



Lab 3

Login and Registration form

Objectives:

- Dealing with PhpMyAdmin and learning basic SQL commands.
- Integrating Web applications with database.
- Creating basic registration and login form using HTML and PHP.
- Validating forms using JavaScript.

phpMyAdmin:

PhpMyAdmin is a **free software tool written in PHP to handle the administration of MySQL Database with the use of a web browser.**

It supports wide range of MySQL operations

First: Run PhpMyAdmin:

- Open XAMPP start the Apache and MySQL
- Open the browser and type into the url:
http://localhost/phpmyadmin
- By default browser search for service using port 80, if you are using different port for apache (ex: 8080)
type : **http://localhost:8080/phpmyadmin** instead

Second: Create Database:

1. Create Your Database and tables using **DDL statements:**
User (user_id, email, name, password, registration_date)
Department (id, name, description)

Note: make sure that field **user_id** in table User and **department_id** in table Department are auto increment. **Use DDL statements to create the tables as they will be required to show them during the discussion.**



Third: Create The Web App :

1. Create a web page that allows Registration and Login
2. Login will ask the user to enter his email and password.

Make client side validations using **Javascript** and server side validations on these fields:

- Email and password are not empty.

The php code should connect to Mysql and run a query to select user data by the provided password and email.

3. Registration will ask the user to insert name, email, password and confirm password

Make client side validations using **JavaScript** and server side validations on these fields:

- Username, email, password and confirm password are not empty, display which field is empty if any.
- Email must be unique (Two users can never have same email), display "Email Already Exists" on registering with an existing email (**This validation will be done server side only**)
- Password and confirm password fields must be the same.



4. After submission of both forms. If all user inputs are valid, it should display **Welcome {Name}** and display a table of departments containing the department name and description only. If any input is invalid or empty redirect to the same page and a message should be displayed with the list errors.

Bonus:

- Saving password encrypted using MD5.
- Submitting the forms using Ajax.
- Using CSS to format the forms.
- Email has valid format.

Policies :

- You should work individually.
- If 2 or more copies are discovered, all copies will lose all the marks of year work. Hence, it is better to deliver nothing than delivering a copy.