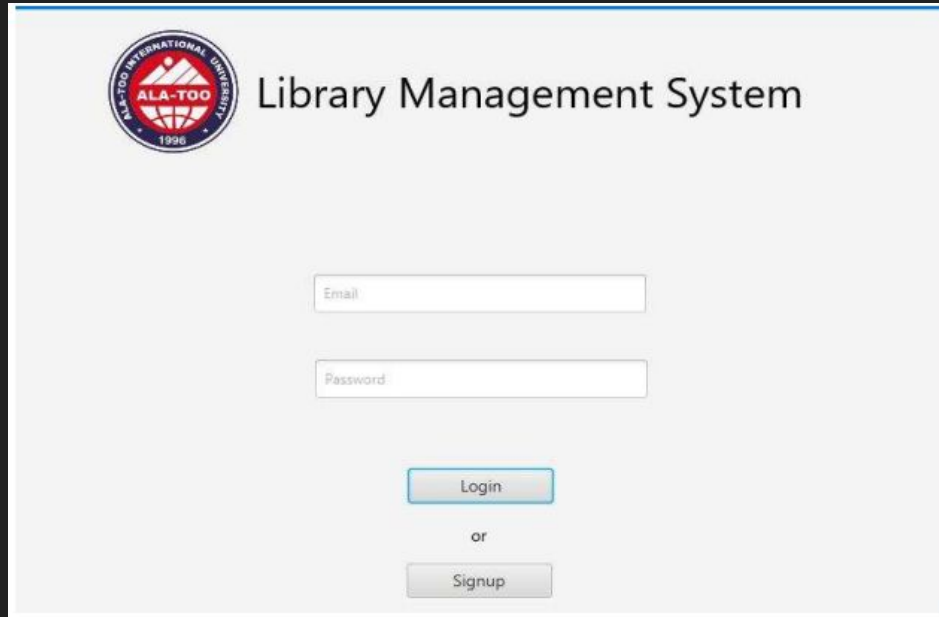


Database Management System for Library

Project Presentation

Arslan Sultanbek uulu

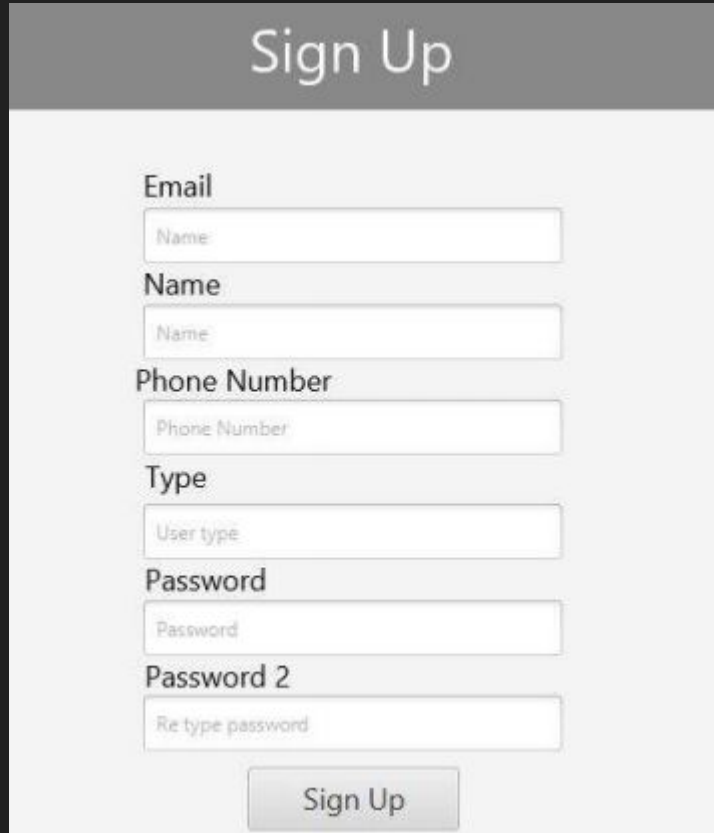
When user executes this program, it will show the startup GUI (Graphical User Interface).



