PHP

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Contents

1 Signup/Login

- Linux Mint MySQL installation: `https://www.digitalocean.com/community/tutorials/how-to-install-`

1.1 test configuration/connection through Signup/Login test button

- following tutorial from `http://mrbool.com/how-to-create-a-sign-up-form-registration-with-php-an` `28675`.

1.1.1 html/php coding part

- sign-up.html

```html
<!DOCTYPE HTML>
<html>
    <head>
        <title>Sign-Up</title>
        <link rel="stylesheet" type="text/css" href="style.css">
    </head>
    <body id="body-color">
        <div id="Sign-Up">
            <fieldset style="width:30%"><legend>Registration Form</legend>
                <table border="0">
                    <tr>
                        <form method="POST" action="connectivity-sign-up.php">
                            <td>Name</td><td><input type="text" name="name"></td>
                    </tr>
                    <tr>
                        <td>Email</td><td><input type="text" name="email"></td>
                    </tr>
                    <tr>
                        <td>UserName</td><td>
                            <input type="text" name="user"></td>
                    </tr>
                    <tr>
                        <td>Password</td><td>
```

```html
                        <input type="password" name="pass"></td>
                    </tr>
                    <tr>
                        <td>Confirm Password
                        </td><td><input type="password" name="cpass"></td>
                    </tr>
                    <tr>
                        <td><input id="button" type="submit" name="submit" value="Sign-Up
                    </tr>
                        </form>
                </table>
            </fieldset>
        </div>
    </body>
</html>
```

- style.css

```css
/*CSS File For Sign-Up webpage*/
#body-color{ background-color:#6699CC;
        }
#Sign-Up{ /*background-image:url('sign-up.png'); */
      background-size:500px 500px;
      background-repeat:no-repeat;
      background-attachment:fixed;
      background-position:center;
      margin-top:150px;
      margin-bottom:150px;
      margin-right:150px;
      margin-left:450px;
      padding:9px 35px;
     }
#button{ border-radius:10px;
     width:100px;
     height:40px;
     background:#FF00FF;
     font-weight:bold;
     font-size:20px;
        }
```

- connectivity-sign-up.php

```php
<?php
define('DB_HOST', 'localhost');
define('DB_NAME', 'practice');
define('DB_USER','root');
define('DB_PASSWORD','hhj');

$con=mysql_connect(DB_HOST,DB_USER,DB_PASSWORD) or die("Failed to connect to MySQL: " .
$db=mysql_select_db(DB_NAME,$con) or die("Failed to connect to MySQL: " . mysql_error())

function NewUser() {
    $fullname = $_POST['name'];
    $userName = $_POST['user'];
    $email = $_POST['email'];
    $password = $_POST['pass'];
    $query = "INSERT INTO WebsiteUsers (fullname,userName,email,pass) VALUES ('$fullname
    $data = mysql_query ($query)or die(mysql_error());
    if($data) {
        echo "YOUR REGISTRATION IS COMPLETED...";
    }
}

function SignUp() {
    if(!empty($_POST['user'])) {//checking the 'user' name which is from Sign-Up.html, i
```

```php
        $query = mysql_query("SELECT * FROM WebsiteUsers WHERE userName = '$_POST[user]'
        if(!$row = mysql_fetch_array($query) or die(mysql_error())) {
            newuser();
        } else {
            echo "SORRY...YOU ARE ALREADY REGISTERED USER...";
        }
    }
}

if(isset($_POST['submit'])) {
    SignUp();
}

?>
```

1.1.2 MySQL database

- Launch MySQL from terminal:

```
mysql -u root -p
```

followed by entering password created for the 'root' user.

- Create a mysql database

```
CREATE DATABASE practice;
```

- Create a mysql user

For creating a new user with all privileges (use only for troubleshooting), at mysql prompt type:

```
GRANT ALL PRIVILEGES ON *.* TO 'yourusername'@'localhost' IDENTIFIED BY 'yourpassword' WITH G
```

- select database

```
use practice;
```

- create table for username/password

2 PHP routing

- tried to follow the tutorial from https://www.youtube.com/watch?v=6reEBParHzQ, but failed to make it work out within today's a few hours.

