**BookWorm Haven**

A small online bookstore named "BookWorm Haven" wants to streamline its operations. They sell a variety of books, both new and used, catering to different genres and age groups. Customers can browse the website, add books to their carts, and make purchases. The bookstore also offers a membership program where customers can subscribe to receive monthly book recommendations tailored to their interests. BookWorm Haven wants to track customer profiles, purchase hisory, inventory levels, and membership subscriptions efficiently to provide personalized service and optimize their stock based on customer preferences.

**Entities:**

* Customer: To store customer information such as name, address, email, and membership status. Helps in tracking individual customer profiles and preferences.
* Book: Contains details about each book, including title, author, genre, price, and availability status (new or used). Helps in managing the bookstore's inventory.
* Cart: Tracks items selected by customers for purchase. Connects customers to their selected books before the checkout process.
* Order: Records details of completed transactions, including order number, customer ID, total amount, and payment information. Helps in managing sales history and financial transactions.
* Membership: Stores information about the bookstore's membership program, including member ID, subscription level, and renewal dates. Facilitates tracking of member preferences and benefits.
* Recommendation: Contains personalized book recommendations for each customer based on their reading history and preferences. Enhances customer engagement and promotes book sales.
* Genre: Categorizes books into genres such as fiction, non-fiction, mystery, romance, etc. Helps customers in browsing and finding books of interest more efficiently.

By organizing the information into these entities, BookWorm Haven can effectively manage customer interactions, optimize inventory, and provide tailored services, ultimately enhancing the customer experience and increasing sales.

*Note – other entities exist such as addresses, inventories, services employee has skills, etc. Consider these… make sample data in a spreadsheet, think it through, normalize.*