1901CS63

Assignment 10

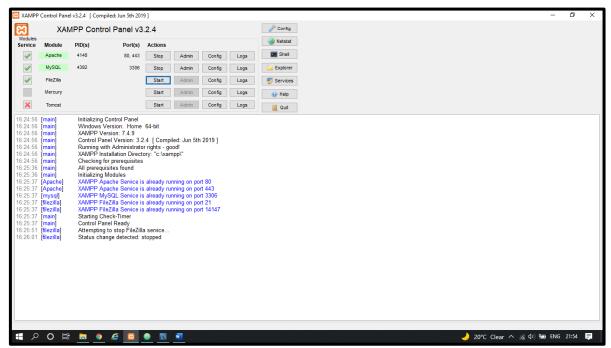
The basic objective of this assignment is to get familiar with PHP which is a server side scripting language and can be easily embedded into HTML. A web server is required to run any PHP code. Apache server is commonly used as web server.

XAMPP is a completely free and easy to install Apache distribution, open source package.

<u>Task 1:</u>

Firstly, download XAMPP https://www.apachefriends.org/index.html from this site. Follow the instructions mentioned on this site to install the package properly.

After installation, open the XAMPP control panel and start Apache and Mysql server. If there's any issue regarding 'port already in use', run XAMPP control panel as administrator and update the port via config settings.



xampp control panel

Mysql was already installed. It can be installed via https://dev.mysql.com/downloads/windows/installer/8.0.html

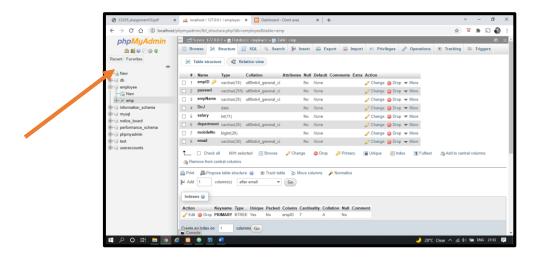
PHP was already installed. It can be installed via https://www.php.net/manual/en/install.windows.php

Task 2:

phpMyAdmin is a free software tool written in PHP, intended to handle the administration of MySQL over the Web. phpMyAdmin supports a wide range of operations on MySQL. Frequently used operations (managing databases, tables, columns, relations, indexes, users, permissions, etc) can be performed via the user interface, while you still have the ability to directly execute any SQL statement

To access phpMyAdmin, firstly start servers in XAMPP control panel. Later open any browser and open localhost/phpMyAdmin.

Then Create an employee database by clicking on new in left column:-



Create an emp table with following attributes: -

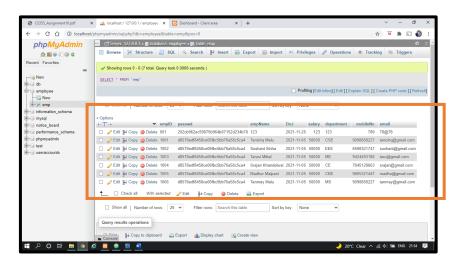
• empID: varchar2(10) primary key

passwd: varchar2(255)empName: varchar2(20)

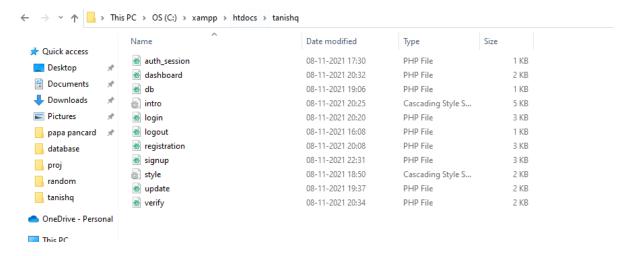
DoJ: datesalary: int

• department: varchar2(20)

mobileNo: intemail: varchar2(30)



In XAMPP, one has to store all the files in same folder inside 'htdocs' folder of xampp. Thus, I created 'tanishq' folder inside 'htdocs' folder and created all the files inside it.



The MySQLi Extension (MySQL Improved) is a relational database driver used in the PHP scripting language to provide an interface with MySQL databases. To establish a connection between server and database, I created db.php. This file will ensure that a proper connection is established and throws an error if any problem occurs.

REGISTER PAGE: -

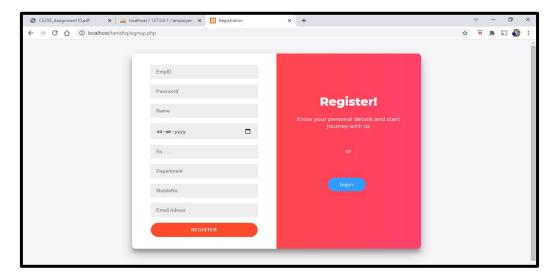
The following facts needs to be kept in mind while making it:-

- The inputs of all the variables that we have in our emp table should not be null.
- Further validation of fields such as mobile number and email id needs to be done to make sure correct information is provided.
- The password must be encrypted before storing in our database. Md5 inbuilt encryption function has been used for this purpose.
- Once the user click register button: We have to make sure that above conditions are fulfilled and the new user is a unique user. Thus, error messages need to be displayed accordingly.

