**Mobile Books Scenario:**

Shops that carry a large varied inventory could definitely use a database. For my example I’ll choose a chain of bookstores, to make it unique they can be a chain of mobile bookstores. For consistency-sake, each book-mobile has the same inventory, though the stock levels may vary by unit. Being without some kind of inventory system in this type of business would be a logistical nightmare so better to begin to design a database. I’ll also assume they have some kind of point of sale system.

**Entities:**

* **Books (isbn, title, year, author, genre)**
* **Author (author id, author name)**
* **Genres (genre id, genre name)**
* **Inventory (isbn, book-mobile unit, amount, amount per location)**
* **Receipt (datetime, amount, type of payment, customer if applicable)**
* **Mobile-Unit (which book mobile it is, location, staff)**
* **Book-mobile locations (where the book-mobile happens to be to prevent multiple units being at same lot)**
* **Staff (staff id, name, address, unit, unit location, phone number)**
* **Customer (for rewards program – name, address, phone, e-mail)**

*Note – other entities exist such as addresses, rewards program, etc. Consider these… make sample data in a spreadsheet, think it through, normalize.*