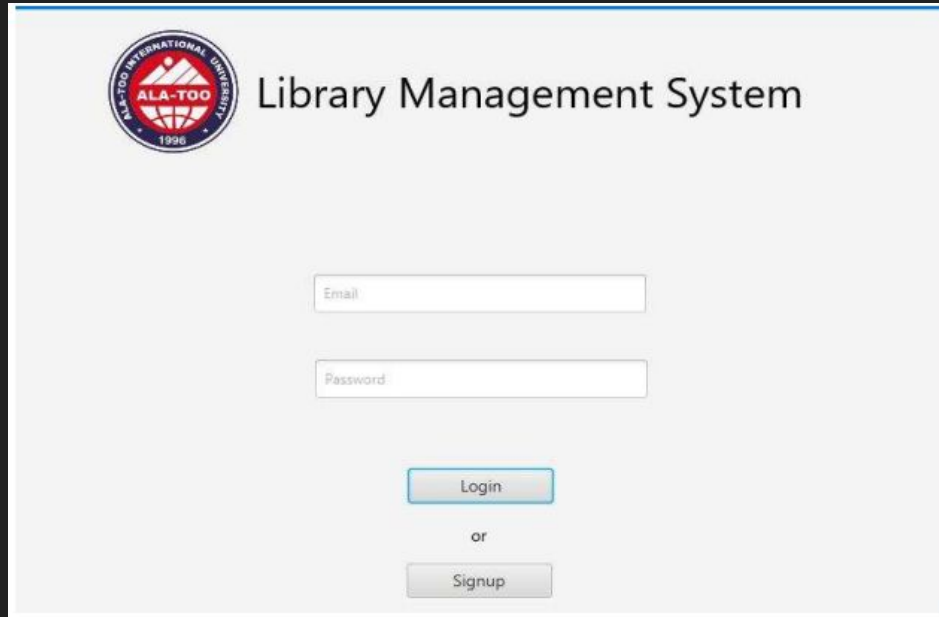


# Database Management System for Library

## Project Presentation

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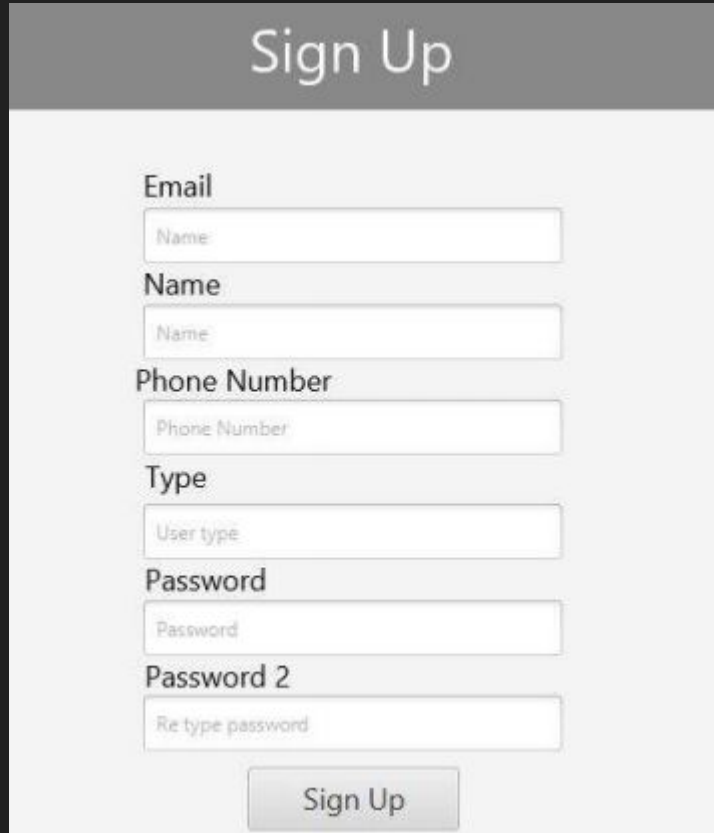
# When user executes this program, it will show the startup GUI (Graphical User Interface).