Once the information is filled and user enters register button, the following php code validates the entries and update the database accordingly.

```
<!DOCTYPE html>
   <meta charset="utf-8"/>
     require('db.php');
     if (isset($_REQUEST['empID'])) {
         $cmpID -$_REQUEST['empID'];
$password -$_REQUEST['password'];
$cmpName -$_REQUEST['empName'];
          $salary -$_REQUEST['salary'];
         $department -$_REQUEST['department'];
$mobileNo -$_REQUEST['mobileNo'];
          $query = "INSERT into 'emp' (empID, passwd, empName, DoJ, salary, department, mobileNo, email)
                       VALUES ('$empID',md5('$password'), '$empName', '$DO3', '$salary', '$department', '$mobileNo', '$email')";
          $result = mysqli_query($con, $query);
                    Click here to <a href='login.php'>Login</a>
                    </div>":
                    Click here to <a href='signup.php'>Signup</a> again.
                    </div>":
    <form class="form" action="" method="post">
       cinput type="password" class="login-input" name="password" placeholder="Password" required>
        cinput type="text" class="login-input" name="empName" placeholder="Name" required>
       <input type="date" class="login-input" name="Do3">
        cinput type="text" class="login-input" name="department" placeholder="Department" required>
        cinput type="submit" name="submit" value="Register" class="login-button" required>
```

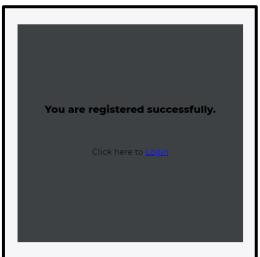
The following Register page has been created using some CSS styling up.

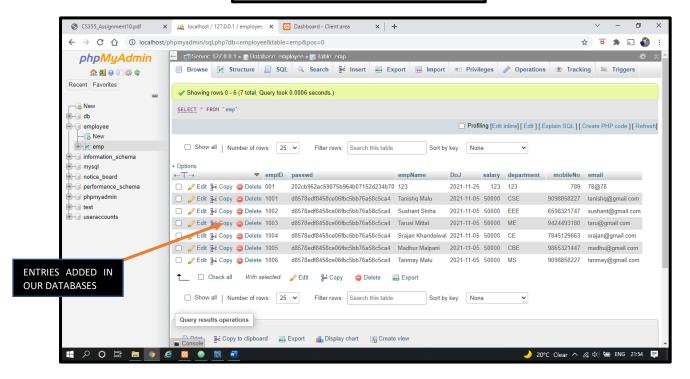


Some error messages: -





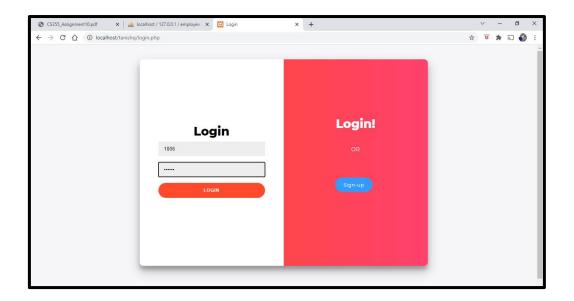




LOGIN PAGE: -

While making the login page, we have to validate the password and the empID from our database. If the user inputs correct credentials, the user is directed to dashboard otherwise error message will be displayed.

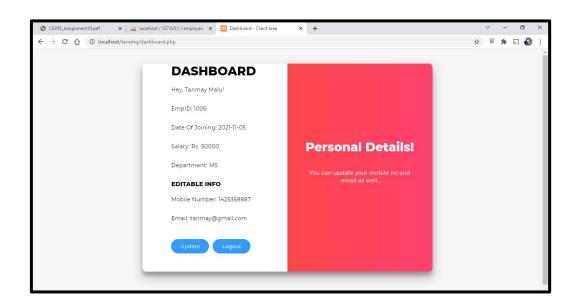
```
<!DOCTYPE html>
    k rel="stylesheet" href="intro.css"/>
    require('db.php');
    if (isset($_REQUEST['empID'])) {
       $empID = stripslashes($_REQUEST['empID']); //
$empID = mysqli_real_escape_string($con, $empID);
        $password = stripslashes($_REQUEST['password']);
        $password = mysqli_real_escape_string($con, $password);
        $query = "SELECT * FROM `emp` WHERE empID='$empID'";
        $result = mysqli_query($con, $query);
        if (md5($password) === $rows['passwd']) {
   $_SESSION['empID'] = $empID;
             $_SESSION['mobileNo']= $rows['mobileNo'];
             header("Location: dashboard.php");
             echo "<div class='form'>
                   <h3>Incorrect Username/password.</h3><br/>
                   Click here to <a href='login.php'>Login</a> again.
  <div class="form-container sign-in-container">
    <form class="form" method="post" name="login">
        <h1 class="login-title">Login</h1>
        <input type="text" class="login-input" name="empIO" placeholder="empIO" autofocus="true"/>
        <input type="password" class="login-input" name="password" placeholder="Password"/>
<input type="submit" value="Login" name="submit" class="login-button"/>
```



