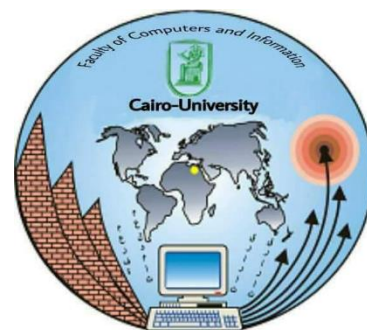


University Library Management



Faculty of computers
and information

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Short presentation:

Mainly the University Library Management (**ULM**) is a program to save the data of students and professors, admins, available books and more details in data base. The program was developed by **C#** and **My SQL** as you will see next how the program works.

Attachments:

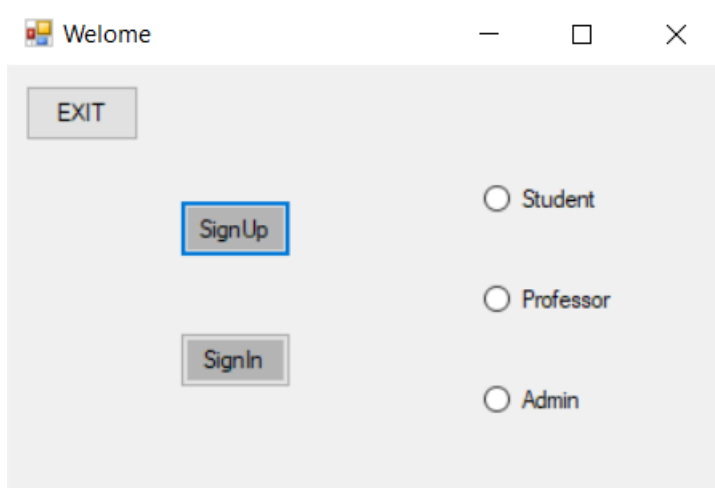
In this file you will find Conceptual model, Logical model, Physical model, SQL data base generation code and a query populated with data.

How it works:

The program divided into 11 user interfaces (**UIs**). When you login or sign up you choose whether you are student or professor or admin. Which first the **student** who can only browse or borrow a book from the library and he has a recovery time for the book he borrowed. Like him the **professor** UI except, he does not have a recovery time. The UI for **admin** is a little different, because he has an advanced options like updating books, user details and adding books also he can browse.

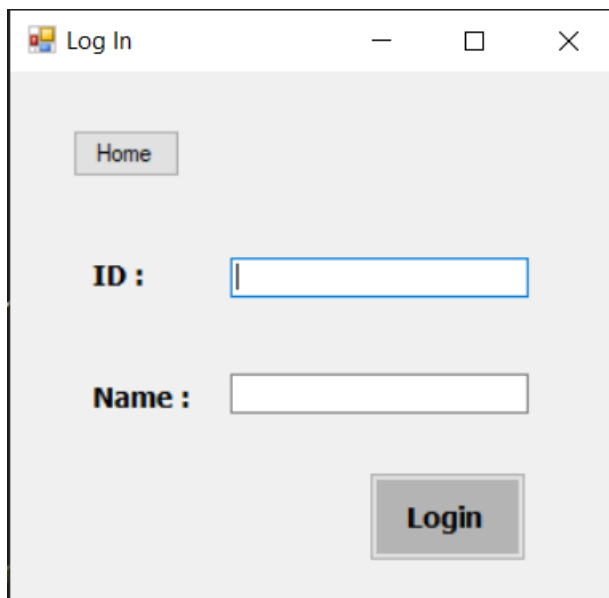
GUIs:

Welcome:

A screenshot of a Windows-style window titled "Welome" (note the typo). The window has a light gray background and standard window controls (minimize, maximize, close) in the title bar. Inside the window, there is an "EXIT" button in the top left. In the center, there is a "SignUp" button with a blue border. Below it is a "SignIn" button. On the right side, there are three radio buttons labeled "Student", "Professor", and "Admin".

In this interface in our library we have three users (Student, Professor and Admin) any one can sign up or sign.

