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Book Inventory Management Documentation

Overview ——————————————————————

- **https://book-inventory-xi.vercel.app/**
- **Stack**: HTML, CSS, JavaScript, Node.js, SQLite
- **Features**:
    1) Adding books (Title, Author, Genre, Date, ISBN)
    2) Filter based on Title/Author/Genre
    3) Export inventory in CSV/JSON format

Usage ——————————————————————————

Adding a Book

1. Navigate to the "Add Books" section.
2. Fill in the input forms (i.e. Title, Author, Publication Date, and ISBN. Genre and date are optional.)
3. Click the **"Add Book"** button.

Filtering Books

1. Navigate to the "Filter Books" section.
2. Enter any of the following details: Title, Author, or Genre.
3. Click the **"Filter"** button. The filtered list will be displayed in the "Book List" table.

Exporting Books

1. To export the inventory, click either the **"Export CSV"** or **"Export JSON"** button.

Design Decisions and Challenges ————————————

1. Using SQLite as it is much more lightweight and thus gives better app performance for our purpose.
2. Responsive design using CSS flexbox to ensure a smooth and visually appealing experience for users on various screen sizes.
3. Form validation to ensure that the necessary inputs are filled in so that the database is populated with valid data points.