

## CLIENT REQUIREMENTS

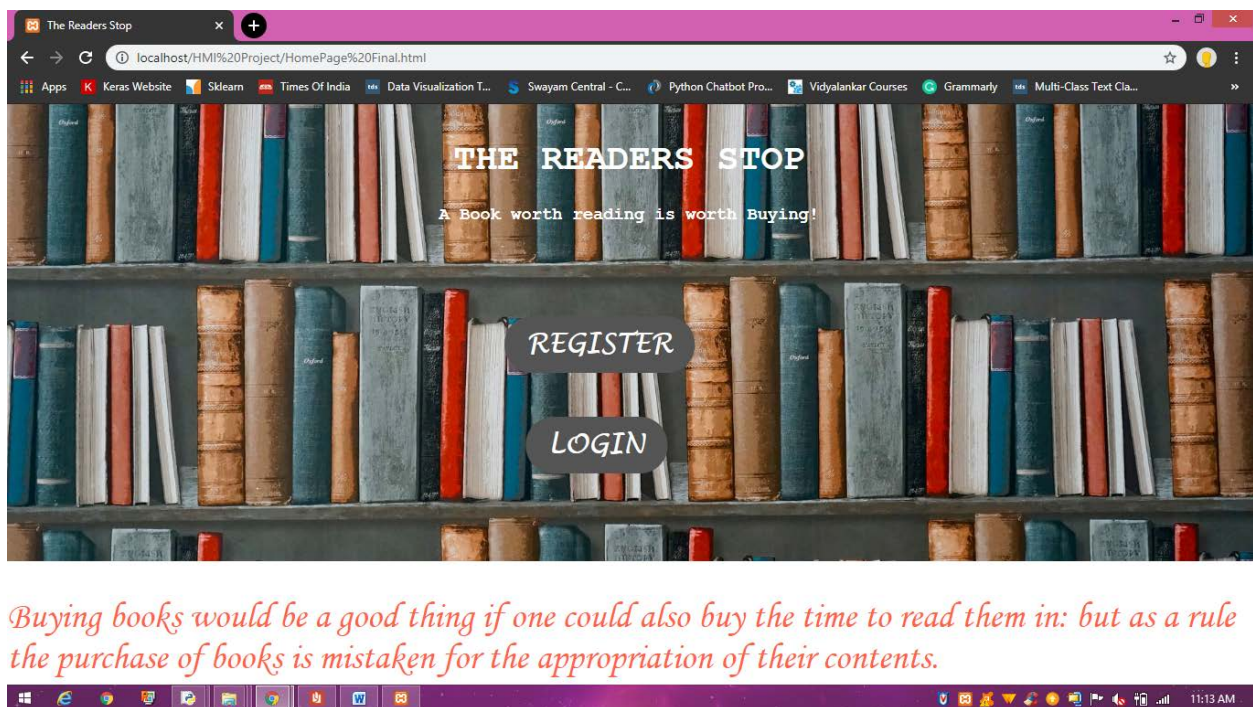
1. The client needs to either Register or Login in order to access the services of the website. Therefore, he/she has to either select the Register or the Login option at the Home Page.
2. If the client chooses 'Register', they will have to register themselves using the two registration forms.
  - a. Account Details Section: Here the client needs to fill in their username, email id and password.
  - b. Personal Details Section: Here the client needs to fill in their name, surname, address, date of birth, contact number, etc.
3. Once the registration form is filled by the client, the details of the client are stored in the database for further requirements and the client can then access the services of the system.
4. If the client chooses 'Login' on the Home Page, they will have to login and validate themselves before accessing the services. If the credentials entered by client is incorrect, he/she will encounter an error message and cannot access the services, unless the correct credentials are entered.
5. After the successful Registration or the Login, the client can access the Book Page. This page of the website will have number of books which the user can select to purchase. These books are arranged according to the genre they belong to, which will be categories like, biography, sci-fi, technical, etc.
6. Now, after selecting a single book or multiple number of books the user can checkout to proceed with the last stage of buying the book which will be payment. The payment portal, i.e. the Billing Page will show the books selected by the user for checkout and will display the total amount to be paid.

# DESIGN

## DIFFERENT SCENARIOS

### 1. HOME PAGE:

The first page of the Online Book Buying System is the Home Page, where the user either has to register if he/she is a new user or can directly login into his/her account if he/she has already registered and created an account before.



*Buying books would be a good thing if one could also buy the time to read them in: but as a rule the purchase of books is mistaken for the appropriation of their contents.*

