The Business Analytics Task ( 1 )

TASK:

Your organization is assigned to with the task of building a librarian portal. The portal must contain the following things

1. Create Login page for the users.
2. After creating an account, users can search for all books in my library by name, author, genre, published\_yr etc.
3. Users can reserve books online and then collect from library.

There are many other requirements that you need to elicit from the client. Create an information structure so the above requirements can be fulfilled.

Solution:

The solution to above problem statement is to prepare a web application with an idea of providing books , so let’s look how it is prepared.

1. The ‘LOGIN’ Page:

The complete application is prepared using Python Flask, HTML, CSS and JS. So before directly starting the code it is important to have the following requirements.

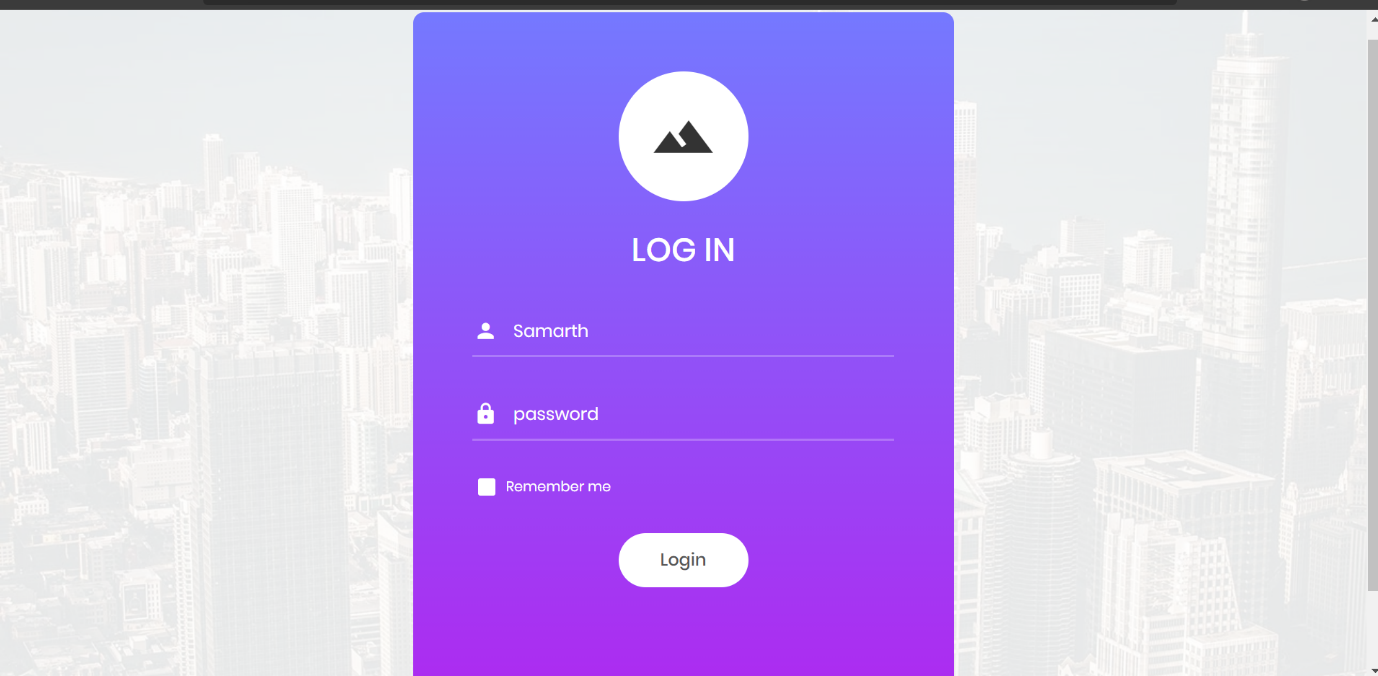
1. Have a localhost server – XAMPP.
2. From XAMPP open MYSQL and then make the following:
3. Database with the name ‘bookbank’:- it consist of tables having data of (books loaded by admin),(the login data) and (images uploaded by admin).
4. 3 Tables with the following names and functionalities .

|-> **Logins**: constitute data of people registering to the website like (**username, password**). These should be the name of the table as well.

