

eLibrary

General information:

The following application is an original project. It plays the role of an electronic library in which we can introduce new books, manage them, randomly choose and select new ones.

The user has at his disposal the "To Read Books" tab where he/she can add books that he/she liked and which he/she intends to read in the future. The items are described by author, title, genre and possible description.

There is also a "Read Books" tab which allows the user to add books that he/she has already read in the past. It is a good solution for people reading many eBooks or borrowing books who like to keep the history of their literary travels.

It is possible to search the bookshelf for specific genres, or specific authors or titles(or partial phrases).

If the user has no idea for another book for themselves and would like to decide the fate, it is possible to randomly choose a book from the bookshelf.

The application also has the Quiz option where, based on a few questions, the search area is narrowed down to choose a book that best suits the user's current preferences.

The application creates user statistics displaying some of the most important aspects

An additional point of the application is the ability to subscribe to your favorite authors. In the event that in the absence of the user the book of the author whose subscription the user has previously selected will be added to the bookshelf, an appropriate notification will be displayed. It is not important whether the book was entered directly into the bookshelf (text file) or was added by another user. The application, when the user logs in, verifies the bookshelf for new books and then compares their authors with the subscribed authors.

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Technical aspects:

The application has an email system. For the purposes of the application, an e-mail address elibraryhost@gmail.com has been created, from which e-mail messages are automatically sent to the user in the case of:

- Creating new account in the application, a welcome email will be send to the user's address
- Setting an option to restore the password to user's email address
(Note: A login and password will be send to the email address in the public form)
- When the user creates an account, an email is also sent to the author of the project. Mail is for information purposes only, that the application is being tested by an external person. Only the user's first and last name are in the email to the author of the project. The mail does not have any additional information, therefore the author does not obtain data about the username, password, email address or other data of the person testing the application.

It is important that the application requires an internet connection when creating the user!

Another important issue is that the application works on text files. The author of the project has prepared files with sample books, quiz questions and book quotes. In order for the files to be properly loaded, you must change the "filePath" value in the **App.config** file, which is a component of **eLibraryUI**, to the location of the copy of the project on your computer.