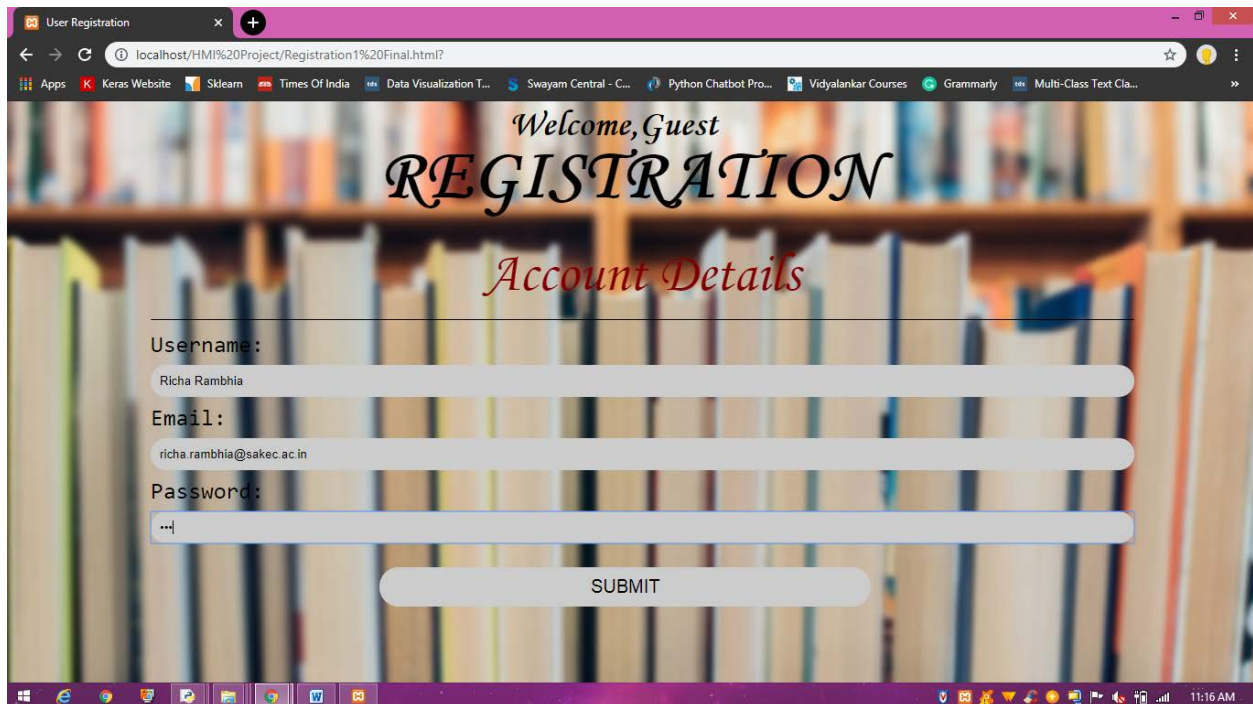
### 2. REGISTRATION PAGE:

If the user is new to this service, then he/she will have to create an account by registering on the website. There are two registration pages which the user has to fill to create a profile.

The following are the two registration pages:

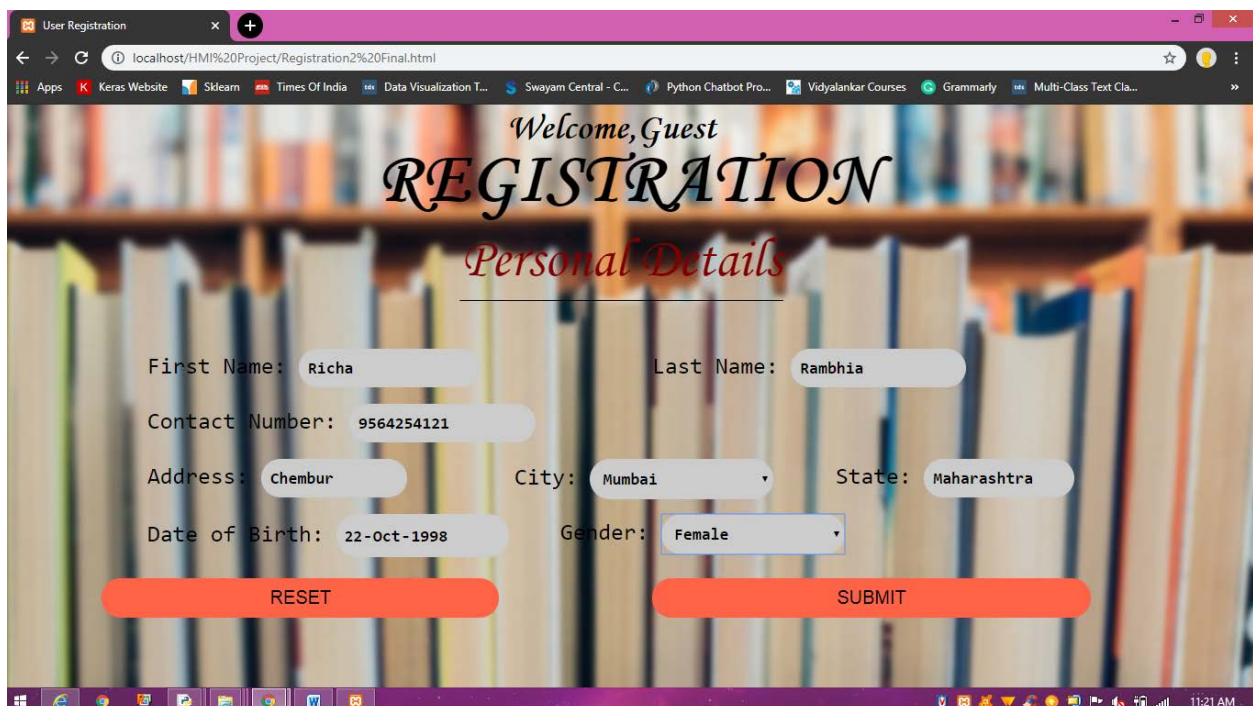
- User Registration page - Account Details
- User Registration page - Personal Details

**Account Details:** Here, the user has to enter details like the username, email id and password.



The screenshot shows a web browser window titled 'User Registration' with the URL 'localhost/HMI%20Project/Registration1%20Final.html?'. The page has a background image of bookshelves. At the top, it says 'Welcome, Guest' followed by 'REGISTRATION' in large, bold, black letters. Below this, 'Account Details' is written in a red, cursive font. The form contains three input fields: 'Username:' with the value 'Richa Rambhia', 'Email:' with the value 'richa.rambhia@sakec.ac.in', and 'Password:' with a masked value '...'. A 'SUBMIT' button is centered below the fields. The Windows taskbar at the bottom shows the time as 11:16 AM.

