Core concept:
The Booklog web application is a book logging application that allows a user to maintain a book blog by adding entries to a modifiable list.

Target users:
The target user group for Booklog includes teenagers and adults (i.e., 13 and up). The appeal is set to be for both new and avid readers as well as any other parties interested in the use case.

Benefits to user:
The application will provide a central point for creating and managing a personalized book list. With each entry, a user will be able to add specific book details including a cover image, title, author, genre, and reading status. Furthermore, it will also be possible for the user to add comments to an entry in their list to jot down thoughts, reviews, etc.

Components and technologies:

Client:

- Web browser/user
- Responsibilities: Interaction with the application, making queries, adding book entries, modifying/viewing list

Frontend:

- Technologies: HTML, CSS, JavaScript
- These basic technologies will form the layout, design, and functional elements, respectively, of the web application.
- Responsibilities: Providing a dynamic, responsive, and user-friendly interface for viewing and modifying the book list
- Database: Browser local storage
- Responsibilities: Efficient definition and storage of user's book list

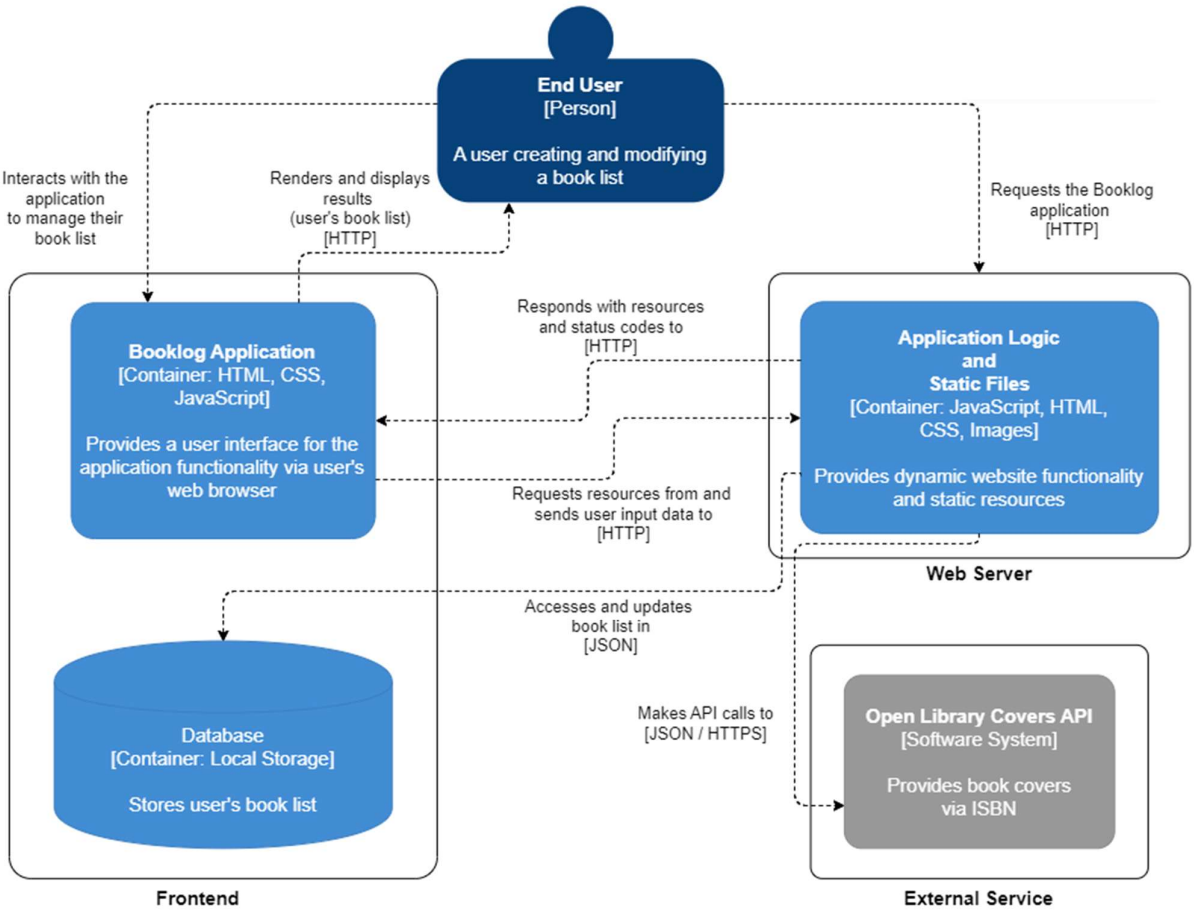
Backend:

- Application logic (JavaScript) and static files
- Responsibilities: Establishing a web server that allows the client to request the application and responding with the required resources

External API

- Source: Open Library Covers API
- Use: Retrieving book covers via ISBN input

Application Architecture



Source: Own representation