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ONLINE BOOKSTORE DATABASE MANAGEMENT SYSTEM

1. Entities and Attributes

1. Books

Description: The Books entity stores information about the books available in the bookstore.
 Each book has a unique BookID, which helps to identify it. The Title of the book is also stored, along with the AuthorID, which links to the author of the book. The GenreID indicates the category the book belongs to. Additionally, each book has an ISBN number, its PublisherID, its PublicationYear, and its Price.

2. Authors

 Description: The Authors entity stores information about authors who have written books available in the bookstore. Each author is identified by a unique AuthorID. Information about the author includes their FirstName, LastName, DateOfBirth, and Country of origin.

3. Publishers

 Description: The Publishers entity stores information about the publishers who publish the books in the bookstore. Each publisher has a unique PublisherID, along with details such as their PublisherName, Address, PhoneNumber, and Email.

4. Genres

 Description: The Genres entity stores information about the different categories or genres to which books belong. Each genre is identified by a unique GenreID, along with its GenreName.

5. Customers

 Description: The Customers entity stores information about the customers who purchase books from the bookstore. Each customer has a unique CustomerID. Other attributes include their FirstName, LastName, Email, PhoneNumber, Address, and the DateJoined the bookstore's membership.

6. Orders

Description: The Orders entity stores information about the orders placed by customers. Each
order has a unique OrderID. The CustomerID links the order to the customer who placed it.
Additional details include the OrderDate, OrderStatus, and the TotalAmount of the order.

7. OrderDetails

 Description: The OrderDetails entity stores information about the specific books included in each order. Each order detail is identified by a unique OrderDetailID. It also stores the OrderID (linking to the Orders table), BookID (linking to the Books table), the Quantity of books ordered, and the PriceAtPurchase.

8. Inventory

Description: The Inventory entity tracks the stock levels of books in the bookstore. Each
inventory record is identified by a unique InventoryID. It stores the BookID to link it to a specific
book, the QuantityInStock, the RestockDate, and the SupplierID to track the supplier providing
the book.

9. Suppliers

 Description: The Suppliers entity stores information about the suppliers who provide books to the bookstore. Each supplier has a unique SupplierID, along with their SupplierName, Address, PhoneNumber, and Email.

10. Payments

 Description: The Payments entity stores information about payments made by customers for their orders. Each payment has a unique PaymentID, linked to an OrderID, along with details about the PaymentDate, PaymentMethod, and the AmountPaid.

11. Memberships

 Description: The Memberships entity stores information about the bookstore's membership subscriptions. Each membership has a unique MembershipID, and it is linked to a CustomerID.
 Additional details include the StartDate, EndDate, and the MembershipType.

12. BookReturns

Description: The BookReturns entity stores information about books returned by customers.
 Each return is identified by a unique ReturnID, and it is linked to both the OrderID and BookID.
 The ReturnDate is also recorded.

13. BookReviews

 Description: The BookReviews entity stores customer reviews for specific books. Each review is identified by a unique ReviewID, linked to a CustomerID and BookID. It also stores the Rating given by the customer.

14. Shipping

 Description: The Shipping entity stores information about the shipping of customer orders. Each shipping record is identified by a unique ShippingID, linked to an OrderID. Other details include the ShippingDate, ShippingMethod, ShippingAddress, and TrackingNumber.

ONLINE BOOKSTORE DATABASE MANAGEMENT SYSTEM ER DIAGRAM :