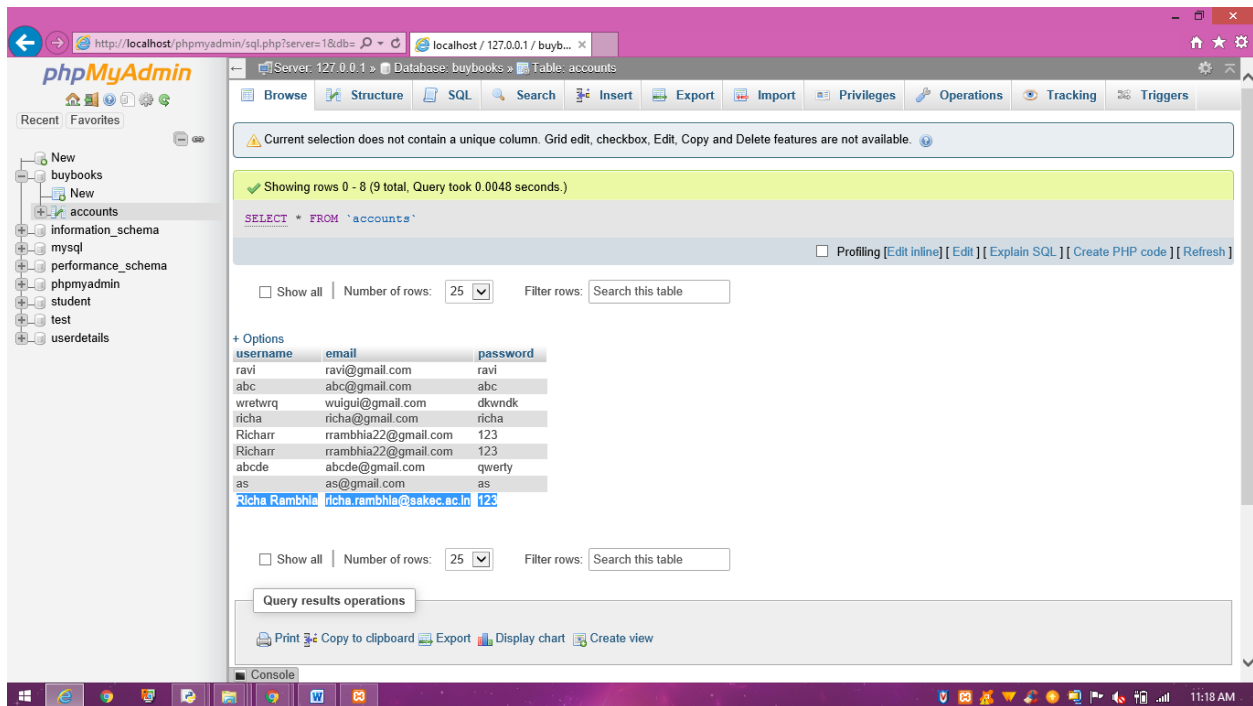
**Personal Details:** Here the user has to provide information like name, surname, address, date of birth, gender, etc.



The screenshot shows the same web browser window, but the URL is 'localhost/HMI%20Project/Registration2%20Final.html'. The page title is 'Welcome, Guest' followed by 'REGISTRATION' in large, bold, black letters. Below this, 'Personal Details' is written in a red, cursive font. The form contains several input fields: 'First Name:' with the value 'Richa', 'Last Name:' with the value 'Rambhia', 'Contact Number:' with the value '9564254121', 'Address:' with the value 'Chembur', 'City:' with a dropdown menu showing 'Mumbai', 'State:' with a dropdown menu showing 'Maharashtra', 'Date of Birth:' with the value '22-Oct-1998', and 'Gender:' with a dropdown menu showing 'Female'. There are two buttons at the bottom: 'RESET' and 'SUBMIT'. The Windows taskbar at the bottom shows the time as 11:21 AM.

### 3. DATABASE:

In this, the user information is stored in the database which gets stored once the user has entered all the details in the User Registration page – Account Details.



The screenshot shows the phpMyAdmin web interface. The left sidebar displays a tree view of databases, including 'buybooks', 'information\_schema', 'mysql', 'performance\_schema', 'phpmyadmin', 'student', 'test', and 'userdetails'. The main panel shows the 'accounts' table in the 'buybooks' database. A message at the top states: 'Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.' Below this, a green bar indicates 'Showing rows 0 - 8 (9 total, Query took 0.0048 seconds.)'. The SQL query 'SELECT \* FROM `accounts`' is displayed. Below the query, there are options to 'Show all', 'Number of rows: 25', and a 'Filter rows' search box. The table data is shown below, with the selected row highlighted in blue.

