



Final Exam

Program Name	BSCS
Course Code	CSSE3143
Course Name	Web Application Development
Course Instructor	<ul style="list-style-type: none">● Saeed Iqbal Khattak● Mohammad Talha● Rehan Abbas
Time Allowed	3 Hours
Total marks	70
Academic Honesty Policy	Academic dishonesty will not be tolerated. Academic dishonesty includes cheating, plagiarism (copying) or any other attempts to gain an academic advantage in a dishonest or unfair manner.

Submission

Compress all the files into a zip file and submit.

Instructions (Library Management)

You have to develop a simple admin panel for library. Follow the instructions step by step.

1. Download the zip file final.zip and extract it.
2. Put the extracted folder “final” in “htdocs” folder located under the "XAMMP" folder.
3. Now go to <http://localhost/phpmyadmin/>.
4. Create a new database with name “final”
5. Go to the import tab in phpMyAdmin and import the file “final.sql” from the extracted folder “final”.
6. Now go to the <http://localhost/final> , you will see the following two php files
 - a. login.php
 - b. main.php

login.php



Username

Password

LOGIN

main.php

Book Title

Book Author

ADD RECORD

Welcome user1

Logout

ID	Book Title	Book Author	Added By	Operation
1	Heer	Waris Shah	user2	Delete / Update
2	Loona	S K Batalvi	user2	Delete / Update
3	Anna Karenina	Leo Tolstoy	user1	Delete / Update
4	Madame Bovary	Gustave Flaubert	user1	Delete / Update
5	War and Peace	Leo Tolstoy	user1	Delete / Update
6	The Great Gatsby	F. Scott Fitzgerald	user1	Delete / Update
7	Lolita	Vladimir Nabokov	user1	Delete / Update

Now add code to this project to achieve the following.

Question 1: (10)

When the user submits the login page, the user name and password information should be verified from the “users” table of database. If the user is successfully verified, the user would land at main.php page otherwise he/she would be redirected to login.php page.

Question 2: (5+5+5)

- a) Upon successful login, the username would be put in a session variable and will be shown on main.php as “welcome _____” shown in the screenshot.
- b) Clicking on the “Logout” link will destroy the session and the user will be redirected to the login.php page again.
- c) If the user tries to open the main.php page directly after being logged out, he/she would again be redirected to login.php page.

Question 3: (10)

Upon successful login, the username and password will also be stored in browser cookies. When the next time, the user opens the login.php page, the input fields will be auto filled from cookies.

Question 4: (15)

Clicking on the update link of any record should open a new web page having a form filled with the values of that record. On that page, we could update all the values except primary key “id”. Clicking the update button will update that record in database and the user will land again on main.php.

Question 5: (20)

Clicking on the delete link should delete that row from the table and this should happen without reloading or refreshing the main.php. You can achieve this by using AJAX.

(Please note that after deleting the record from the database, the html table also needs to be redrawn without reloading the whole page.)