

Library Management System

Project made by:

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Introduction

A Book Shop Management System is a software solution designed to streamline and automate the operations of a bookstore. It provides a centralized platform for managing a personal use in library

The Book shop Management System is a sought-after system in the job market because most people are passionate about reading books. Therefore, we designed this system to make it easier for users to access them.

Our program helps in making books easily accessible.

A Book Shop Management System is an essential tool for modern bookstores looking to enhance their operational efficiency and customer service. By adopting such a system, bookstores can better manage their inventory, streamline sales processes, and provide a superior shopping experience to their customers. Whether it's a small independent bookstore or a large chain, a well-implemented management system can significantly contribute to business growth and success.

GUI Frames:

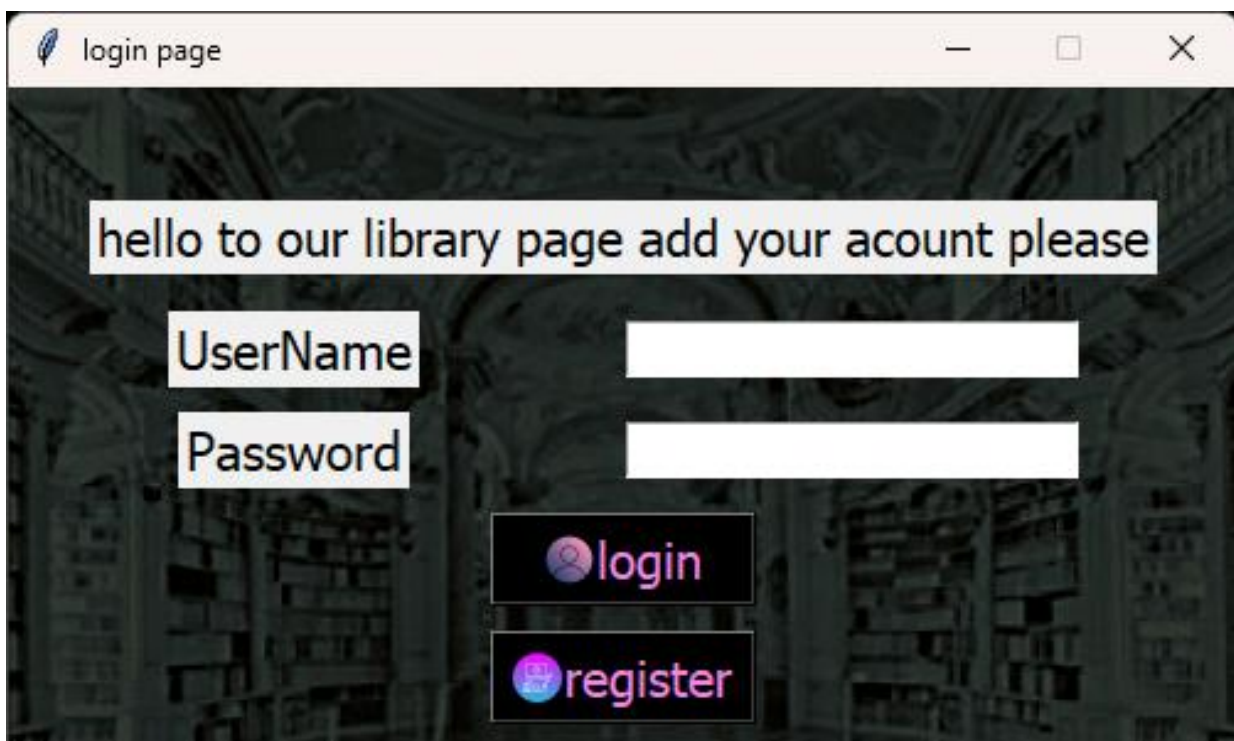
We have created a centralized that the user begin dealing with it then flowing to the other frames.

frame 1:

First, we created a sign-in framework.