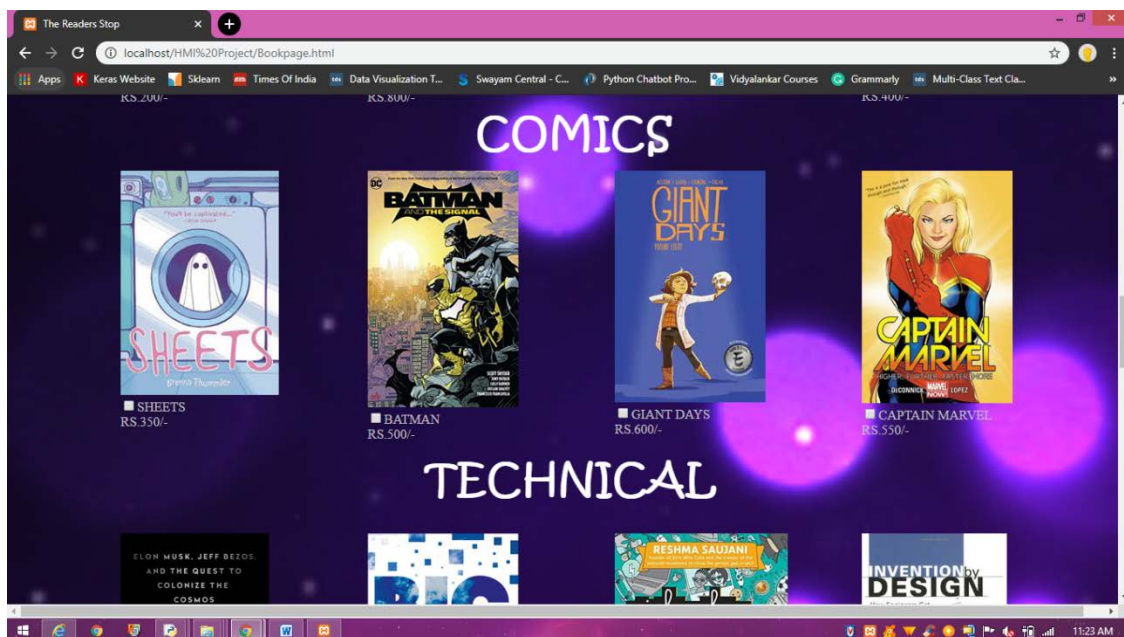
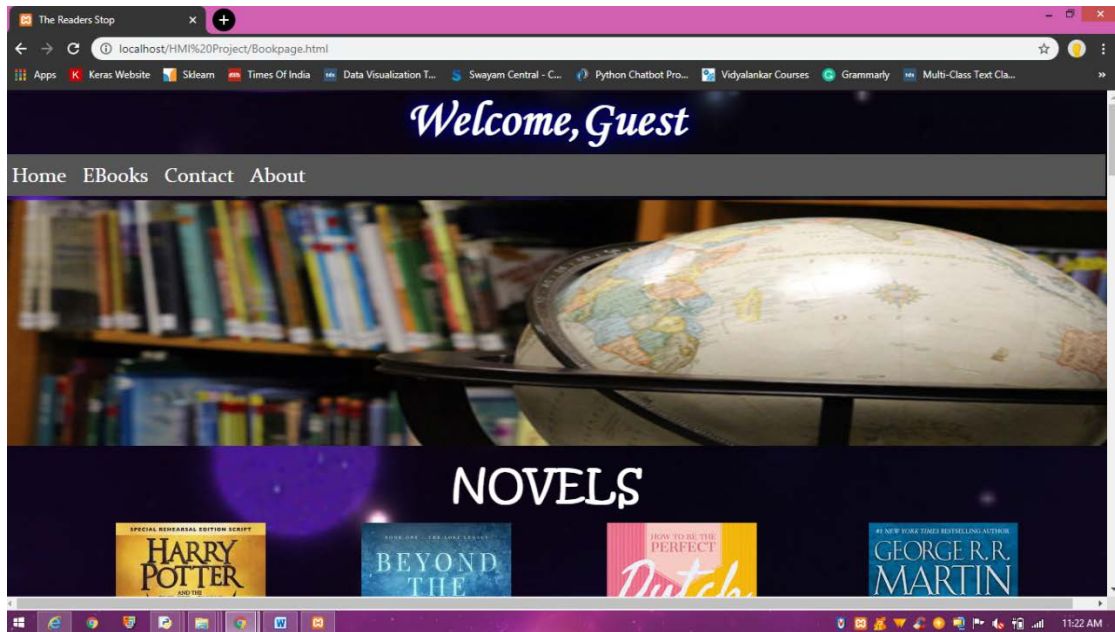
username	email	password
ravi	ravi@gmail.com	ravi
abc	abc@gmail.com	abc
wretwrq	wuigui@gmail.com	dkwndk
richa	richa@gmail.com	richa
Richarr	rambhia22@gmail.com	123
Richarr	rambhia22@gmail.com	123
abcde	abcde@gmail.com	qwerty
as	as@gmail.com	as
Richa Rambhia	richa.rambhia@sakoc.ac.in	123

