

DATABASE SYSTEM AND APPLICATIONS

MINI PROJECT

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DEPT: ELECTRONICS AND INSTRUMENTATION

SUB CODE: CS7594

TOPIC: DIETARY ASSESSMENT AND ANALYSIS

DIETARY ASSESSMENT AND ANALYSIS

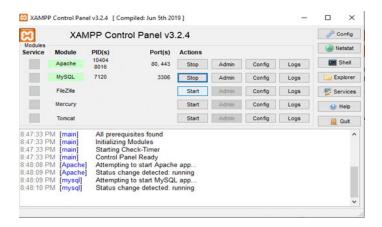
OBJECTIVE:

To create frontend (Form creation) and backend (database).

To connect your application form with the database and implement it with validation using php with mySQL.

Creating MySQL Database:

- 1. This is done by using phpMyAdmin.
- 2. Navigate to XAMPP in your system. The Control Panel is now visible.



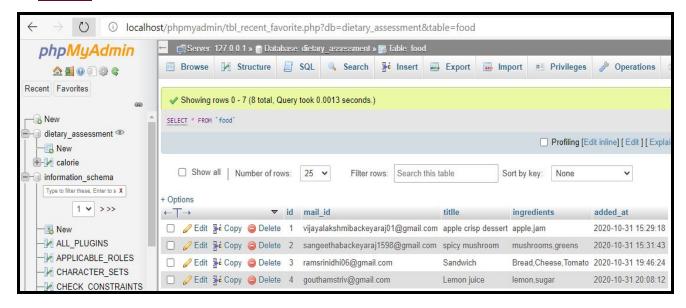
- 3.Now click on the "Admin" button corresponding to the MySQL module. This automatically redirects the user to a web browser to the following address- http://localhost/phpmyadmin
- 4.Click on the "Database" tab. Here you can see the Create option. Choose an appropriate name for the input field titled Database name.
- 5.In the created Database (Login page in this case), click on the 'Create Table' option. Fill the input fields titled "Name" and "Number of Columns" and hit the 'Go' button.
- 6.Enter the names for each of your columns, select the type, and the maximum length allowed for the input field. Click on "Save" in the bottom right corner.

Creating form using php:

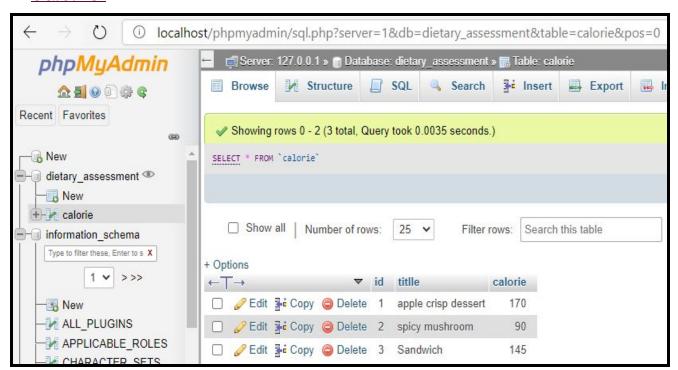
- 1.Use the XAMPP Control Panel to start the Apache server and click on Admin.
- 2. This automatically redirects the user to a web browser to the following addresshttp://localhost/dashboard/
 - 3.Create your Webpage files into the destination folder. Default folder is c:/xampp/htdocs.

Database Created using mySQL:

• Food:



• Calorie:



Files created for website:



Programs:

index.php:

```
<?php
include('db_connect.php');
if(isset($_POST['submit'])){
// Attempt select query execution
$sql = "SELECT * FROM food";
if($result = mysqli_query($link, $sql)){
    if(mysqli_num_rows($result) > 0){
       echo "";
echo "";
               echo "id";
               echo "title";
               echo ">ingredients";
           echo "";
       while($row = mysqli_fetch_array($result)){
           echo "";
               echo "" . $row['id'] . "";
               echo "" $row['titlle'] . "";
echo "" $row['ingredients'] . "";
           echo "";
       echo "";
       mysqli_free_result($result);
       echo "No records matching your query were found.";
    echo "ERROR: Could not able to execute $sql. " . mysqli_error($link);
                                                                                                       Activate W
```

header.php:

db_connect.php:

```
1  <?php
2
3  $link = mysqli_connect("localhost", "Viji", "Viji2001@bms", "dietary_assessment");
4
5  if($link === false){
6     die("ERROR: Could not connect. " . mysqli_connect_error());
7  }
8
9  ?>
```

calorie.php:

