

Business Rules for ERD & EERD:

Entity	Entity	Relationship	Business Rules
Publisher	Book	1:M	<ul style="list-style-type: none"> Each book can be published by only one publisher. A publisher may publish zero or many books.
Author	Book	1:M	<ul style="list-style-type: none"> Each book can have only one author. An author may write zero or many books.
Book	Shopping Basket_Book	1:M	<ul style="list-style-type: none"> Each book can have zero or many copies of shopping basket books A shopping basket book can only be a copy of one book.
Book	Warehouse_Book	1:M	<ul style="list-style-type: none"> Each book can have zero or more warehouse book copies A warehouse book can only be a copy of one book.
Shopping Basket	Shopping Basket_Book	1:M	<ul style="list-style-type: none"> Each shopping basket can add zero to many shopping basket books. A shopping basket book can be added by only one shopping basket.
Customer	Shopping Basket	1:M	<ul style="list-style-type: none"> Each customer may have zero or many shopping baskets. A shopping basket is used by only one customer.
Warehouse	Warehouse_Book	1:M	<ul style="list-style-type: none"> Each warehouse can store zero or many warehouse books. A warehouse book can only be stored in one warehouse.
Online Bookstore	Warehouse	1:M	<ul style="list-style-type: none"> Each online bookstore can have one or many warehouses. A warehouse can be owned by one online bookstore only.
Online Bookstore	Staff	1:M	<ul style="list-style-type: none"> Each online bookstore can employ one or many staff. A staff member can only work for one Bookstore.
Staff	Prize	1:1	<ul style="list-style-type: none"> Each staff member can manage zero or many prizes. A prize can be managed by only one staff.
Score	Prize	1:M	<ul style="list-style-type: none"> Each score can follow only one prize. A prize will follow by only one score.
Prize	Participant	1:M	<ul style="list-style-type: none"> Each participant can win zero or many prizes. A prize can only be given to one participant.
Participant	Score	1:M	<ul style="list-style-type: none"> Each participant can get one or many scores. A score gets by only one participant.
Competition	Score	1:M	<ul style="list-style-type: none"> Each competition can have one or many scores. A score has only one competition.