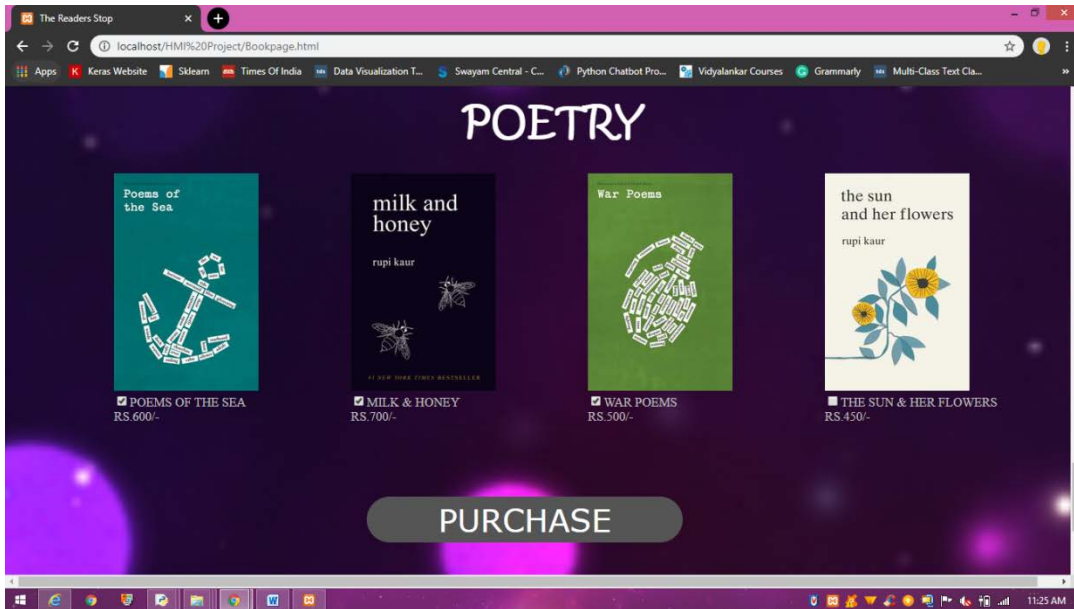
Below the table, there are options to 'Show all', 'Number of rows: 25', and a 'Filter rows' search box. At the bottom, there is a 'Query results operations' section with links for 'Print', 'Copy to clipboard', 'Export', 'Display chart', and 'Create view'.



#### 4. BOOK PAGE:

In this section, the various types of books are displayed along with their name and price tag, which are available to purchase. Here, the user can go through all the books available, make a choice of purchasing and can select the books to purchase.

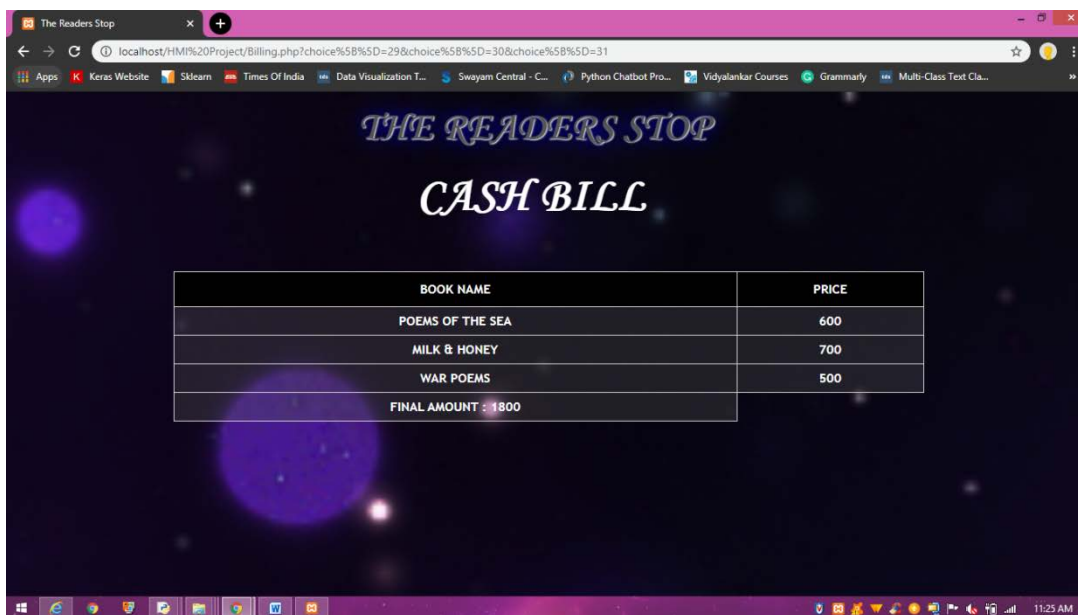




## 5. BILLING PAGE:

This is the final page of the Online Book Buying System, where the bill is generated based on the books that are selected by the user in the previous page (Book page).

