

LAMP STACK PRESENTATION BY: LEQUICA HARRIS

The following technologies were used:

LAMP STACK

HTML

CSS

JavaScript

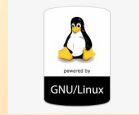
Let's explore it together!

What is LAMP STACK?



LAMP stack is a popular software bundle used for web development and hosting. It is an acronym that stands for:

L - Linux: Refers to to Linux operating system



A - Apache: is a widely used open-source web server software.



M - MySQL/MariaDB: are open-source relational database management systems (RDBMS)



P - PHP: (Hypertext Preprocessor) is a server-side scripting language specifically designed for web development.



HTML

JavaScript

CSS





LeQuica Harris:Hiking With D X



localhost/index.php

80% ☆



Welcome, Hiker Enthusiast!!!

Discover pet friendly hiking destinations! Our four legged family memebers love to walk through these curated nature trails!!

Click the first photo to go the login page.

Click the second photo to go the registration page.





LeQuica Harris: Hiking With Dogs

http://localhost/index.php



view-source:http://localhost/index.php

90%



```

1 <!DOCTYPE html>
2
3 <html>
4
5 <head>
6
7     <title>LeQuica Harris:Hiking With Dogs</title>
8
9
10    <link rel="stylesheet" type="text/css" href="web.css"
11 </head>
12
13 <body>
14
15
16
17 <h1>Welcome, Hiker Enthusiast!!!</h1>
18
19 <p>Discover pet friendly hiking destinations! Our four legged family memebers love to walk through these curated nature trails!!</p>
20
21 <p>Click the first photo to go the login page.</p>
22
23 <p>Click the second photo to go the registration page.</p>
24
25
26 <a href="http://localhost/login.php"></a>
28
29
30 <a href="http://localhost/register.php"></a>
32
33 </body>
34 </html>
35
36
37

```



Lequica Harris:Login



localhost/login.php

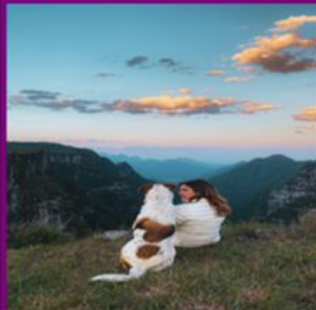
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[Login](#)





Lequica Harris:Login

http://localhost/login.php



view-source:http://localhost/login.php

70%



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<html>
<head>
  <title>Lequica Harris:Login</title>
  <link rel="stylesheet" type="text/css" href="web.css">
  <style>
    .home-button {
      display: inline-block;
      background-color: #4CAF50;
      color: white;
      padding: 10px 20px;
      text-decoration: none;
      border-radius: 5px;
      margin-top: 20px;
    }
  </style>
  <script>
    function validateForm() {
      var username = document.forms["myForm"]["username"].value;
      var password = document.forms["myForm"]["pass"].value;

      if (username == "" || password == "") {
        alert("Username and password are required fields.");
        return false;
      }
      // Add more validation logic as needed

      return true;
    }
  </script>
</head>
<body>
  <p><h1>
</h1></p>
  <form action="login.php" method="post">
    Username: <input type="text" name="username" /><br /><br />
    Password: <input type="password" name="pass" /><br /><br />
    <input type="submit" name="sca" value="Login" /> <br />
  </form>
  <br>
  <br>
  <br>
  <a href="index.php" class="home-button">Home</a>
</body>
</html>

```




Lequica Harris:Register



localhost/register.php

60%



Username:

First Name: Last Name:

Password:

[Create Account](#)