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 displayed in a large, black, sans-serif font. Below the title are two input fields: 'Email' and 'Password'. Under the 'Password' field is a 'Login' button with a blue gradient. Below the 'Login' button is the word 'or' in a small font, followed by a 'Signup' button with a grey gradient.

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



Sign Up

Email
Name

Name
Name

Phone Number
Phone Number

Type
User type

Password
Password

Password 2
Re type password

Sign Up

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.



User Books

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

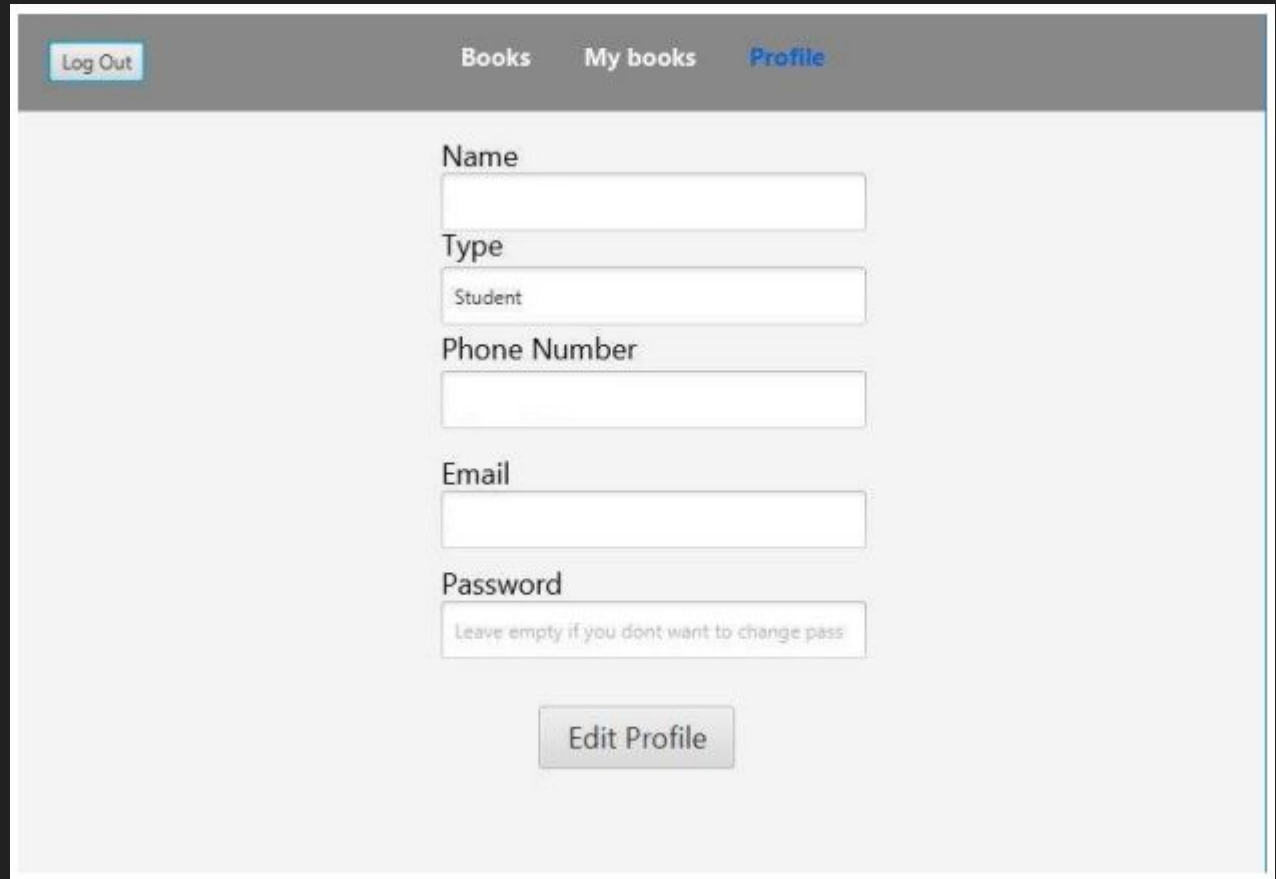
Log Out Books My books Profile			
ISBN	Name	Author	Edition
1234567	New book	M	3
Return Book			