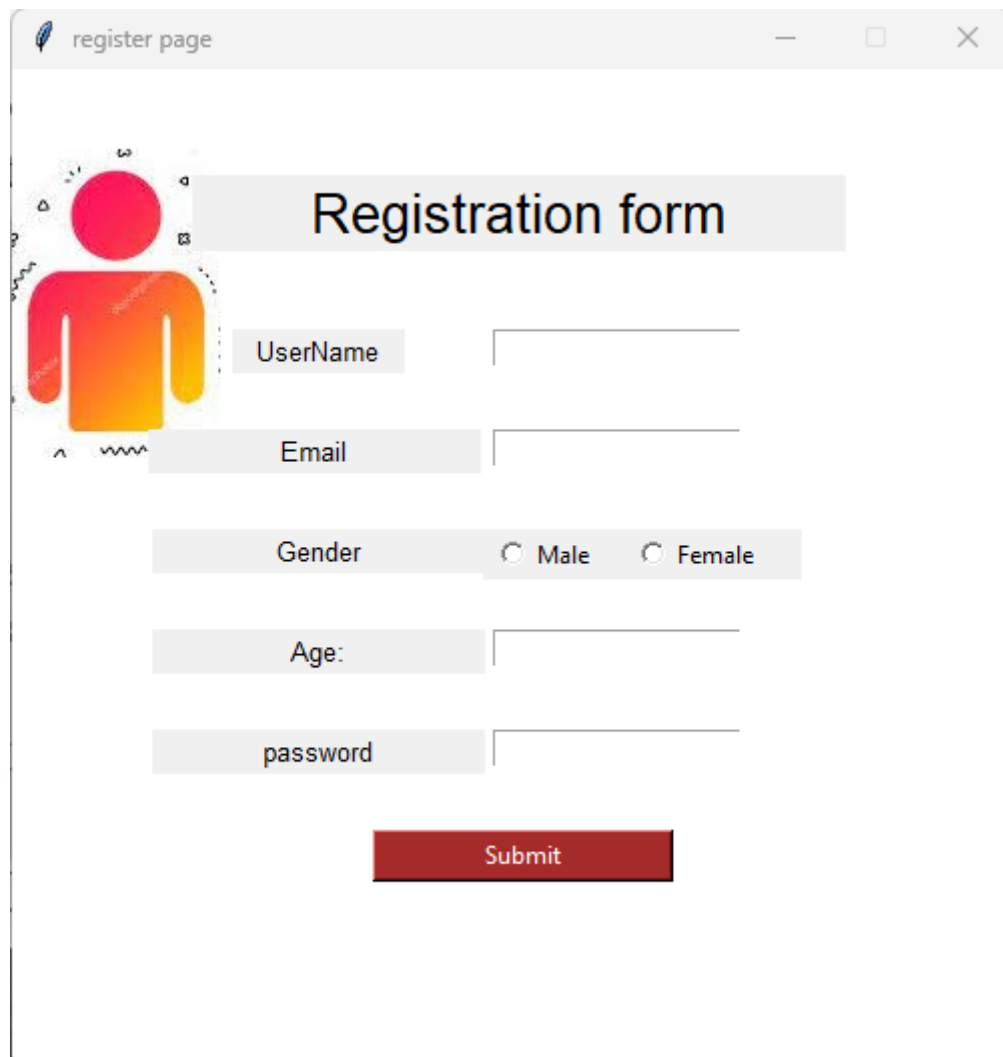
In this frame, the user is asked for the username and password, and if the password is correct, he is transferred to the next frame. If he is wrong, an error message appears in the password or username.

If the user doesn't have email yet then their's a button for registering with new account.



Frame 2:

In this frame, the user is asked for the signing-up with username and password, gender in a checkbox, age and if the data is all valid and clear he is transferred to the sign-in frame.