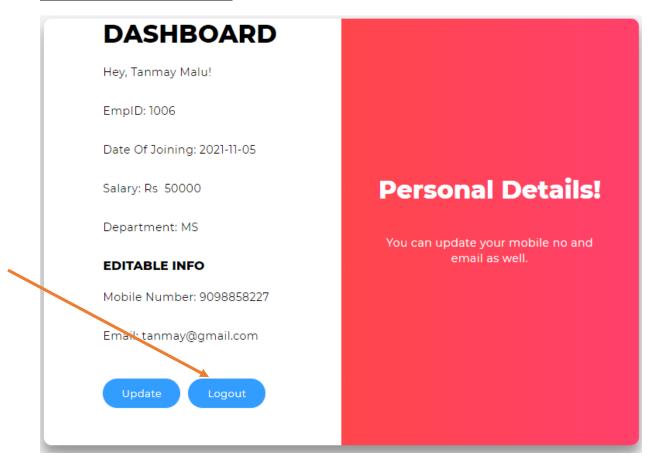
DASHBOARD PAGE: -

For creating DASHBOARD page first, I had to create the auth_session page. It basically starts a session and verify that the empld is set or not at this point which was taken from login page if the credentials were correct.

After this, using the given empID, other details of the user are fetched from our table.



LOGOUT BUTTON: -

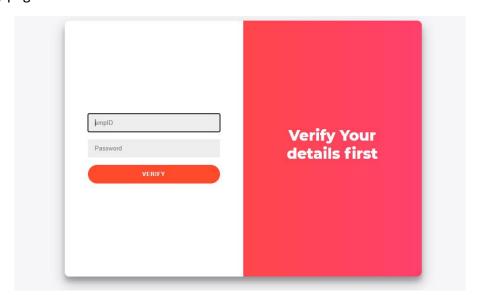


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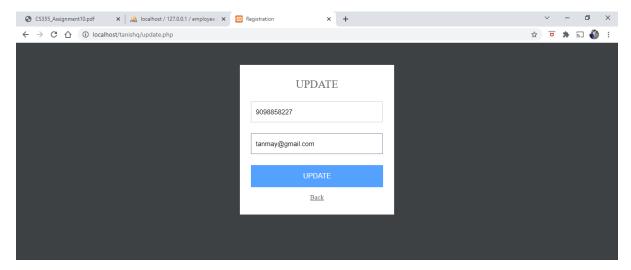
UPDATE PAGE: -

After clicking on update button, the user first need to enter the creds on the verify page, If the details will be correct it will move the user to the update page otherwise it will throw an error.

The verify page looks like:



In the update page the empID will be taken from the global variable \$_session so that the user is able to update its information.



The code for the update page is as below:

CSS: -

```
outline: none;
                                                          50%, 100% {
background-color: transparent;
border-color: #FFFFFF;
background-color: #FFFFFF;
                                                          top: 0;
display: flex;
align-items: center;
justify-content: center;
                                                          overflow: hidden;
padding: 0 50px;
height: 100%;
text-align: center;
                                                         .container.right-panel-active .overlay-container{
background-color: #3e4144;
align-items: center;
                                                         overlay {
flex-direction: column;
                                                          background: #FF416C;
                                                          background: -webkit-linear-gradient(to right, WFF4B2B, WFF416C);
height: 60%;
                                                          background: linear-gradient(to right, WFF4B2B, WFF416C);
text-align: center;
                                                          background-repeat: no-repeat;
                                                          background-size: cover;
                                                          background-position: 0 0;
background-color: #eee;
padding: 12px 15px;
margin: 8px 0;
background-color: #fff;
                                                         .container.right-panel-active .overlay {
    0 10px 10px rgba(0,0,0,0.22);
```

My assignment includes:-

- 1. Registration and Login Page
- 2. Dashboard and Profile Update Page
- CSS files
- 4. Other auxiliary file to maintain server database connection.