The image shows a web-based login interface for a 'Library Management System'. At the top left is a circular logo for 'ALA-TOO INTERNATIONAL UNIVERSITY' established in '1996'. The title 'Library Management System' is positioned at the top right. Below the title, there are two input fields: 'Email' and 'Password'. Under the 'Password' field is a 'Login' button. Below the 'Login' button is the word 'or', and at the bottom is a 'Signup' button.

Login GUI allows to login with librarian and ordinary user account. Now user have to option where to login with his email and password or user can create new account for himself by making registration to the system. Let's consider the second option and look at signup process.

# Sign-up procedure



The image shows a 'Sign Up' form with a grey header containing the text 'Sign Up'. Below the header, the form contains several input fields with labels to their left: 'Email' (with a sub-label 'Name' inside the input box), 'Name' (with a sub-label 'Name' inside the input box), 'Phone Number' (with a sub-label 'Phone Number' inside the input box), 'Type' (with a sub-label 'User type' inside the input box), 'Password', and 'Password 2' (with a sub-label 'Re type password' inside the input box). At the bottom of the form is a 'Sign Up' button.

Here user needs to fill all required data about himself like name, email address, phone number, type of user like Student, Staff Member, and etc.

Finally, user needs to provide password, both password and password2 need to be identical. Also, none of the form fields can be empty or user will see an error telling that some fields are empty. If user made successful registration he will be returned to Login screen. If user miss clicked the signup button he can be immediately returned to login screen by pressing Cancel button.

After registration user will be allowed to login to library management system.

After successful authentication user will see Books screen with all books that are currently registered at library management system by librarian.

If user selected book he will see confirmation box asking whether he wants to add this book to his list.

[illegible]

# User Books

Inside of “My Books” tab we can see all the books that was taking by user.

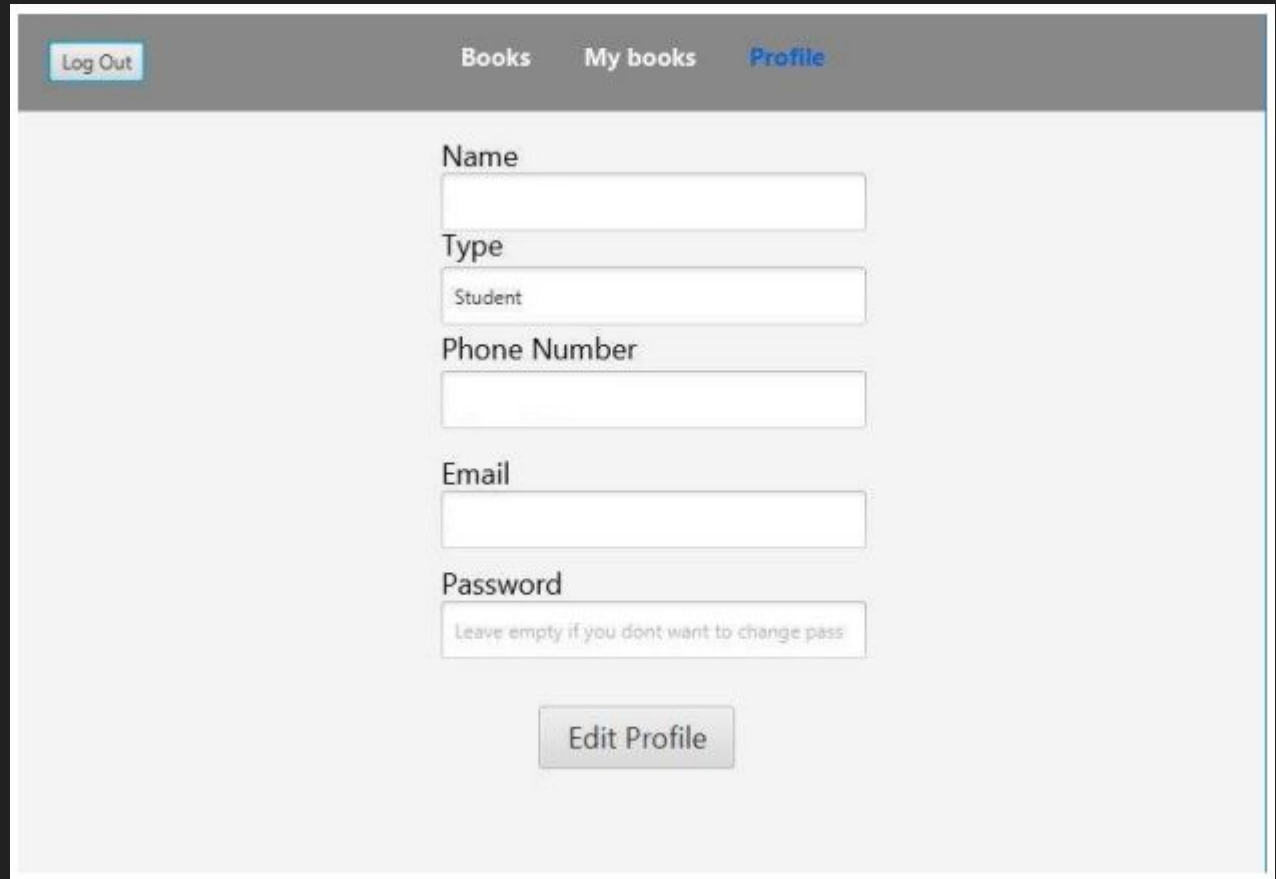
[illegible]