The image shows a web browser window titled "register page". Inside the window is a registration form. On the left side of the form is a stylized icon of a person with a red head and an orange-to-yellow gradient body. To the right of the icon, the title "Registration form" is displayed in a large, bold, black font. Below the title, there are several input fields and a submit button. The fields are labeled "UserName", "Email", "Gender", "Age:", and "password". The "Gender" field has two radio button options: "Male" and "Female". The "Submit" button is a red rectangle with white text. The form is set against a light gray background.

register page

Registration form

UserName

Email

Gender ☐ Male ☐ Female

Age:

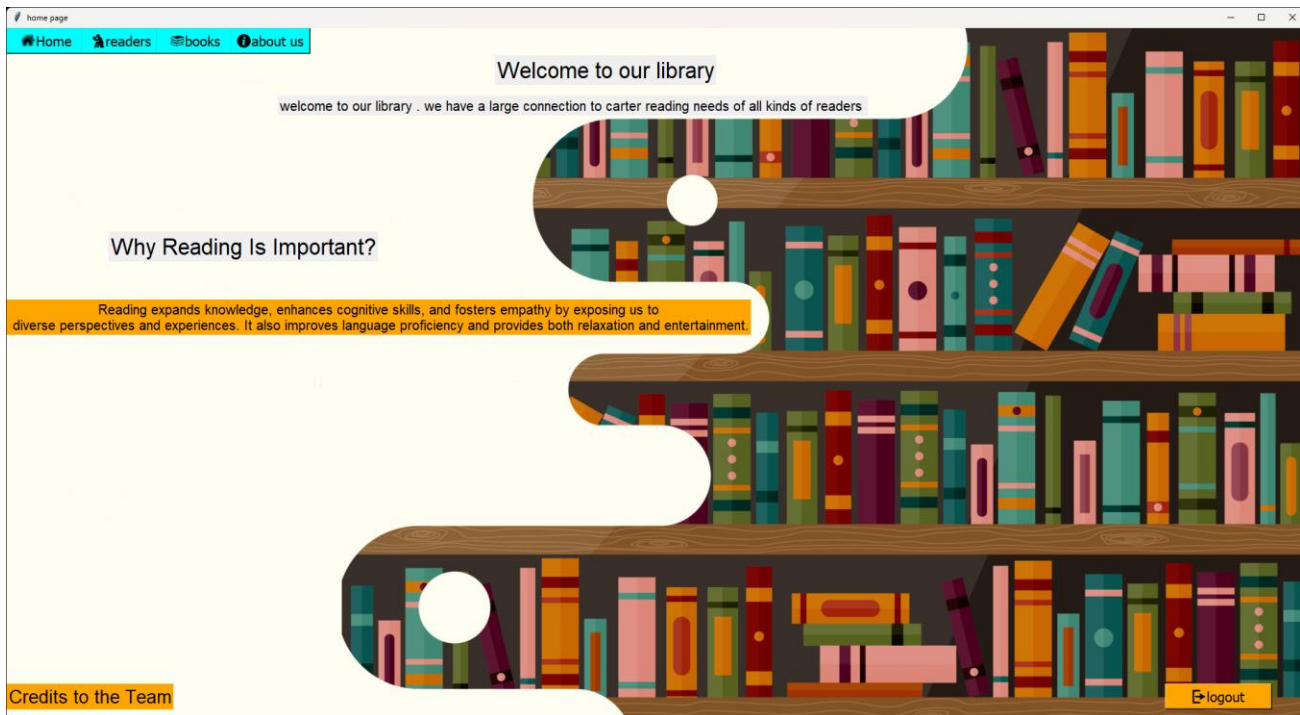
password

Submit

Frame 2:

Then we transfer to the home framework:

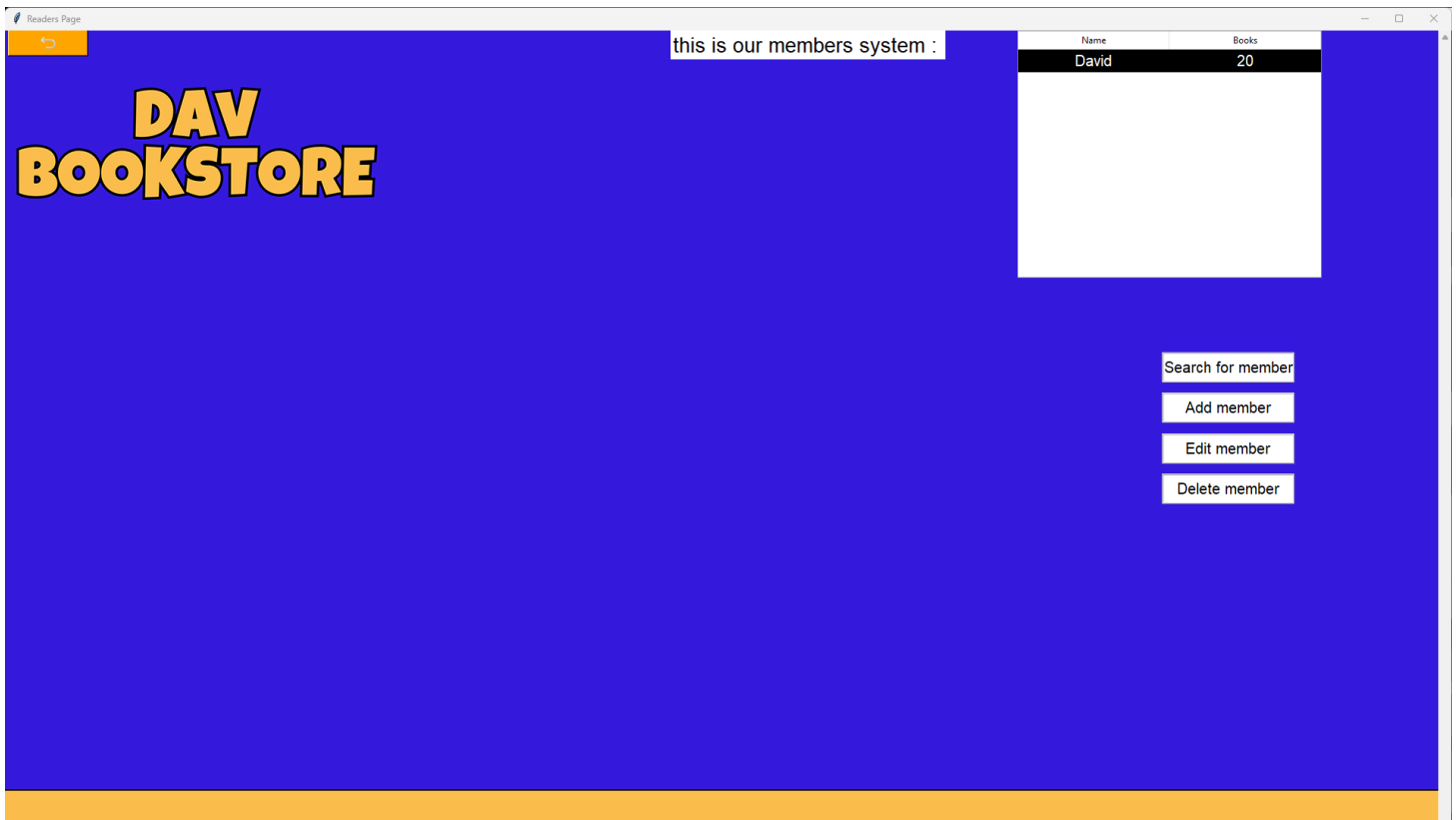
This frame contains a list buttons in the top right of the frame [home, books, re].



Each of the three choices leads you to a different list that includes all the data (readers, books, about us, contact us).

Frame 3:

If the first choice (readers) is selected, we transfer to readers framework: this frame allows the users to store the new readers details (name, ID, phone number, E-mail, address, age, book name). As soon as a customer is inserted, User information is automatically saved instantly.



Frame 4:

If the second choice (books) is selected, we transfer to update details of books framework:

If you just write the book you want, all the details will appear like (book ID, book name, category, published year, author's name, stock, price) As soon as the book is inserted, User information is automatically saved instantly. Your request is being processed.

