**Scenario:**

1. Publishers frequently send lists of latest books to the APU’s E-Bookstore manager, APU’s E-Bookstore manager can compile a list of needed books and send orders to many publishers and those orders need to be recorded. After that, the APU’s E-Bookstore manager needs to record the details of the order and books that order have arrived at the bookstore.

* Publishers can send least one latest book list to the e-bookstore manager, APU’s E-Bookstore manager can make least one order book for book lists to many publishers. (many to many)
* A publisher can transport least one already ordered book(s) to APU’s E-Bookstore, APU’s E-Bookstore manager need record(s) least one book that ordered and which book are arrived in APU’s E-Bookstore. (many to many)

2. Customers need to become a member of APU’s E-Bookstore to purchase books online and members can view the book, look reviews and compare another book in the same category.

* Customers only can register membership in APU’s E-Bookstore for purchase make least one or more book, view a book as a member wanted and compare one or multiple books with same category together. (one to many)

3. Members of APU’s E-Bookstore can add their purchase book into APU’s E-Bookstore shopping cart and the shopping cart will show the summary of the selection and total cost to be paid. Once the payment is made the order is confirmed and APU’s E-Bookstore will send the books to the customers within 7 working days.

* Each book only one price in the summary, and the shopping cart may more than one book to show the summary of the selection. (one or many)
* The total cost for the shopping cart added by another book price together if the shopping cart has more than one book, and the total cost to be paid amount has only one value. (one or many)

4. APU’s E-Bookstore database system should manage information about books in the bookstore, members and books they have ordered as well as payment details and delivery status.

* APU’s E-Bookstore database system store many books information and members, meanwhile APU’s E-Bookstore database system store many members ordered with payment details and delivery status. (many to many)

5. Members can also provide 'rating' for a book, as a score along with optional short text comment and the score and comment is no allowed to changes after make a 'rating'; only one feedback per user to per book is allowed.

* A member can only have one feedback to one book which the member bought the book from APU’s E-Bookstore. (one to one)
* The 'rating' for a book have only a score with comment to 'rating' for one book only. (one to one)