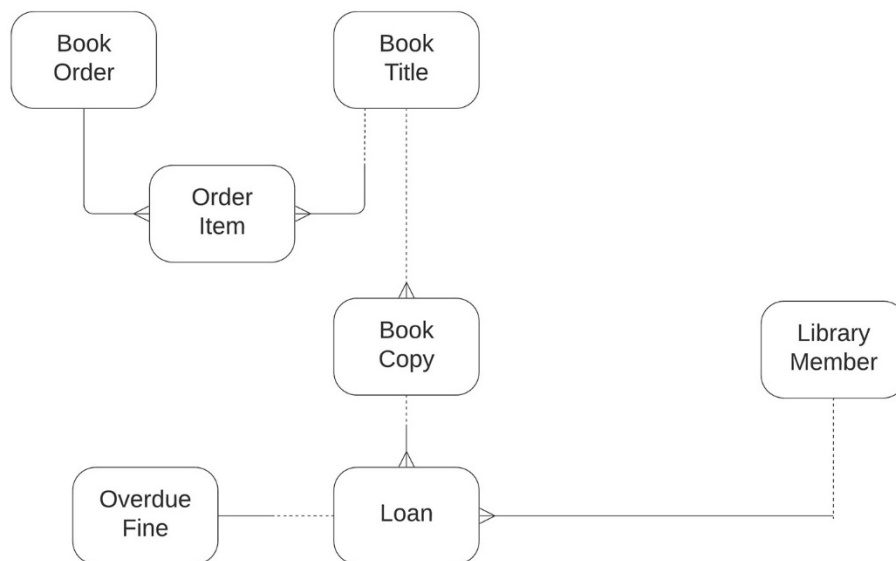Assignment – Data Modelling – Entities / Classes and Relationships.
Suggested Solution.
Entity Relationship Diagram / Class Diagram – Community Library.
Relationships with optionality.
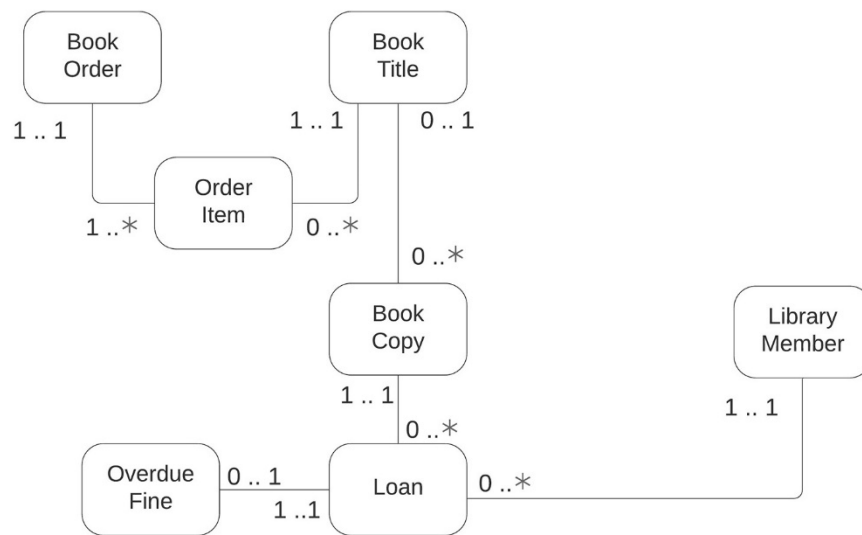Many to many relationships resolved.

Entity Relationship Diagram – Version 2 - Community Library

Business Analysis

Class Diagram – Version 2 - Community Library

Business Analysis

Entities / Classes and Attributes – Community Library

Book Title	Book Copy
ISBN	Book Copy Number
Dewey Decimal Classification	Current Location
Title	Condition
Author	*ISBN
Description	
Cover Picture	
Format	
Language	
Category	
Publisher	
Publication Date	
Rating	
Notes	
Library Member	**Loan**
Member Number	Loan Number
Member Name	Loan Date
Postal Address	Loan Time
Email Address	Loan Length
Telephone Number	Return Date
Date Of Birth	*Member Number
	*Book Copy Number

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Entities and Attributes – Community Library

Overdue Fine	
Fine Number	
Fine Amount	
Date Levied	
Date Paid	
*Loan Number	
Book Order	**Order Item**
Order Number	Order Item Number
Order Date	Title
Total Cost	Quantity
Book Supplier	Unit Price
Librarian	Line Total
	*ISBN
	*Order Number