**Book Tracker Project**

### Completed Tasks

**Basic GUI Setup**:

* Created the main application window using Tkinter.
* Added widgets including a title label, an "Add Book" button, and a listbox to display books.

**Add Book Functionality:**

* Implemented a new window for adding book details (title and author).
* Added functionality to save book details and display them in the listbox.

**Database Integration:**

* Set up an SQLite database to store book details.
* Created a books table in the database.
* Modified the save\_book method to insert book details into the database.
* Implemented functionality to load books from the database when the application starts.

### Problems Encountered

**Error Handling:**

* Initially, there was no error handling for empty inputs when adding a book.
* Solution: Added a check to ensure both title and author fields are filled before saving.

**Database Persistence:**

* Ensuring that book details persist even after the application is closed and reopened.
* Solution: Integrated SQLite database to store and retrieve book details.

### Next Steps

**Enhance User Interface**:

* Use ttk widgets for a more modern look.
* Add more styling to improve the overall appearance of the application.

**Additional Features:**

* Implement functionality to edit and delete book entries.
* Add search functionality to easily find books in the list.

**Error Handling and Validation:**

* Improve error handling and validation for user inputs.
* Provide user feedback for successful and unsuccessful operations.

**Code Optimization:**

* Refactor the code to improve readability and maintainability.
* Separate the database operations into a dedicated class or module.