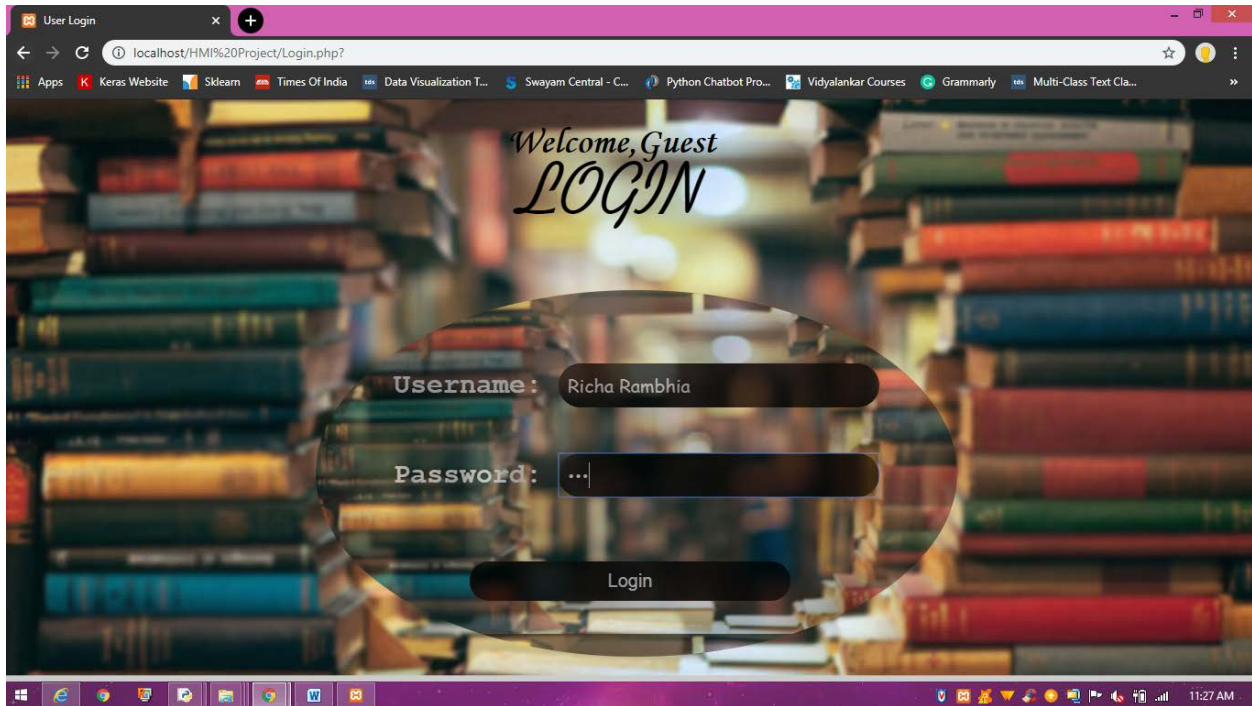
In this, a table is generated which has information about the books purchased and their price, along with the final amount of purchase.



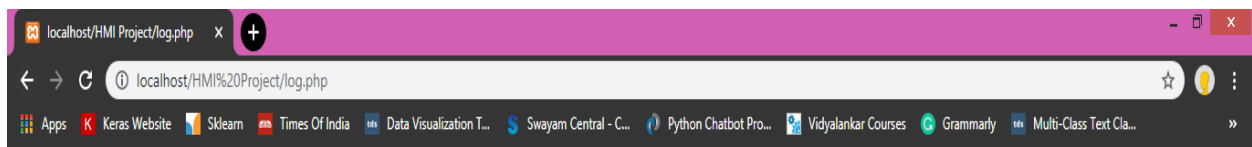
## 6. LOGIN PAGE:

If the user has already completed the process of registration and created an account, the user can directly log into his/her account, access the webpage and purchase the book he/she is looking for.

(The Book Page and Billing Page remain same after the login)



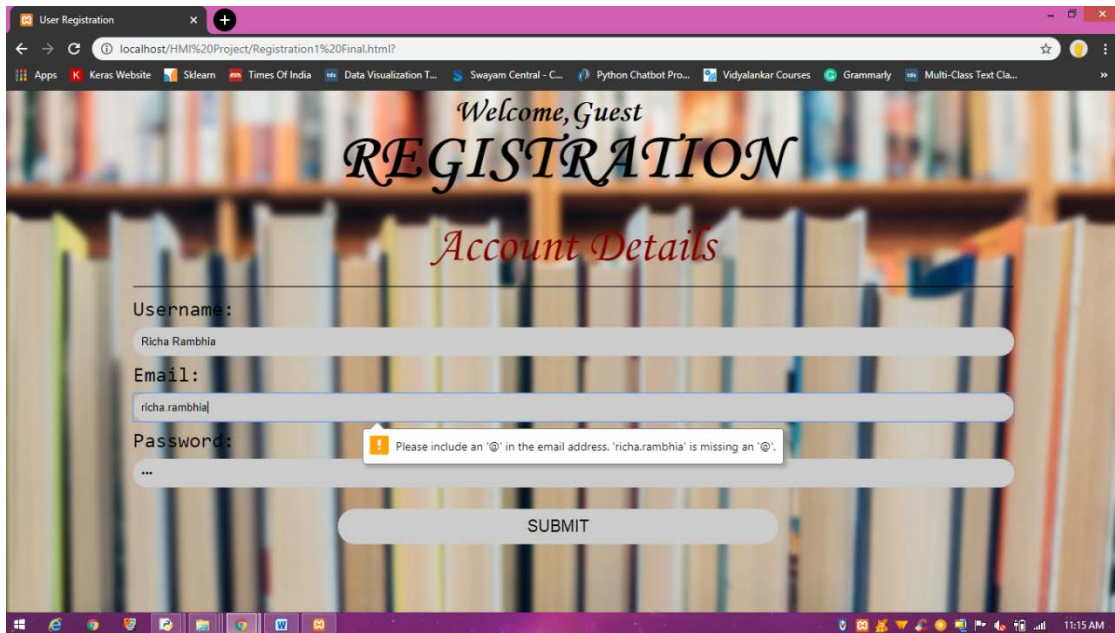
- If the credentials entered by the user match the credentials stored in the database, the user will be successfully logged into the webpage.
- If the credentials entered by the user do not match the credentials stored in the database, the user will not be logged into the webpage and get the following message.



