This document describes a simple desktop application specification. The task of the assignee is to implement such an application, covering as much as possible of the requirements (not necessarily all of them).

OpenLibrary is a windows desktop application designed to display useful information about books.

Functional requirements

The application provides:

- search for books by title
- search for book by author
- search result with general information - title and author
- details for each book in a separate view - book cover, title, author, page count, publish year and date, ISBN, etc.

Non-functional requirements

- The application has a graphical user interface.
- The user interface is responsive.
- SOLID principles are applied in the source code. Ultimately, the code is maintainable, extensible, reusable, and testable.
- MVVM pattern is used.
- There is high unit tests coverage.

Implementation frameworks requirements

- Language: C#
- WPF is used to implement the user interface.
- HttpClient is used for backend communication.
- NLog is used for logging application errors.
- Use asynchronous programming where/if appropriate.

Open Library RESTful APIs specification

https://openlibrary.org/developers/api