

# Web Engineering Lab

**Lab 09****Marks 100****Instructions**

Work on this quiz/lab individually.

You are **NOT** allowed to use internet, mobile phone.

You are **NOT** allowed to borrow anything from your peer student.

**What you have to do**

Program the following tasks. The name of your files will be according to the task given in this lab.

**Task****[100]**

Design a small web application that support the login of two different type of users i.e., **teacher** and **student**.

**Step 1:**

You need to create the signup pages for all the users with following attributes:

**Student:** email, name, semester, password, phone\_no, user\_type

**Teacher:** email, name, password, phone\_no, user\_type

**Step 2:**

Create a single sign-in page for all the users with **email** and **password**.

**Step 3:**

The main page of **student** must display his/her data including the list of courses in current semester.

The main page of **teacher** must display the list of courses, he/she is teaching in the current semester.

**Database design:**

**authentication:** ( email(varchar), password(varchar), user\_type(int) )

**profile:** (email(varchar), name(varchar), dob(varchar), semester(int), phone\_no(varchar))

**course:** (course\_id(int), name(varchar), semester(int))

**courseAssignment:** ( course\_id(int), email(varchar) )

**Instruction:**

- Courses and their registration must be saved manually in **course** and **courseAssignment** tables.
- You are allowed to make any necessary amendments in the columns of table (e.g., adding any auto-incremental key as primary key) however, the name of the table must be the same.
- You need to implement the relationship of primary key and foreign key in database.
- Any type of users cannot proceed without logging-in and each user is only capable to view his/her own homepage. (Hint: use session handling).
- HTML forms should be validated using Javascript/place-holders.
- All users should be able to logout and after that they should not be able to view their homepage.

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☺ ☺ ☺ **BEST OF LUCK** ☺ ☺ ☺

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