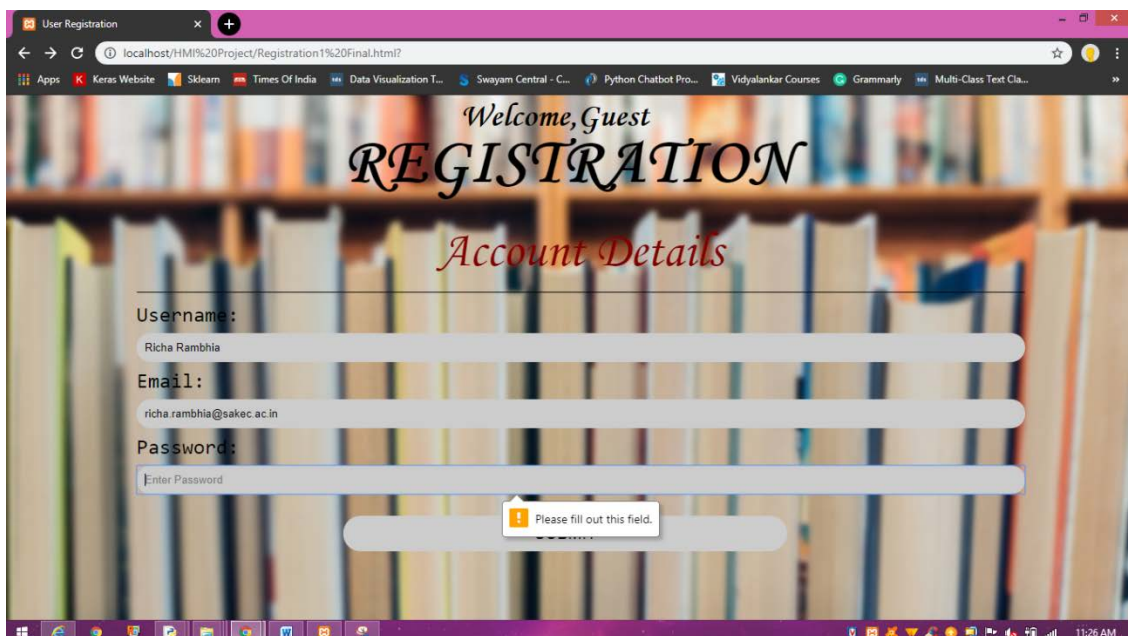


## INTERACTION STYLES

1. **Form Filling:** If the details entered are not in required format, error message pops up.



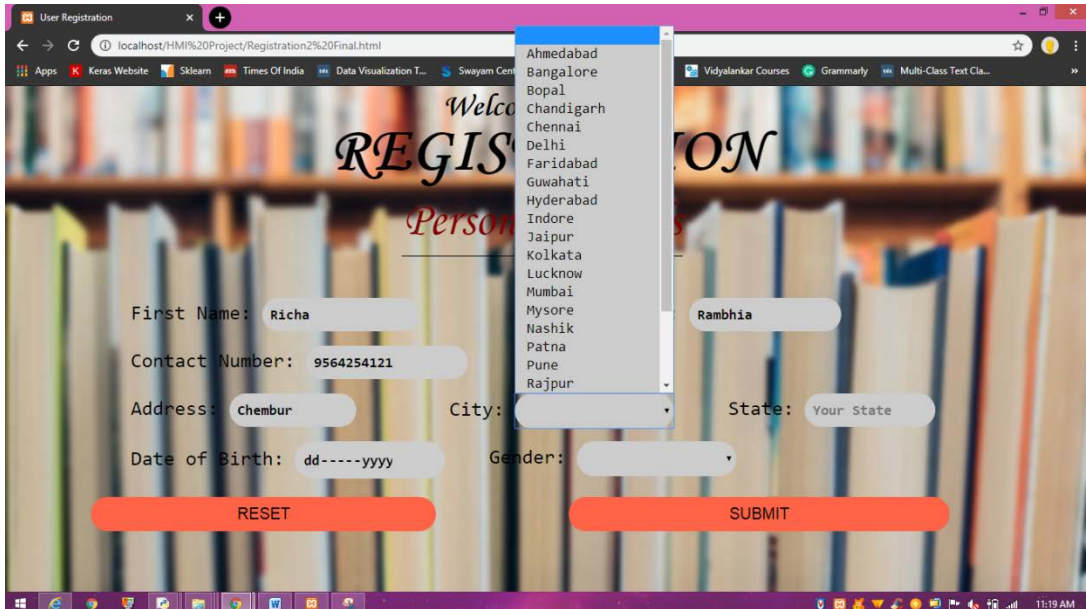
The screenshot shows a web browser window titled "User Registration" with the URL `localhost/HMI%20Project/Registration1%20Final.html?`. The page has a background image of bookshelves and the text "Welcome, Guest" and "REGISTRATION" in a large, stylized font. Below this, the text "Account Details" is displayed. The form contains three input fields: "Username:" with the value "Richa Rambhia", "Email:" with the value "richa.rambhia", and "Password:" with a masked value "...". A red error message box is visible next to the email field, stating: "Please include an '@' in the email address. 'richa.rambhia' is missing an '@'." A "SUBMIT" button is located below the form fields. The browser's taskbar at the bottom shows various application icons and the system clock indicating 11:15 AM.`



