

# Lab 5- Solution

## Session, jQuery

### Task 1: Solution

```
<?php
class Employee {
protected $first_name;
protected $last_name;
protected $salary;
public function __construct($first_name, $last_name, $salary) {
$this->first_name = $first_name;
$this->last_name = $last_name;
$this->salary = $salary;
}
public function __toString() {
return $this->first_name . " " . $this->last_name;
}
}

class SoftwareDeveloper extends Employee {
public function __construct($first_name, $last_name, $salary, $prog_lang) {
$this->first_name = $first_name;
$this->last_name = $last_name;
$this->salary = $salary;
$this->prog_lang = $prog_lang;
}
}

class AgileCoach extends Employee {
public function __construct($first_name, $last_name, $salary, $employees) {
$this->first_name = $first_name;
$this->last_name = $last_name;
$this->salary = $salary;
$this->employees = $employees;
}
public function add($employee) {
array_push($this->employees, $employee);
}
public function remove($employee) {
$key = array_search($employee, $this->employees);
if ($key !== false) {
unset($this->employees[$key]);
}
}
public function search($employee) {
$key = array_search($employee, $this->employees);
```

```

if ($key === false) {
echo $employee . " not found" . "<br>";
} else {
echo $employee . " found" . "<br>";
}
}
}
public function show_all() {
foreach($this->employees as $employee) {
echo $employee . "<br>";
}
}
}
$sft_dev_one = new SoftwareDeveloper("Alfredo", "Boyle", 50000, "C#");
$sft_dev_two = new SoftwareDeveloper("Malik", "Martin", 55000, "JavaScript");
$sft_dev_three = new SoftwareDeveloper("Livia", "Martin", 75000, 'Kotlin');
$agile_coach = new AgileCoach("Lillian", "Cunningham", 100000,
array($sft_dev_one, $sft_dev_two));
$agile_coach->add($sft_dev_three);
$agile_coach->remove($sft_dev_one);
$agile_coach->show_all();
$agile_coach->search($sft_dev_one);
$agile_coach->search($sft_dev_three);
?>

```

## Task 2: Solution

upload.php

```

<?php
if(!empty($_FILES['files'])){
    $targetDir = "uploads/";
    $targetFile = $targetDir.$_POST["fileName"];
    if (move_uploaded_file($_FILES["files"]["tmp_name"][0], $targetFile)) {
        echo "The file ". htmlspecialchars( basename(
$_FILES["files"]["name"][0])) . " has been uploaded.";
    } else {
        echo "Sorry, there was an error uploading your file.";
    }
}
?>

```

deletefile.php

```

<?php
$fileName = $_GET['fileName'];
unlink($fileName);
?>

```

readfiles.php

```
<?php
$files = '';
//Read all files in the uploads folder
foreach (glob("uploads/*.*) as $filename) {
    $files = $files . "&" . $filename ;
}
echo $files;
?>
```

signIn.php

```
<!DOCTYPE html>
<html>
    <head>
        <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-
awesome.min.css">
        <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
    </head>
    <body>
        <div class="container">
            <h1>Sign In</h1>
            <form onsubmit="signIn()" action="task2.html">
                <div class="form-group">
                    <label for="email">Email:</label>
                    <input type="email" class="form-control" id="email"
placeholder="Enter email" name="email">
                </div>
                <div class="form-group">
                    <label for="pwd">Password:</label>
                    <input type="password" class="form-control" id="pwd"
placeholder="Enter password" name="pwd">
                </div>
                <div class="checkbox">
                    <label><input type="checkbox" name="remember"> Remember
me</label>
                </div>
                <button type="submit" class="btn btn-success">Sign
in</button>
            </form>
        </div>

    </body>
    <script>
        function signIn(){
```

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        if (document.getElementById('email').value == 'james@gmail.com')
            localStorage.setItem('userType', 'admin');
        else
            localStorage.setItem('userType', 'customer');
    }
</script>
</html>

```

task2.php

