

Book Inventory Management Documentation

Overview

- **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

Setting up

Prerequisites

- Node.js, npm, SQLite3

Installation

1. Clone the repository:

```
git clone https://github.com/harley-zhang/book-inventory.git  
cd book-inventory
```

2. Start the server:

```
node server.js
```

3. Access the app in your browser at <http://localhost:3000>

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.