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 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

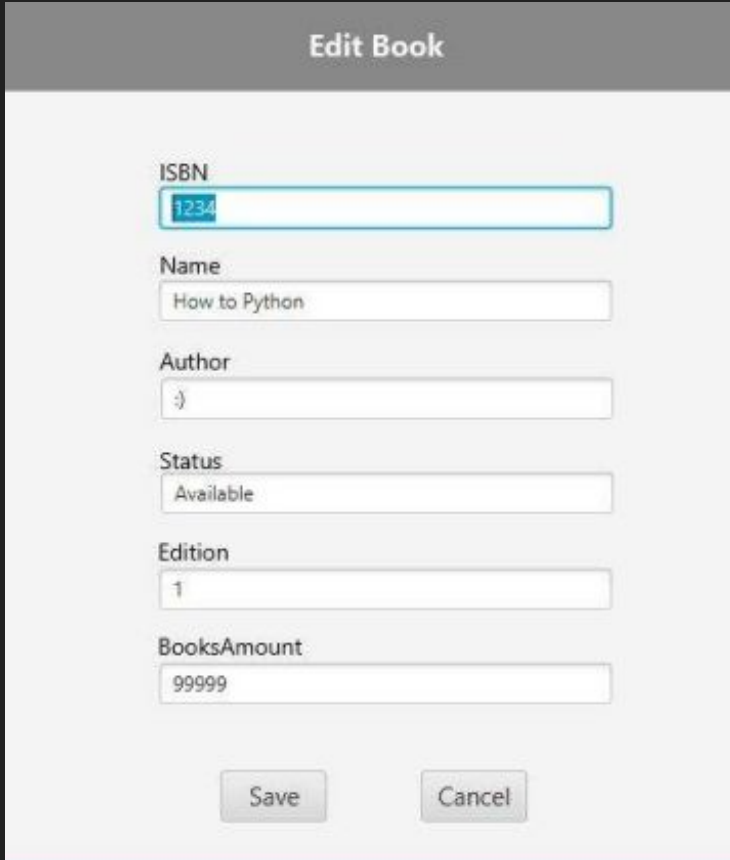
Edit Profile

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".

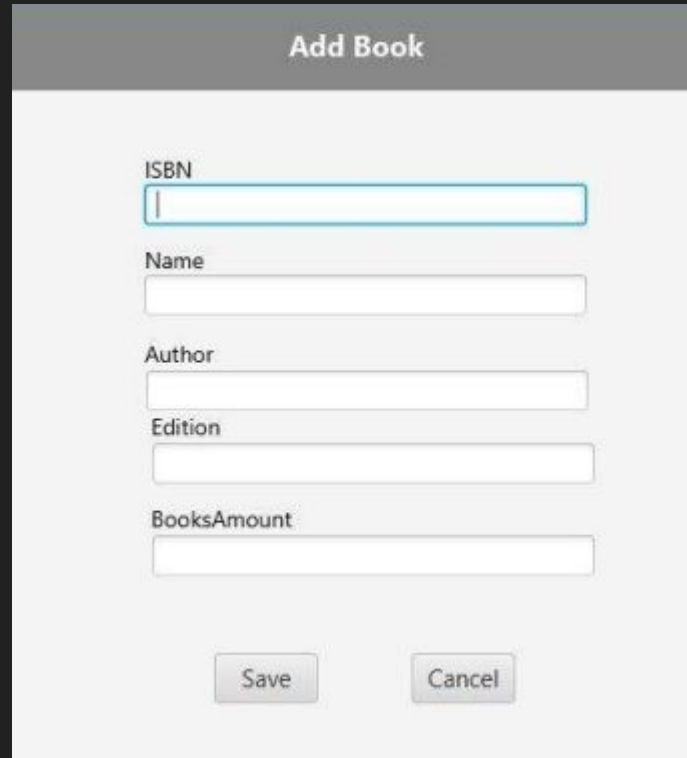
Field Label	Value
ISBN	1234
Name	How to Python
Author	:)
Status	Available
Edition	1
BooksAmount	99999

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.