- Good to have the debugging information showing up so that I have some clue what's going on. The reason it was failed last time turned out to be I didn't configure apache and enable mod$_{rewrite}$ module. Now problems are solved. References are pasted last part.

3 Summary

- I had been mislead by course instructor's project deadline on "Course Work" which has listed to be 1/10/2016 11:55pm.

- I noticed the course instructor changed the deadline for project due time through the 12/30/2015 announcement last night (this morning) around 1:00am.

- When I download the final exam questionnaire form the website as study guide on 12/31/2015, I checked the "Coursework" project deadline is still 1/10/2016, so I have NOT check the website ever since that day.

- I checked the website middle night in the early morning trying to see if there is any new material for the final exam, then noticed the announcement on 12/30/2015.

- I am currently seeking place to move in, and got especially tired recent days (yesterday has staff on hands from 7:30am - today 1:30am)

- When I learn this news, I am confident and believe I could finish my project successfully on time as the original due time, and that's reason when I have time and energy, I try to focus on something I am interested, rather than stick to some not so interested project.

- But the confidence does NOT mean that I could successfully finish a project within a few hours, especially when I have got tired the day before already.

- So I tried reach to the course instructor and get some extension. I wrote to him at 1:07am.

- I worked sometime to get signup/login to some extent into shape, and then changed the topic to build PHP routing.

- The linux LAMP for MySQL is pretty easy, but trying to understand and code the routing part took me quite some hours (due to headache), and has NOT solve this problem yet, but as usual, this does NOT affect my confidence at all. I believe in myself that with reasonable amount of time, I could solve the problem I am into.

- Instead of any FAILURE, this experience rather warns me to pay attention to course instructor's deadline more carefully then beat/destroy any of my confidence.

- I don't have any window's system, and the classmates know about this. I will try to reach the course instructor when I have chance to talk to him.

- I may have misunderstood the 4 pages, cause once I linked the "SignUp/Login" button correctly, it includes FOUR page design already. Will double check with the advisor tonight.

4   Requirements

- Use the sample html and css file provided in the course resources folder to build a home page for your website.

- You can customize the page by modifying html and css files. Use your own colors and images.

- You will be creating a minimum of 4 pages or more website.

- The subsequent pages should have the same header, left navigation and footer, but the body may contain different.

- Provide a sign in /signup option in the landing page.

- On page to add html forms and process the form data using php on the server.

- Use javascript, angJavscript and PHP code where ever needed

5   References

- Linux LAMP: https://www.digitalocean.com/community/tutorials/how-to-install-linux-apache-my

- connecting MySQL: https://help.ubuntu.com/community/ApacheMySQLPHP

- PHP signup: http://mrbool.com/how-to-create-a-sign-up-form-registration-with-php-and-mysql/ 28675

- URL routing: https://www.youtube.com/watch?v=6reEBParHzQ

- Apache configure: http://blog.csdn.net/txl199106/article/details/40054939

- debugging options set: http://stackoverflow.com/questions/17693391/500-internal-server-error-f

- Apache Load $mod_{rewrite}$: http://roshanbh.com.np/2008/04/check-enable-mod_rewrite-apache.html

- enable apache $\mathrm{mod}_{rewrite}$: http://tecadmin.net/enable-apache-mod-rewrite-module-in-ubuntu-linux

- rewrite: https://wordpress.org/support/topic/the-requested-url-wordpresscuriositywp-admin-wa

- https://wordpress.org/support/topic/the-requested-url-login-was-not-found-on-this-server-1

- $\mathrm{mod}_{rewrite}$: http://alexmansfield.com/linux/apache-mod_rewrite-in-ubuntumint

- $\mathrm{mod}_{rewrite}$: http://tecadmin.net/enable-apache-mod-rewrite-module-in-ubuntu-linuxmint/

- $\mathrm{mod}_{rewrite}$: http://xmodulo.com/how-to-enable-mod_rewrite-in-apache2-on-debian-ubuntu.html