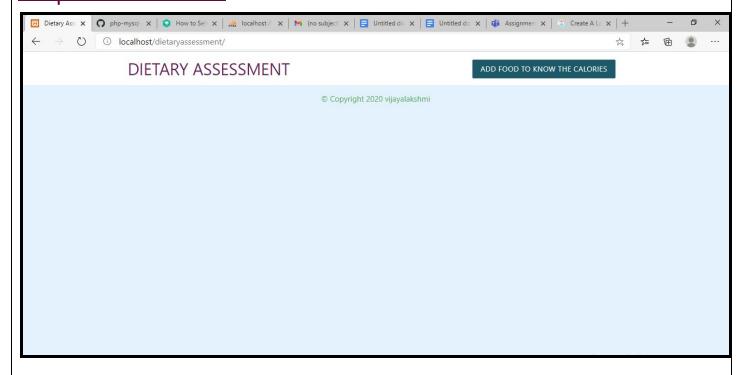
```
1 <?php
2
3     echo "Your requset is being processed. This may take few minutes. We will get back to you with the calorie value!"
4
5     ?>
```

add.php:

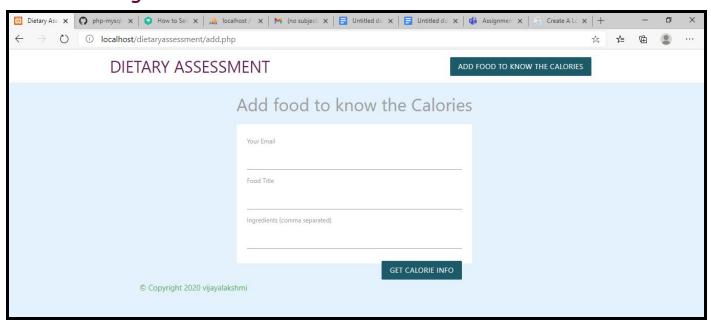
```
<?php include('header.php'); ?>
<section class="container grey-text">
    <h4 class="center">Add food to know the Calories</h4>
    <form class="white" action="add.php" method="POST">
        <label>Your Email</label>
<input type="text" name="email" value="<?php echo htmlspecialchars($email) ?>">
        <div class="red-text"><?php echo $errors['email']; ?></div>
<label>Food Title</label>
        <input type="text" name="title" value="<?php echo htmlspecialchars($title) ?>">
        <div class="red-text"><?php echo $errors['title']; ?></div>
        <label>Ingredients (comma separated)</lab</pre>
        <input type="text" name="ingredients" value="<?php echo htmlspecialchars($ingredients) ?>">
<div class="red-text"><?php echo $errors['ingredients']; ?></div>
        <div class="center">
            <a href="calorie.php" class="btn brand z-depth-0">Get Calorie Info</a>
            </form>
<?php include('footer.php'); ?>
```

footer.php:

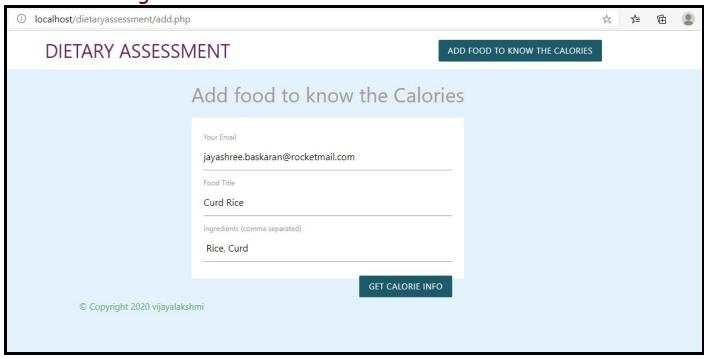
Output Screenshots:

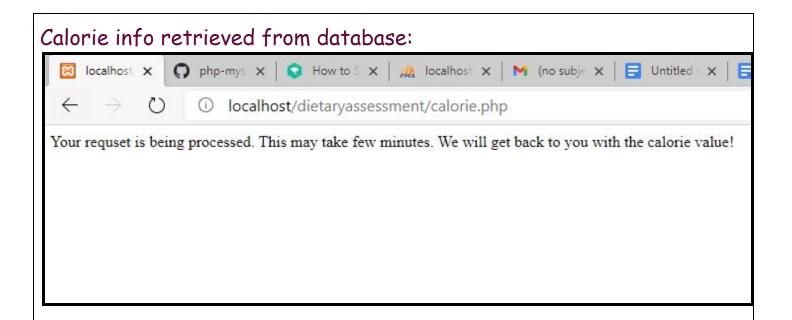


After clicking on 'add food to know calorie':

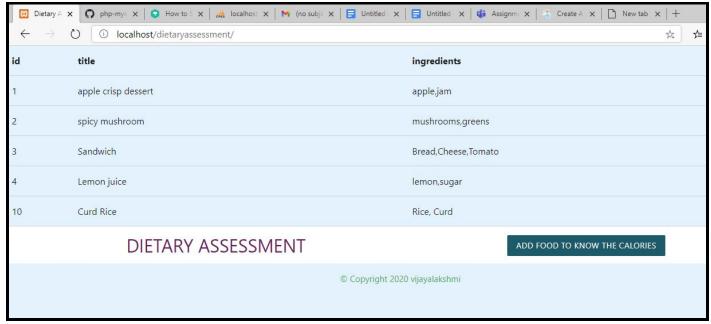


After entering the values:





Data getting added into the database:



RESULT:

Thus the simple project using php as front end and mySQL as back end was implemented and executed successfully.