A screenshot of a web form titled "Add Book". The form is white with a grey header bar containing the title. It contains five text input fields, each with a label above it: "ISBN", "Name", "Author", "Edition", and "BooksAmount". The "ISBN" field has a small vertical line in its input area. At the bottom of the form are two buttons: "Save" and "Cancel".

Add Book

ISBN

Name

Author

Edition

BooksAmount

Save 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



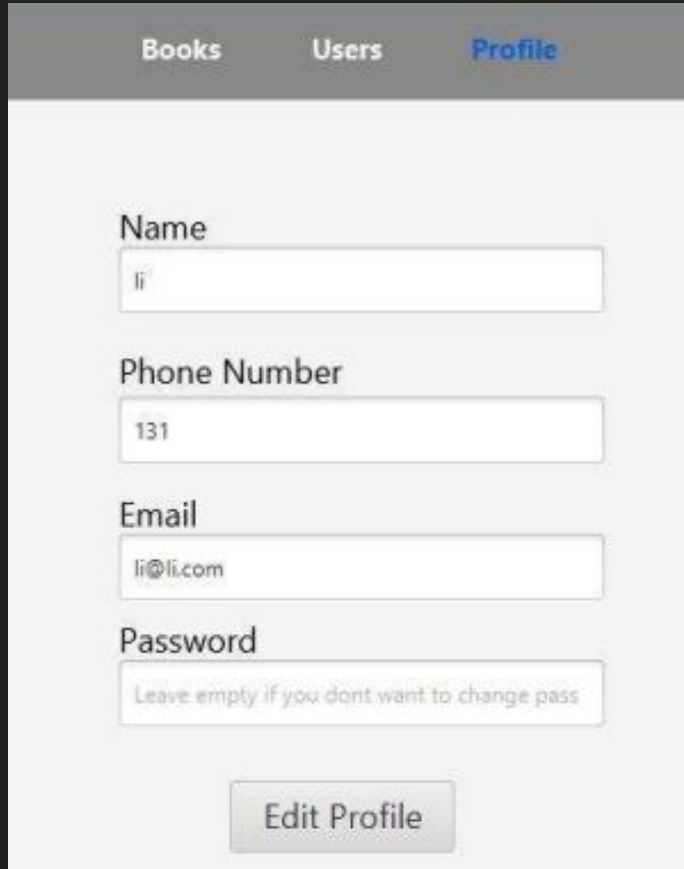
The screenshot shows a web application interface for managing users. At the top, there is a navigation bar with a 'Log Out' button and three tabs: 'Books', 'Users' (which is highlighted in blue), and 'Profile'. Below the navigation bar, there is a search section with a text input field labeled 'Search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

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 mobile application interface with a top navigation bar containing three tabs: 'Books', 'Users', and 'Profile'. The 'Profile' tab is selected and highlighted in blue. Below the navigation bar, the 'Profile' screen displays four input fields for user information. The first field is labeled 'Name' and contains the text 'li'. The second field is labeled 'Phone Number' and contains the text '131'. The third field is labeled 'Email' and contains the text 'li@li.com'. The fourth field is labeled 'Password' and contains the placeholder text 'Leave empty if you dont want to change pass'. At the bottom of the screen, there is a button labeled 'Edit Profile'.

Books Users **Profile**

Name
li

Phone Number
131

Email
li@li.com

Password
Leave empty if you dont want to change pass

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:)