Internet and Web Programming

(CSE – 3002)

LAB ASSESSMENT – 6

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Q1) Create a web application to display and update the menu of a restaurant. Menu data are stored in a text file called food.txt. Each line shows the menu of each day; for example:

MONDAY:!:VEGETABLE SOUP:!:GRILLED CHICKEN:!:CHOCOLATE PUDDING The first field is day info., the second is starter, and the third one is main course, the last one is dessert.

> **a) Write a php file, food_menu.php to display menu in a table format. Notice that each day is displayed in an ordered manner. Figure 1. Each day is a link to update_form.php.**
>
> **b) Write a php file, update_form.php. It displays a form and fills the content of day, starter, main course, and dessert using food.txt file, Figure 2. When you click on submit button "Update", it posts all data to update.php.**
>
> **c) Write a php file, update.php. It gets modified data from update_form.php and updates the record in food.txt. Then, it redirects to food_menu.php file.**
>
> **Hint: You can read all data into an array, change the content within the array, then rewrite all data in the array into file, food.txt.**

Ans1)

food.txt

```
1:!:MONDAY:!:CHINESE CHICKEN SERVED WITH MASHED POTATOES:!:RED LENTIL SOUP:!:GARDEN SALAD
2:!:TUESDAY:!:CHICK PEAS WITH MEAT:!:RICE WITH VERMICELLI:!:PICKLE SOUR
3:!:WEDNESDAY:!:VEAL PIECES SAUTEED WITH TOMATOES:!:CREAM OF MUSHROOM SOUP:!:SEASON SALAD
4:!:THURSDAY:!:MEATBALLS AND POTATOES SAUTEED WITH TOMATO PASTE:!:VERMICELLI WITH WALNUTS
AND CHEESE:!:CHOCOLATE PUDDING
5:!:FRIDAY:!:GRILLED CHICKEN SERVED WITH VEGATABLES RICE:!:FRIED PASTRY SOAKED IN
SYRUP:!:MEDITERRANEAN SALAD
```

food_menu.php

```php
<body>
        <table border = "1">
        <thead>
            <th>Id</th>
            <th>Day</th>
            <th>Mixture</th>
            <th>Action</th>
        </thead>
        <tbody>
        <?php
        $data = fopen('f.txt','r');
        $arr = [];
        while (!feof($data))
        {
```

```
        $line = fgets($data);
        array_push($arr,explode(":!:",$line));
    }
    $index = 0;
    foreach($arr as $row){
        echo"
        <tr>
        <td>". $row[0]."</td>
        <td>". $row[1]."</td>
        <td>". $row[2]."<br>
        <br>". $row[3]."<br>
        <br>". $row[4]."</td>
        <td> <a href='update_form.php?index=".$index."'>Edit</a></td>
        </tr>";
        $index++;
    }
    ?>

    </tbody>

    </table>
</body>
```

