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Module 3.2 Assignment

A screenshot of a book publishing

Description automatically generated

Assumptions

1. Primary Keys: publisher\_ID is the primary key for Publisher, book\_isbn for Book, and author\_email for Author.
2. Relationships: There is a many-to-many relationship between Books and Authors. Authors can write multiple books, and each book can have multiple authors. The Book\_Author table connects them using book\_isbn and author\_email.
3. Publisher-Book Relationship: Each book is published by only one publisher, represented by the publisher\_ID field in the Book table.

In this arrangement:

* Each table has a primary key.
* There is no repeating group within tables (1NF).
* Each non-key attribute depends only on the primary key (2NF).
* No transitive dependencies exist, meeting 3NF.