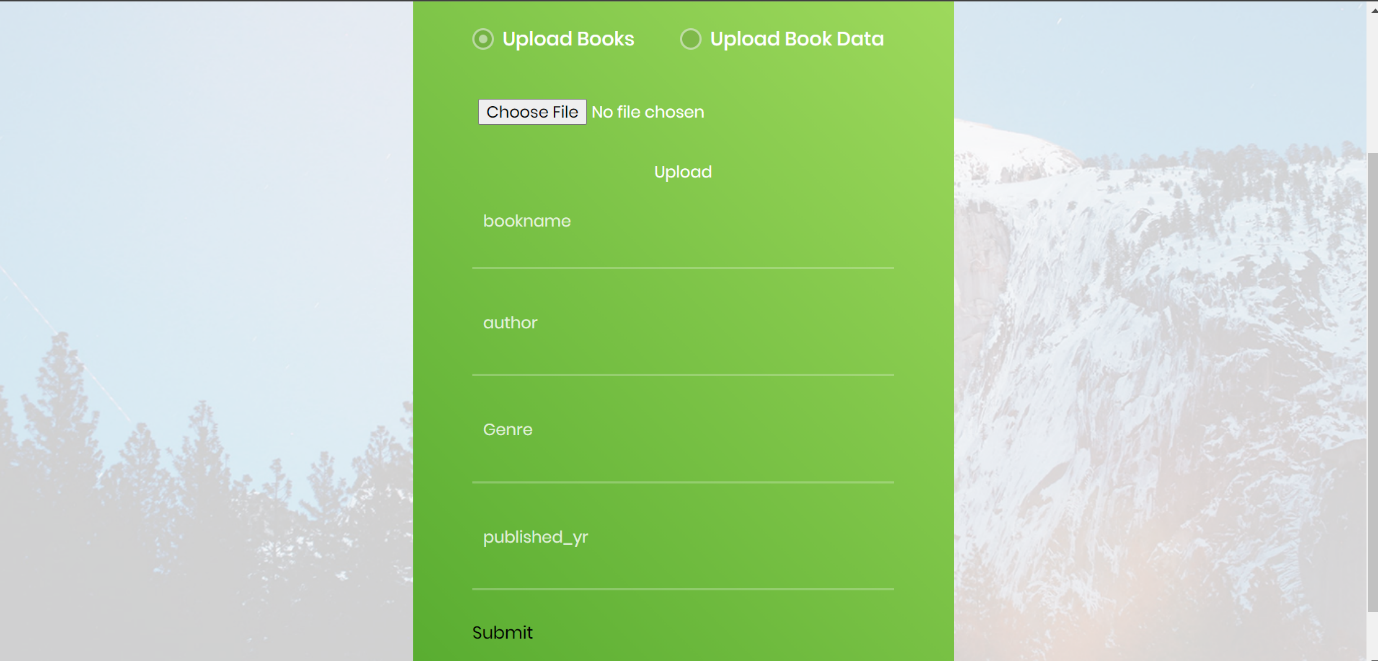
|-> **Library**: this table consist of the book data uploaded by admin like (**bookname, author, genre, published\_yr**). These should be the column names of the table as well.

|-> **Images**: this table consist of the images of books uploaded by admin. So this table should have column name **img\_dir**.

\*\*NOTE: Do not change the name of database not table name and neither column name. If name changes the code won’t execute and app doesn’t work.

Below I am explaining the process for login for admin as well as user with images. 

The above page is the login page from where ADMIN also sign-in. The credentials for the admin to login is **Username: ‘Samarth’ and Password: ’#Admin123’**.These credentials will take you to following page:



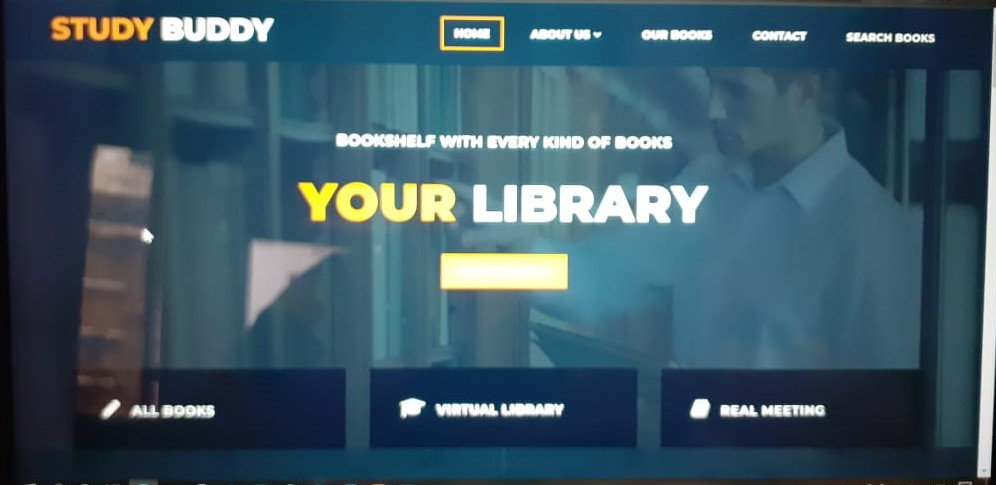
Now the above page is the admin page in which an admin can add the following:

1. Bookname
2. Author
3. Genre
4. Published\_yr
5. Image of the book

So admin can upload these details of the books for users.

So here ends the work of an admin.

B) **LOGIN TO MAIN PAGE:**

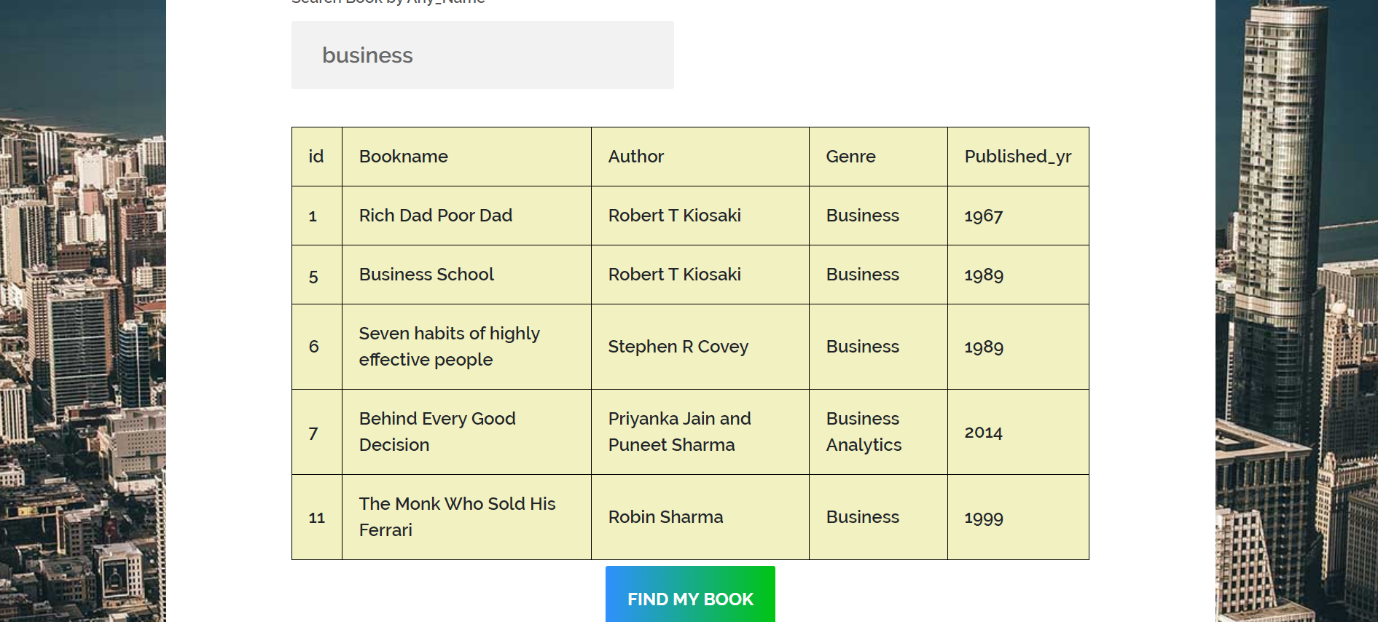


This will be the main page of the web application. Motive of this page is to present “What we do”,” What is our business”, “What type of books we give” and “About company”.

C) Search Books

Below I attached the image of the ‘search books’ page.

NOTE: This page will only work if database with table ‘library’ and right name of columns are specified (also written in code as comment). Now doesn’t matter whether a user search books by name, author, genre or by published year , he will get his book.



For any query I request you to please contact me if needed.

The problem may come while setting up database, I will help out if this problem occurs. I request you to please use XAMPP server .

**THANK YOU**