The screenshot displays a web application interface for a bookstore. The page has a blue background with a yellow header bar. On the left, the text 'DAV BOOKSTORE' is prominently displayed in yellow. To the right of the header, a text box contains the message 'this is the books we have :'. Below this, a table lists various books with their details. On the right side of the page, there is a vertical stack of buttons for managing the book catalog.

Id	Book Name	Book Amount	Book rate	Book type
14	50 shades of gray	21	6.0	romantic
18	anaana	15	10.0	bad
8	bam bam	13	8.0	action
3	breaking bad	30	9.7	drama
11	brrr brrrr	213	7.2	dark comedy
27	brrrrrrrrr	15	8.0	culture
17	gaga	12	1.0	asasd
1	got	7	9.5	dark fantasy
25	house of the dragon	19	9.0	dark fantasy
4	misson imposipile	50	7.5	action

search for book

Add book

lend book

Delete book

Edit book

Return book

Frame 5:

If the last choice (about us) is selected, we transfer to all employee details framework:

this frame shows all employee details in a table(name, ID, age, salary), He\She can start to do his\her job.



Frame 6:

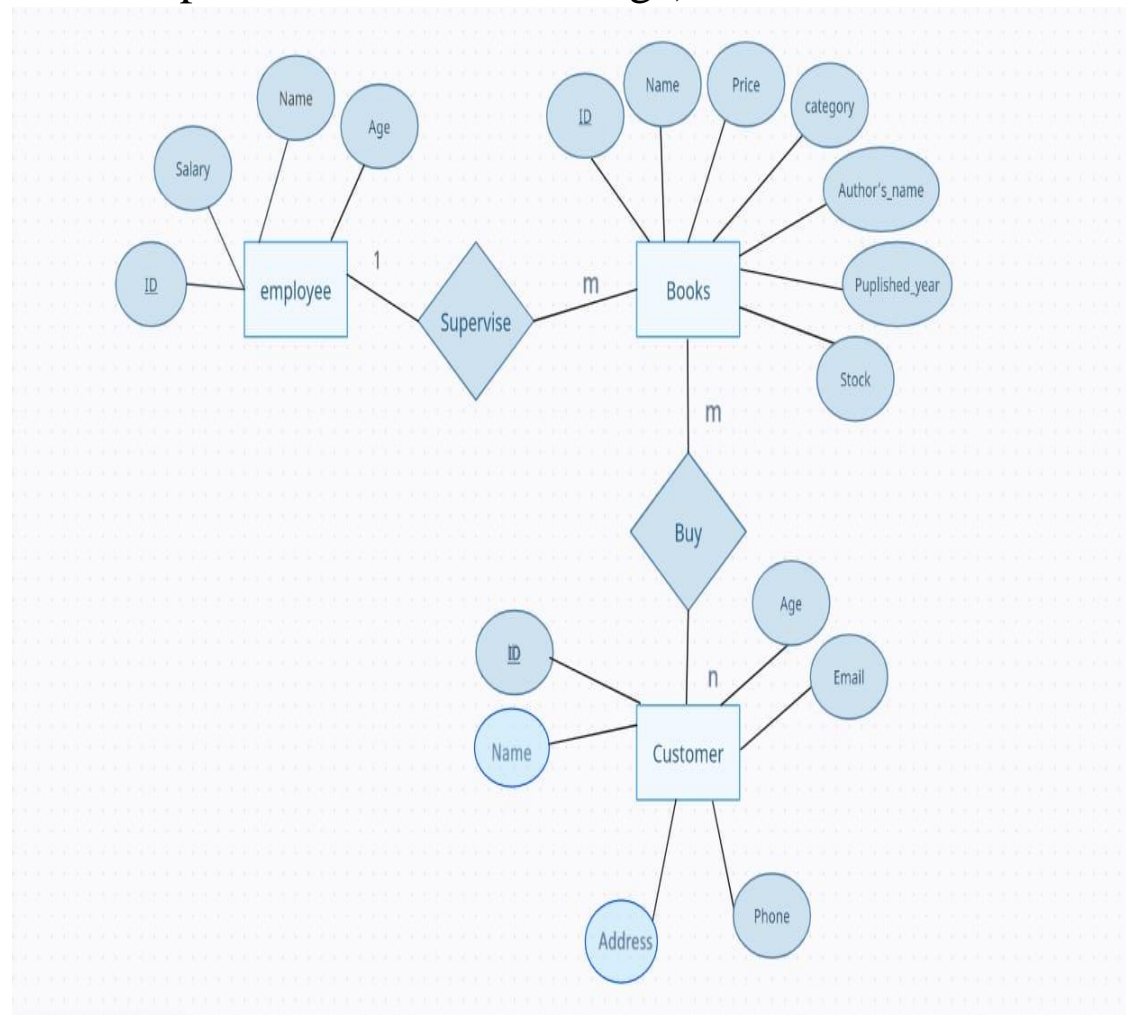
If the last choice (contact us) is selected, we transfer to all employee details framework:

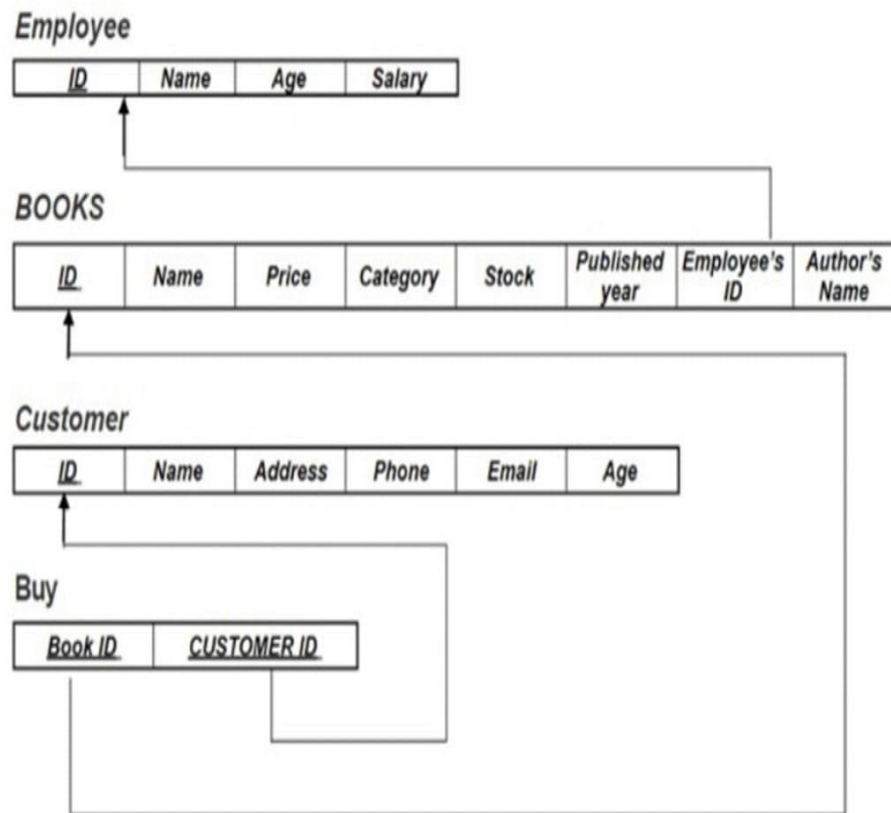
this frame shows all employee details in a table(name, ID, age, salary), He\She can start to do his\her job.



Data base:

Three tables have been created,
the first for the employee data (name, ID, salary, age),
the second for books (ID, name, price, stock, published year, author's name). the third for the customer data (ID, name, address, phone number, email, age)





The user can now book a book through the system, and their request is transferred to the bookstore's employee

The employee then processes the request.

At last, we created a class connection to connect between database and frames.