```

<!DOCTYPE html>
<html lang="en">
<head>
    <title>Local Restaurant</title>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <!-- Bootstrap CSS -->
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"
" integrity="sha384-
ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T"
crossorigin="anonymous">
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">
    <!-- Custom CSS -->
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></scrip
t>
</head>
<body>
    <!-- Navigation -->
    <nav class="navbar navbar-expand-lg navbar-dark bg-dark">
        <a class="navbar-brand" href="#">Local Restaurant</a>
        <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarNav" aria-controls="navbarNav" aria-expanded="false" aria-
label="Toggle navigation">
            <span class="navbar-toggler-icon"></span>
        </button>
        <div class="collapse navbar-collapse" id="navbarNav">
            <ul class="navbar-nav">
                <li class="nav-item">
                    <a class="nav-link" href="index.html">Home</a>
                </li>
                <li class="nav-item">
                    <a class="nav-link" href="menu.html">Menu</a>
                </li>
                <li class="nav-item">

```

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        <a class="nav-link" href="contact.html">Contact Us</a>
    </li>
</ul>
</div>
</nav>
<!-- Homepage -->
<div class="container">
    <div class="jumbotron">
        <h1 class="display-4 text-center">Welcome to Local Restaurant</h1>
        <p class="lead text-center">We serve the best food in town.</p>
        <hr class="my-4">
        <p class="text-center">Come dine with us and experience the taste of our
delicious dishes.</p>
        <p class="text-center"><a class="btn btn-primary btn-lg"
href="menu.html" role="button">View Menu</a></p>
    </div>
</div>
<!-- Menu Page -->
<div class="container">
    <h1 class="text-center">Menu</h1>
    <table class="table table-bordered table-striped" id="items">
        <thead>
            <tr>
                <th>Item</th>
                <th>Description</th>
                <th>Price</th>
                <th>Pic</th>
                <th>Order</th>
            </tr>
        </thead>
        <tbody>

        </tbody>
    </table>
</div>
<!-- Cart section -->
<div class="row" id="cart">
    <div class="col-8">

    </div>
    <div class="col-2">
        
    </div>
    <div class="col-2">
        <h1 id="total" style="text-align: left;">$0</h1>
    </div>
</div>

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<!-- Add new items -->
<div id="add-items">
  <div class="row">

    <div class="col-2">
      <label for="item">Item:</label>
      <input type="text" id="item" name="item" size="10">
    </div>
    <div class="col-4">
      <label for="description">Description:</label>
      <input type="text" id="description" name="description" size="50">
    </div>
    <div class="col-2">
      <label for="price">Price:</label>
      <input type="number" id="price" name="price" style="width: 4em">
    </div>
    <div class="col-4">
      <label for="pic">Select an image:</label>
      <input type="file" id="pic" name="pic">
    </div>
  </div>
  <div class="row">
    <div class="col-6">
      <button class="btn float-right" style="color:white; background-
color:#1e8564" id="addItem">Add Item</button>
    </div>
  </div>
</div>

<!-- Contact Page -->
<div class="container" id="contact">
  <h1 class="text-center">Contact Us</h1>
  <form action="submit-form.php" method="post">
    <div class="form-group">
      <label for="name">Name:</label>
      <input type="text" class="form-control" id="name" name="name"
required>
    </div>
    <div class="form-group">
      <label for="email">Email:</label>
      <input type="email" class="form-control" id="email" name="email"
required>
    </div>
    <div class="form-group">
      <label for="message">Message:</label>
      <textarea class="form-control" id="message" name="message" rows="5"
required></textarea>
    </div>
  </form>
</div>

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        <button type="submit" class="btn btn-primary">Submit</button>
    </form>
</div>

<script>
    var total = 0 ;

    function calculateTotal(){
        let items = document.getElementById('items');
        let total = 0;
        var orders = document.getElementsByClassName("order");
        for (let i = 1 ; i < items.rows.length; i++){
            let price = items.rows[i].cells[2].innerText;
            total = total + price * orders[i-1].value;
        }
        document.getElementById("total").innerHTML='$'+total;
    }

    // A global variable to store item data from files
    var itemData = [];
    $(document).ready(function() {
        //Read files to get the table of items ready
        readFiles();
        let userType = localStorage.getItem('userType');
        if (userType=='customer'){ // Hide admin sections
            $('#add-items').hide();
        }
        if (userType=='admin'){ //Hide customer sections
            $('#cart').hide();
            $('#contact').hide();
            //Hide the order coulumn
            // Get the index of the column to hide
            var columnIndex = $('#items th:contains("Order")').index();
            // Hide the column in the table header and body
            $('#items th:eq(' + columnIndex + ')').hide();
            $('#items td:nth-child(' + (columnIndex + 1) + ')').hide();
            //Add delete button to all rows
            $('#items tbody tr').append('<td><button class="deleteBtn" > <i class="fa fa-trash"></i></td>');

        }
        //Delete an item from the table
        $('#items').on('click', '.deleteBtn', function() {
            let pic = $(this).closest('tr').find('td:nth-of-type(4) img').attr('src');

            // Remove the corresponding row from the table

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$(this).closest('tr').remove();
// Delete the file from the folder
$.ajax({
    url: 'deletefile.php?fileName='+pic,
    success: function() {
        console.log('File deleted.');
```



```

    xmlhttp.send();
}

function getFiles(files){
    //The list of files uses & to separate the name of files
    submittedFiles = files.split("&");
    var j = 0;
    var items = [];
    for(var i=1 ; i< submittedFiles.length; i++){
        // / is used to separate files and folders
        var tmp = submittedFiles[i].split("/");
        // We are interested in the filename only
        var file = tmp[1];
        // We agreed to use @ as delimiter for items data in the filename
        var components = file.split("@");
        var item = components[0];
        var description = components[1];
        // The rest of the filename includes price and file extension, e.g.,
10.99.png
        var tmp2 = components[2];
        // We use . to extract the extension
        var rest = tmp2.split(".");
        // rest[0] is the integer part of the price and rest[1] is the decimal
point
        var price = rest[0]+'.'+rest[1];
        items[j] = [item, description, price, 'uploads/'+file];
        j++;
    }
    itemData = items;
}

function addItemtoTable(itemData){
    let item = itemData[0];
    let description = itemData[1];
    let price = itemData[2];
    let pic = itemData[3];
    let table = $('#items');
    let newRow = $('<tr>');
    let cell1 = $('<td>').text(item);
    let cell2 = $('<td>').text(description);
    let cell3 = $('<td>').text(price);
    let cell4 = $('<td>');
    //Delete button
    let userType = localStorage.getItem('userType');
    let cell5 = $('<button>').attr('class','deleteBtn fa fa-trash");
    if (userType=='customer') // Delete button only for admin
        // Order for customers

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        cell5 = '<td> <input type="number" class="order"
style="width:50px" onchange="calculateTotal()"></input> </td>';
        let newImage = $('<img>').attr('src', pic).css({'width': '100',
'height': '100'});
        cell4.append(newImage);
        newRow.append(cell1);
        newRow.append(cell2);
        newRow.append(cell3);
        newRow.append(cell4);
        newRow.append(cell5);

        table.append(newRow);

    }
    function showTableofItems(items){
        for(var i = 0; i < items.length; i++)
            addItemtoTable(items[i]);
    }
</script>
</body>
</html>
```