update.php

```
<?php
$index = $_GET['index'];

$data = fopen('f.txt','r');
    $arr = [];
    while (!feof($data))
    {
        $line = fgets($data);
        array_push($arr,explode(":!:",$line));
    }
fclose($data);
$row = $arr[$index];
?>
<body>
    <form method="post">
        <a href="food_menu.php">Back</a>
        <p>
            <label for="id">ID</label>
            <input type="text" name = "ID" value ="<?php echo $row[0];?>">
        </p>
        <p>
            <label for="id">DAY</label>
            <input type="text" name = "DAY" value ="<?php echo $row[1];?>">
        </p>
        <p>
            <label for="id">STARTER</label>
            <input type="text" name = "STARTER" value ="<?php echo $row[2];?>">
        </p>
        <p>
            <label for="id">MAIN_COURSE</label>
            <input type="text" name = "MAIN_COURSE" value ="<?php echo $row[3];?>">
        </p>
        <p>
```

```
            <label for="id">DESSERT</label>
            <input type="text" name = "DESSERT" value ="<?php echo $row[4];?>">
        </p>
        <input type="submit" value="save" name = "save">
    </form>
<?php
if (isset($_POST['save'])) {
    $input = array(
            $_POST['ID'],
        $_POST['DAY'],
        $_POST['STARTER'],
         $_POST['MAIN_COURSE'],
        $_POST['DESSERT'],
    );
    $arr[$index] = $input;
    $data = fopen('f.txt','w');

    foreach($arr as $row){

        $line = implode(":!:",$row);
        fwrite($data, $line."\n");

    }
    header('location: food_menu.php');
}
?>
</body>
```
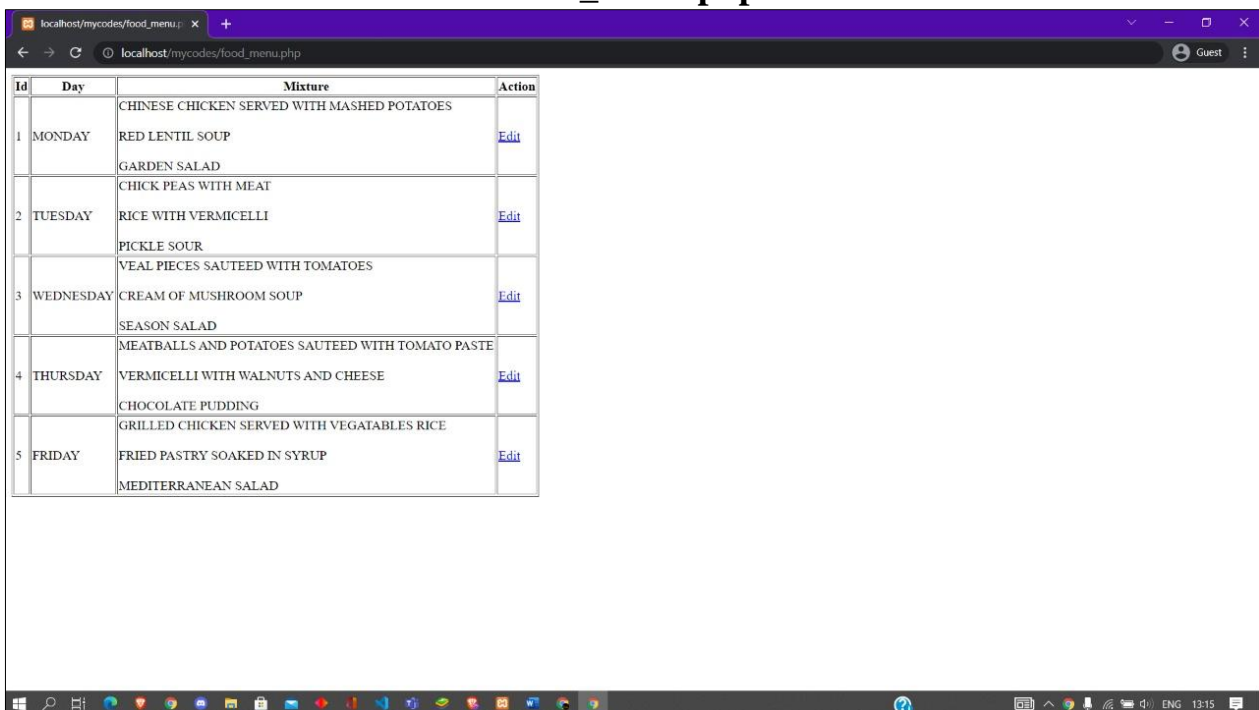
OUTPUT:

food_menu.php

update_form.php

update_form.php

food_menu.php

localhost/mycodes/food_menu.php

Guest

Id	Day	Mixture	Action
1	MONDAY	CHINESE CHICKEN SERVED WITH MASHED POTATOES RED LENTIL SOUP Ice Cream	Edit
2	TUESDAY	CHICK PEAS WITH MEAT RICE WITH VERMICELLI PICKLE SOUR	Edit
3	WEDNESDAY	VEAL PIECES SAUTEED WITH TOMATOES CREAM OF MUSHROOM SOUP SEASON SALAD	Edit
4	THURSDAY	MEATBALLS AND POTATOES SAUTEED WITH TOMATO PASTE VERMICELLI WITH WALNUTS AND CHEESE CHOCOLATE PUDDING	Edit
5	FRIDAY	GRILLED CHICKEN SERVED WITH VEGATABLES RICE FRIED PASTRY SOAKED IN SYRUP MEDITERRANEAN SALADALADALAD	Edit