By clicking Return Book user can return book. If no book was chosen user will see alert that no was book was taken, similar to Books Screen.

If book was select user will see confirmation box where asking whether he wants to return specific book.

# User Profile

Inside of Profile Tab we can see all the information about current user and fields that prepopulated with data which is equals to user's data.



The image shows a web application interface for a user profile. At the top, there is a navigation bar with a 'Log Out' button on the left and three links: 'Books', 'My books', and 'Profile' (which is highlighted in blue). Below the navigation bar, the profile form is displayed. It contains five input fields: 'Name', 'Type' (pre-filled with 'Student'), 'Phone Number', 'Email', and 'Password'. The 'Password' field has a hint text: 'Leave empty if you dont want to change pass'. At the bottom of the form, there is an 'Edit Profile' button.

Log Out

Books My books Profile

Name

Type

Student

Phone Number

Email

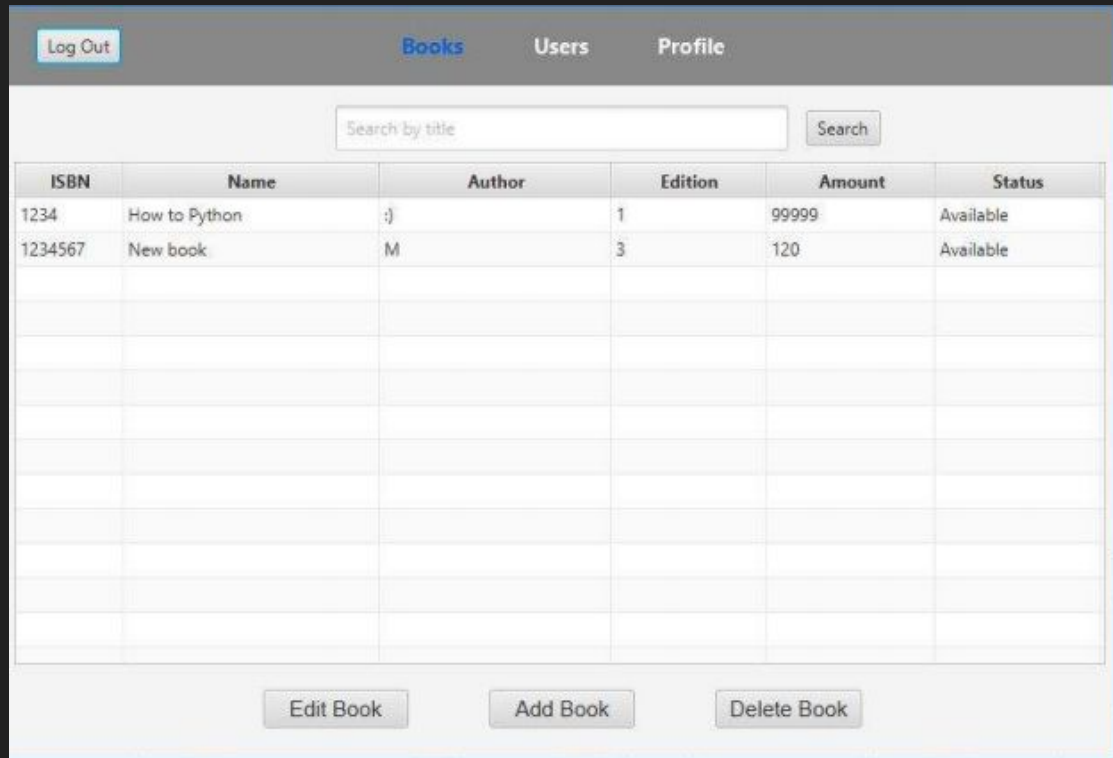
Password

Leave empty if you dont want to change pass

Edit Profile

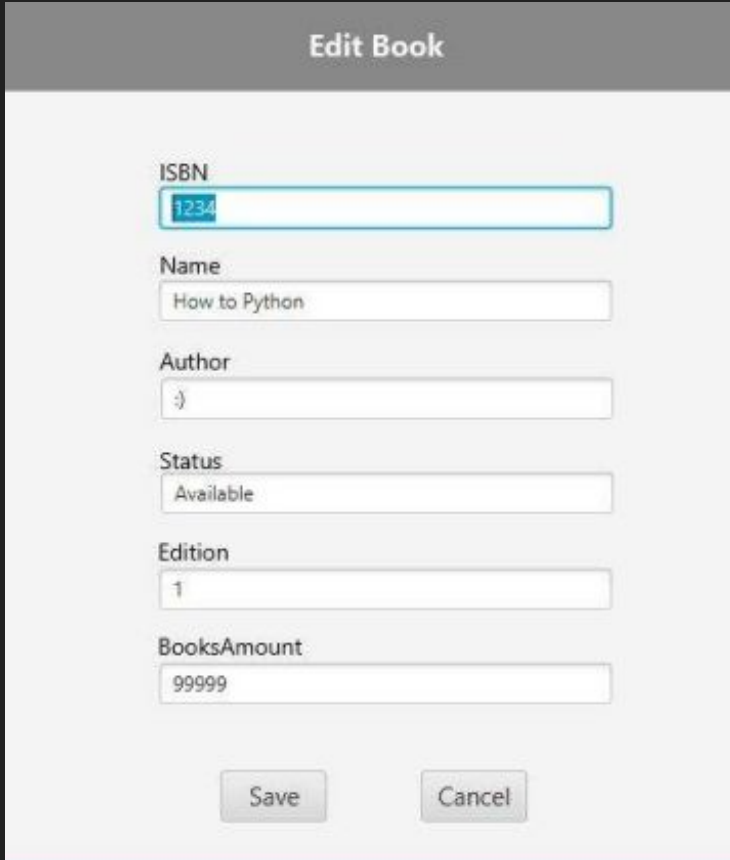
Here user can edit data about himself. None of the fields can be empty except for the password field, if user is not willing to change his current password he can leave this field empty. By clicking Edit Profile user will update their profile with the data from corresponding fields.

Now let's Login as Librarian. First thing that librarian sees is the same table with all available books at LIS but with some more control.



Librarian can add, delete, and edit books from this Books screen. By selecting book and clicking Edit Book librarian will see another screen with book edition form, if no book was selected librarian will see alert box similar to user Books screen.

# Edit Book



The screenshot shows a web form titled "Edit Book" with a grey header bar. The form contains several input fields, each with a label above it. The "ISBN" field has a blue border and contains the value "1234". The "Name" field contains "How to Python". The "Author" field contains a smiley face ":)". The "Status" field contains "Available". The "Edition" field contains "1". The "BooksAmount" field contains "99999". At the bottom of the form are two buttons: "Save" and "Cancel".

Field Label	Value
ISBN	1234
Name	How to Python
Author	:)
Status	Available
Edition	1
BooksAmount	99999