```

1 <html>
2 <head>
3   <title>Lequica Harris:Register</title>
4   <link rel="stylesheet" type="text/css" href="web.css">
5   <style>
6     .home-button {
7       display: inline-block;
8       background-color: #4CAF50;
9       color: white;
10      padding: 10px 20px;
11      text-decoration: none;
12      border-radius: 5px;
13      margin-top: 20px;
14    }
15  </style>
16 </head>
17 <body>
18
19  <form action="register.php" method="post">
20    Username: <input type="text" name="username" /><br /><br />
21    First Name: <input type="text" name="fname" /><br /><br />
22    Last Name: <input type="text" name="lname" /><br /><br />
23    Password: <input type="password" name="pass" minlength="8" /><br /><br />
24    <input type="submit" name="sca" value="Create Account" /> <br />
25
26  </form>
27
28  <br>
29
30  <a href="index.php" class="home-button">Home</a>
31
32 </body>
33
34 </html>

```




Lequica Harris:You are logged in



localhost/profile.php

60%





Lequica Harris:You are logged in

http://localhost/profile.php



view-source:http://localhost/profile.php

170%



```
1
2 <html>
3 <head>
4   <title>Lequica Harris:You are logged in!</title>
5   <link rel="stylesheet" type="text/css" href="web.css">
6 </head>
7 <body>
8 Welcome to the protected profile page...Bart
9 <script type="text/javascript" src="web.js"></script>
10
11 <p><a href="logout.php">Logout Here</a></p>
12
13 <br>
14
15 <br>
16
17
18 </body>
19
20 </html>
21
```

WHAT ARE LAMP STACK FLAWS AND FIXES

Weak Passwords

Outdated Software

Misconfigured Apache Server

Lack of Web Application Firewall (WAF)

Poor Logging and Monitoring

batwoman@Gotham: ~

```

apache2.conf  conf-enabled  magic          mods-enabled  sites-available
conf-available  envvars      mods-available ports.conf    sites-enabled

```

batwoman@Gotham:/etc/apache2\$ vim apache2.conf

batwoman@Gotham:/etc/apache2\$ cd

batwoman@Gotham:~\$ mysql -u admin -p

Enter password:

Welcome to the MariaDB monitor. Commands end with ; or \g.

Your MariaDB connection id is 40

Server version: 10.3.38-MariaDB-0ubuntu0.20.04.1 Ubuntu 20.04

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> use users;

Reading table information for completion of table and column names

You can turn off this feature to get a quicker startup with -A

Database changed

MariaDB [users]> SELECT * FROM people;

userid	username	fname	lname	pass	role
1	Stone	Fred	Flinstone	03ac674216f3e15c761ee1a5e255f067953623c8b388b4459e13f978d7c846f4	NULL
2	Bob	Bobby	jones	ef797c8118f02dfb649607dd5d3f8c7623048c9c063d532cc95c5ed7a898a64f	NULL
3	Jordan	Mike	Jordan	ef797c8118f02dfb649607dd5d3f8c7623048c9c063d532cc95c5ed7a898a64f	NULL
4	Bsimp	Bart	simson	3e0eedcce6759adad8d0344d7fe19e0126ade9e357ee8d789309584af49c8bb0	administrator

4 rows in set (0.034 sec)

MariaDB [users]>





Lequica Harris:404 - Page Not Found

http://localhost/404.php



view-source:http://localhost/404.php

90%



```

1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>Lequica Harris:404 - Page Not Found</title>
5 <link rel="stylesheet" type="text/css" href="404.css">
6 <style>
7   body {
8     font-family: Arial, sans-serif;
9     text-align: center;
10  }
11  h1 {
12    font-size: 48px;
13    color: #333333;
14    margin-top: 200px;
15  }
16  p {
17    font-size: 24px;
18    color: #777777;
19  }
20  .home-button {
21    display: inline-block;
22    background-color: #4CAF50;
23    color: white;
24    padding: 10px 20px;
25    text-decoration: none;
26    border-radius: 5px;
27    margin-top: 20px;
28  }
29 </style>
30 </head>
31 <body>
32 <h1>404 - Page Not Found</h1>
33 <p>Sorry, the page you are looking for does not exist.</p>
34
35 <br>
36
37 <a href="index.php" class="home-button">Home</a>
38
39 </body>
40 </html>

```