**Course Number: AIT 524**

**Description of the Company:**

“ABC Bookstore” is a company that sells books and other related products on-line and in bookstores located all over the country. The company would like to have a database to keep track of its inventory. Bookstores today carry more than just books, and “ABC Bookstore” would like to have each type of product to be represented in the database. This will allow the company to generate reports summarizing the inventory.

**Business Rules**

1. Each product belongs to one and only one product type. Each type may include many products.
2. All products share common attributes (the product type, product name, price, and number of items on hand) but some products have unique attributes (for instance, ISBN and publishing date for books and capacity for CDs).
3. Each book could be written by many authors but each book must have at least one author’s name associated with it. Each author could write many books but every writer must write at least one book.

**Entity Relationship Diagram (ERD):**