The screenshot shows the same web browser window as the previous one, but with different input values. The "Username:" field still contains "Richa Rambhia". The "Email:" field now contains "richa.rambhia@sakec.ac.in". The "Password:" field contains the placeholder text "Enter Password". A red error message box is now visible below the form fields, stating: "Please fill out this field." The "SUBMIT" button remains below the form. The browser's taskbar at the bottom shows the same application icons and the system clock indicating 11:26 AM.



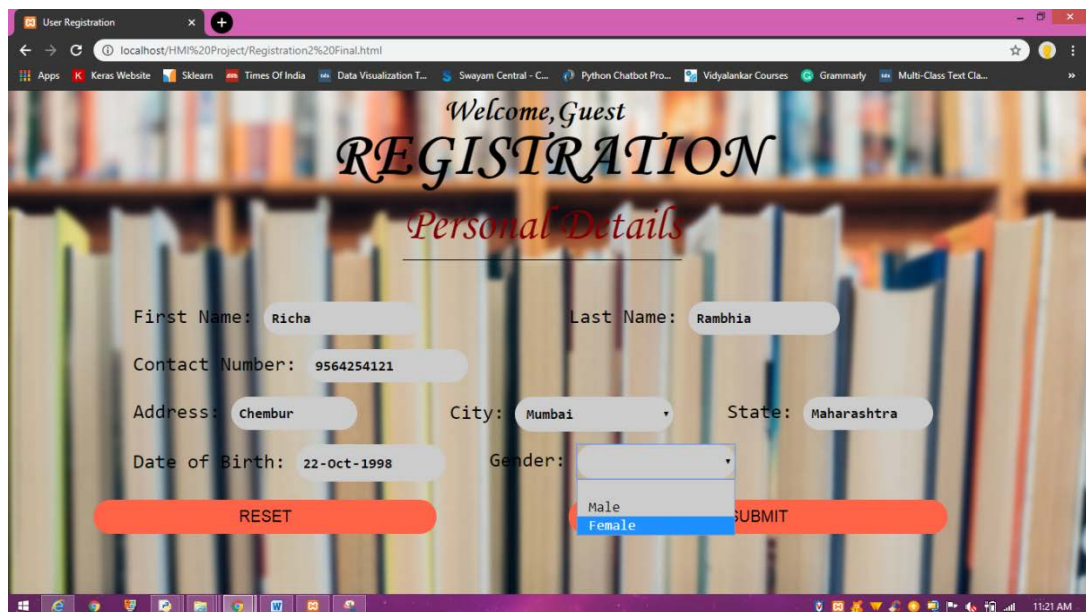
2. **Dropdown Option:** Some form filling options require dropdowns to choose the values. Here, City option has a dropdown stating all the cities.



The screenshot shows a web browser window with the title "User Registration". The address bar displays "localhost/HMI%20Project/Registration2%20Final.html". The page features a background image of bookshelves. The main heading is "Welcome, Guest REGISTRATION Personal Details". The form includes the following fields:

- First Name: Richa
- Contact Number: 9564254121
- Address: Chembur
- City: A dropdown menu is open, showing a list of cities: Ahmedabad, Bangalore, Bopal, Chandigarh, Chennai, Delhi, Faridabad, Guwahati, Hyderabad, Indore, Jaipur, Kolkata, Lucknow, Mumbai, Mysore, Nashik, Patna, Pune, and Rajpur.
- State: Your State
- Date of Birth: dd-----yyyy
- Gender: A dropdown menu is open, showing options: Male and Female.

At the bottom of the form, there are two buttons: "RESET" and "SUBMIT".



The screenshot shows the same web browser window as the previous one. The form fields are now filled with the following values:

- First Name: Richa
- Last Name: Rambhia
- Contact Number: 9564254121
- Address: Chembur
- City: Mumbai
- State: Maharashtra
- Date of Birth: 22-Oct-1998
- Gender: A dropdown menu is open, showing options: Male and Female.

At the bottom of the form, there are two buttons: "RESET" and "SUBMIT".

Welcome, Guest  
**REGISTRATION**  
*Personal Details*

First Name: Ric  
 Last Name: Rambhia  
 Contact Number:  
 Address: Chembur  
 Date of Birth: April 2020  
 Gender:

RESET SUBMIT

- 3. Menus:** Navigation menus allow creating custom menus. Here, the navigation bar has menu option such as Home, EBooks, Contact and About.