Log IN:

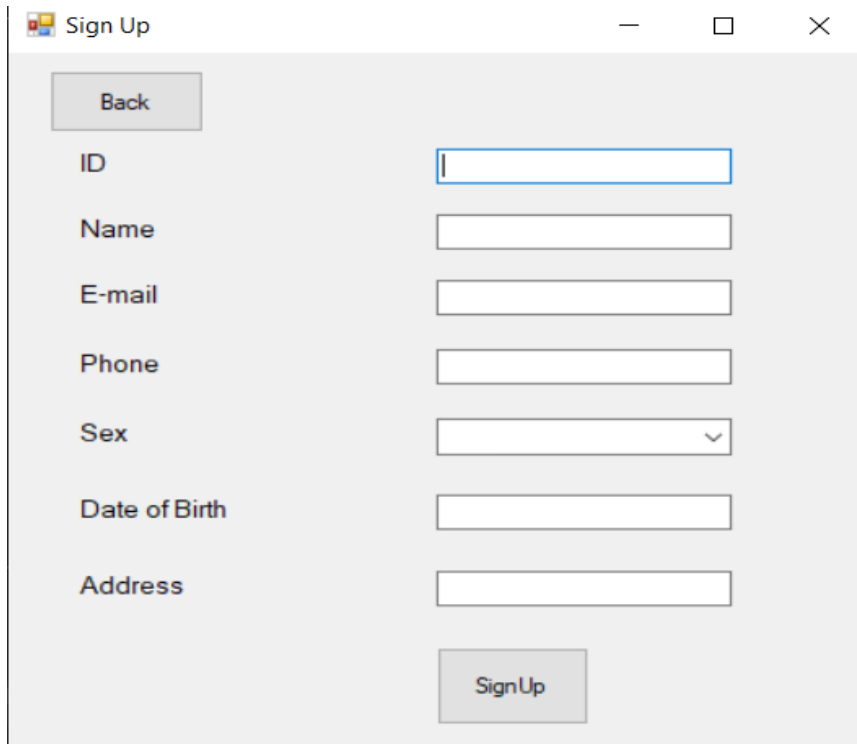
A screenshot of a Windows-style window titled "Log In". The window has a light gray background and standard window controls. Inside, there is a "Home" button in the top left. Below it, there are two labels: "ID :" and "Name :". Each label is followed by a text input field. The "ID" field has a blue border. At the bottom right, there is a "Login" button.

We have three forms like after choosing "Sign In" button from welcome form you go directly to one of the three log in form.

Three interfaces (Student log in, Professor Log in and Admin Log in).

Inserting wrong data the program shows message box showing that your data is wrong.

Sign Up:



A window titled "Sign Up" with a standard Windows title bar (minimize, maximize, close buttons). The window contains a "Back" button at the top left. Below it are seven input fields: "ID" (a text box with a cursor), "Name", "E-mail", "Phone", "Sex" (a dropdown menu), "Date of Birth", and "Address". At the bottom right is a "SignUp" button.

We have three Sign Up interfaces that Show from Welcome interface.

To sign up you have to insert in all boxes (all data).

Student and Professor:



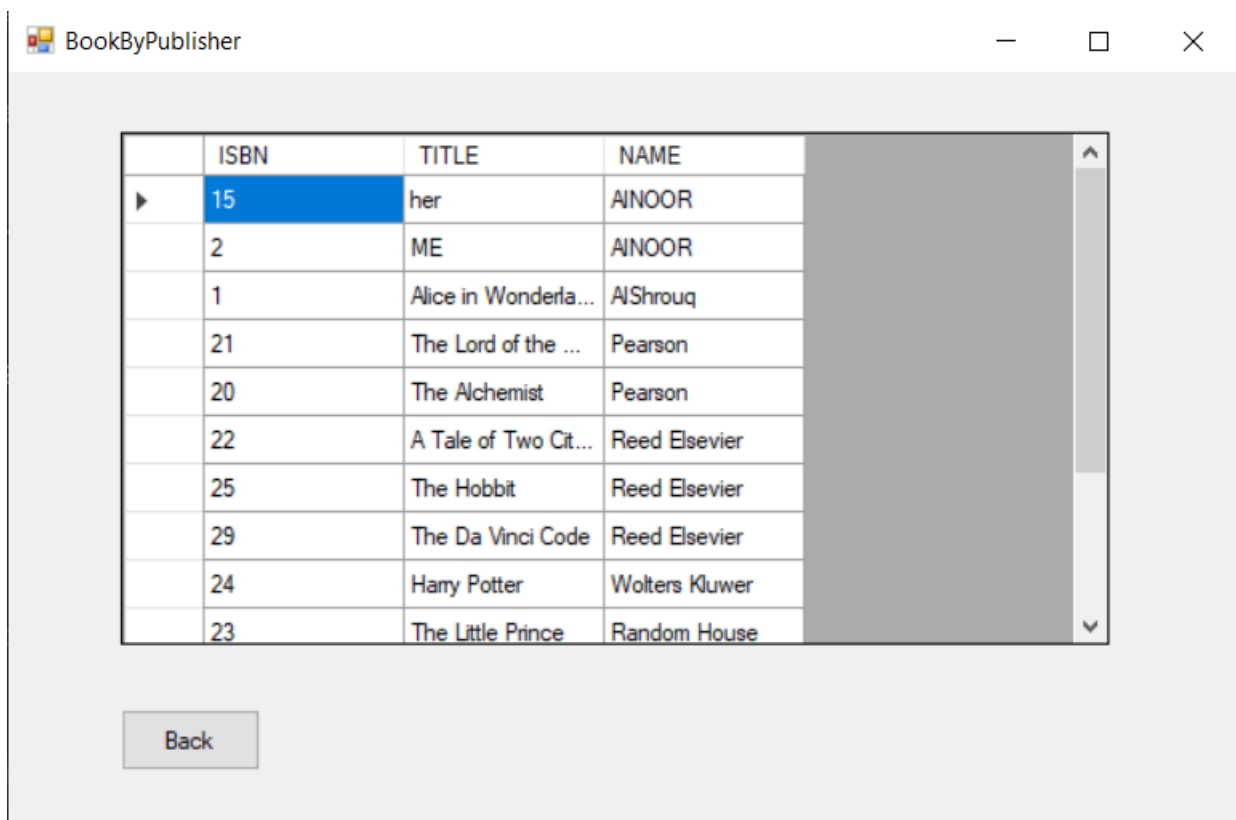
A window titled "Student" with a standard Windows title bar. It has two tabs: "Search" and "Borrow". The "Search" tab is active, showing a search interface with a "Book Name" label and a text input box. To the right is a button labeled "Books By Publishers". Below these is a table with the following columns: ISBN, PUB_ID, CAT_ID, TITLE, LANGUAGE, NUM_OF_PAGES, YEAR, and PRICE. The first row of the table is highlighted with a blue background and contains an asterisk in the first column. Below the table is a large gray rectangular area, likely a placeholder for search results or a list of books. At the bottom left is a "Log Out" button.

We have two semi interfaces one for Student and another for Admin.

Each one has two tabs (search for book and borrow a book).

Button (Books by Publishers) –Inner join-

Book by publishers:



	ISBN	TITLE	NAME
►	15	her	AINOOR
	2	ME	AINOOR
	1	Alice in Wonderla...	AlShrouq
	21	The Lord of the ...	Pearson
	20	The Alchemist	Pearson
	22	A Tale of Two Cit...	Reed Elsevier
	25	The Hobbit	Reed Elsevier
	29	The Da Vinci Code	Reed Elsevier
	24	Harry Potter	Wolters Kluwer
	23	The Little Prince	Random House

Back

In this form we joined book and publishers entities together as an inner join.

Can be accessed from button (Books by Publishers).

Admin:

The Admin interface consists of a window titled "Admin" with a tabbed menu at the top containing "Book", "Publisher", "Category", and "STUDENT Details". The "Book" tab is active. On the left, there is a form with the following fields: ISBN, Publisher ID, Category ID, Title, Language, Number of Pages, Year of Publish, Price, Available, and Author Name. Each field has a corresponding text input box. Below these fields are three buttons: "Insert", "Update", and "Delete". On the right, there is a table with the following columns: ISBN, PUB_ID, CAT_ID, TITLE, and LANG. The table contains 10 rows of data. Below the table is a "Show Data" button. At the bottom right of the window is a "Log Out" button.

ISBN	PUB_ID	CAT_ID	TITLE	LANG
1	10	50	Alice in Wonderfa...	Eng
15	20	2	her	Eng
21	111	11	The Lord of the ...	ENG
2	20	2	ME	Eng
22	222	22	A Tale of Two Cit...	ENG
23	555	99	The Little Prince	ENG
24	444	88	Harry Potter	ENG
25	222	44	The Hobbit	ENG
26	555	55	Alices Adventures	ENG
27	777	11	Dream of the Re...	ENG
28	888	77	And Then There ...	ENG

After logging in or signing up as an Admin you can go to this form where you can find four form through which you can INSERT, DELETE or UPDATE (Book – Publisher – Category – Student).