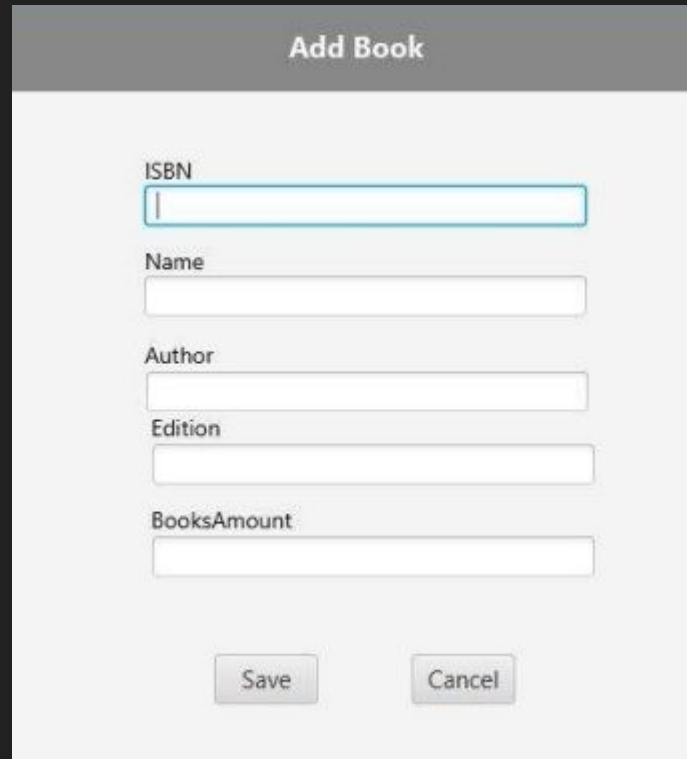
By Editing special book librarian can increase number of this book, change Name, Author, Edition.

By clicking Save librarian will save altered data to specific book, after successful editing librarian will return to Books Screen, if librarian want to cancel the process it can be done by clicking Cancel button.



# Add Book

Adding book have the same screen as Book edit but without prepopulated fields. Here librarian can add new book to LIS, new book will be visible for all users and they will be taking this book.



The image shows a web form titled "Add Book" with a grey header bar. The form contains five text input fields, each with a label above it: "ISBN", "Name", "Author", "Edition", and "BooksAmount". The "ISBN" field has a small vertical cursor on the left. At the bottom of the form are two buttons: "Save" and "Cancel".

When adding book none of the fields can be empty or librarian will see error message saying that no fields can be empty. By clicking Save librarian will save new book and will return to Books screen, but by clicking Cancel button librarian can cancel process of adding.

# Delete Book

Librarian can delete book from DBMS by selecting specific book and clicking Delete Book button, if no books were selected librarian will see alert box that no book was selected, similar to Edit Book. Deleted book will be removed from all users that took this book, so be careful with this functionality, but before deleting librarian will see confirmation box. Confirmation box is protection from miss clicking, but it can't guarantee full safety.



# Users



The screenshot shows a web application interface for managing users. At the top, there is a navigation bar with a 'Log Out' button and three tabs: 'Books', 'Users' (which is highlighted in blue), and 'Profile'. Below the navigation bar is a search section with a text input field labeled 'Search by Name' and a 'Search' button. The main content area contains a table with five columns: 'Name', 'Email', 'Phone Number', 'Type', and 'Active'. The first row of the table contains the following data: 'Daniiar Mukash uulu', 'a@a.com', '0777954456', 'Student', and 'Active'. There are four empty rows below the first one.

Log Out Books Users Profile				
Search by Name Search				
Name	Email	Phone Number	Type	Active
Daniiar Mukash uulu	a@a.com	0777954456	Student	Active

Users screen allow to control user's ability to login by deactivating or activating their accounts.

By selecting user and clicking Disable User librarian can ban users from LIS, and by Clicking Activate User librarian can grant users ability to login. Before Disabling and Activating users program will show confirmation box to prevent misclicking. If user is already active or deactivated librarian should see alert box saying that user is already activated or disabled.

# Profile

The screenshot shows a web application interface with a top navigation bar containing three tabs: 'Books', 'Users', and 'Profile'. The 'Profile' tab is currently selected and highlighted in blue. Below the navigation bar, the main content area contains four form fields, each with a label and an input box. The 'Name' field contains the text 'li'. The 'Phone Number' field contains the text '131'. The 'Email' field contains the text 'li@li.com'. The 'Password' field contains a placeholder text 'Leave empty if you dont want to change pass'. At the bottom of the form, there is a grey button labeled 'Edit Profile'.

Profile screen the same as ordinary user screen prepopulated with librarian data. Similarly, none of the fields can be empty except for the password. To save changes in librarian profile press Edit Profile button.

Thank you for your attention!

Good luck with application usage:)