**CSC 5750 – Principles of Web Technology**

**Homework 5 – Part 2 of 2 – Caleb Latimer**

**18 of 25 points – Due November 21, 6pm**

**Late deadline is November 23, 11:59pm, but 3 points off**

**a)** Save this document with your name and the homework number somewhere in the file name.

**b)** Type/paste your answers into the document.

**c)** Gather the following files into a ZIP file:

● This document

● Cashier page (.HTML)

● Summary page (.PHP)

● Any other optional files specific to your implementation

**d)** Submit the ZIP file to the Blackboard item where you downloaded this document.

You've been hired again by the local restaurant that you created a web site for in Homeworks 1, 3, and 4. Enhance that web site per the following:

**Cashier page**

Modify the **Cashier** page per the following:

● Place files **JSONentrees.txt** and **JSONdrinks.txt** in your web application stack web folder (for example, folder **C:\Program Files (x86)\Ampps\www** on Windows AMPPS).

● Instead of reading data from declared array **entrees** to build the entrees combo box, use an AJAX call to read file **JSONentrees.txt** from your local server and parse it into array **entrees**. Name the XMLHttpRequest object **xhttp1**.

● Instead of reading data from declared array **drinks** to build the drinks combo box, use an AJAX call to read file **JSONdrinks.txt** from your local server and parse it into array **drinks**. Name the XMLHttpRequest object **xhttp2**.

● Both AJAX calls may be placed in function **loadComboBoxes**. To give time for the AJAX calls to complete, there should be a pause of about two seconds before attempting to set the combo boxes with selections from a sale (done in function **loadData** here). This is shown here and the Homework 4 key:

<body class="cashier" onload="loadComboBoxes();setTimeout(loadData, 2000);" onunload="saveData()">

● Add button **Summary** and function **showSummary** that:

1) Loop through the sales array to calculate the following overall sale totals (shown with green arrows below):

→ Total (before tip)

→ Tip total

→ Total with tip

You need to rebuild the totals for each sale. For example:

for (var i = 0; i < sales.length; i++)

{

// Get inputs

row = sales[i][1];

entreeCost = entrees[row][1];

row = sales[i][2];

drinkCost = drinks[row][1];

tipPercent = parseInt(sales[i][3]);

…

}

2) Build a query string with four values:

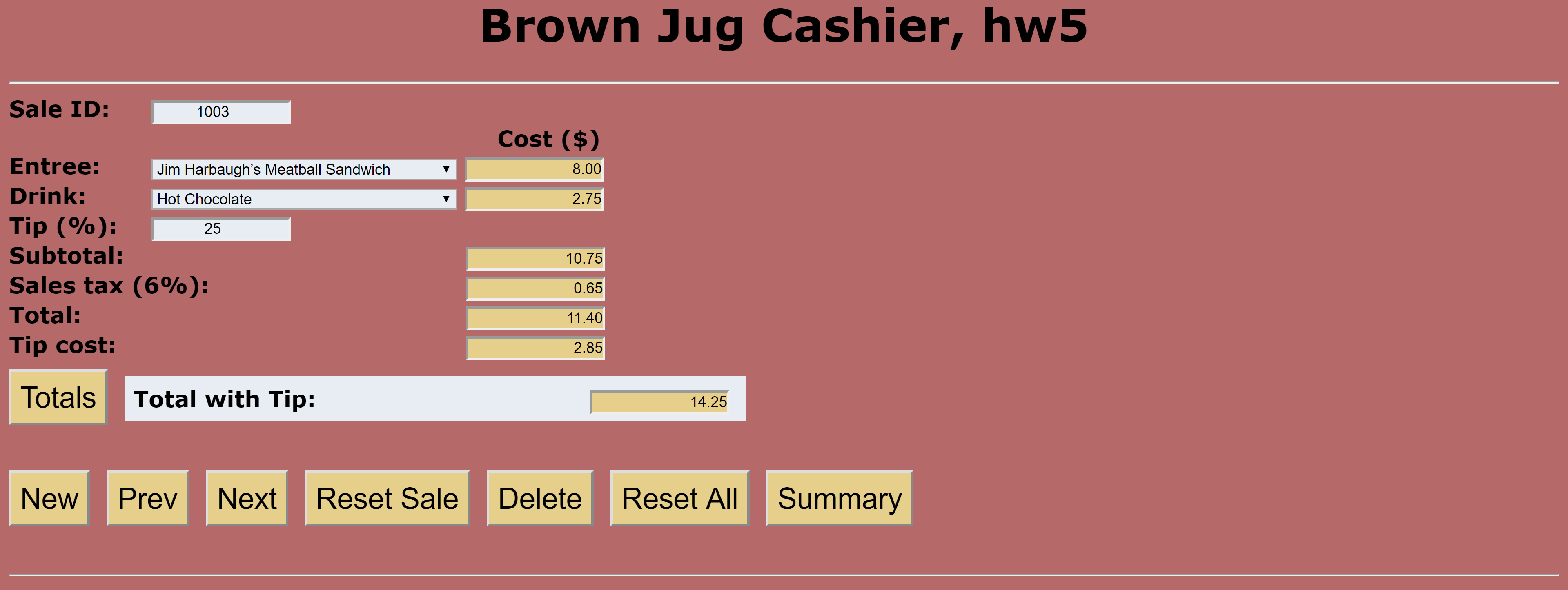
→ Sale count

→ Total (before tip)

→ Tip total

→ Total with tip

3) Open PHP page **Summary** (described below) using a URL including the query string.



**Summary page**

Add PHP page **Summary** with the following label-text box pairs:

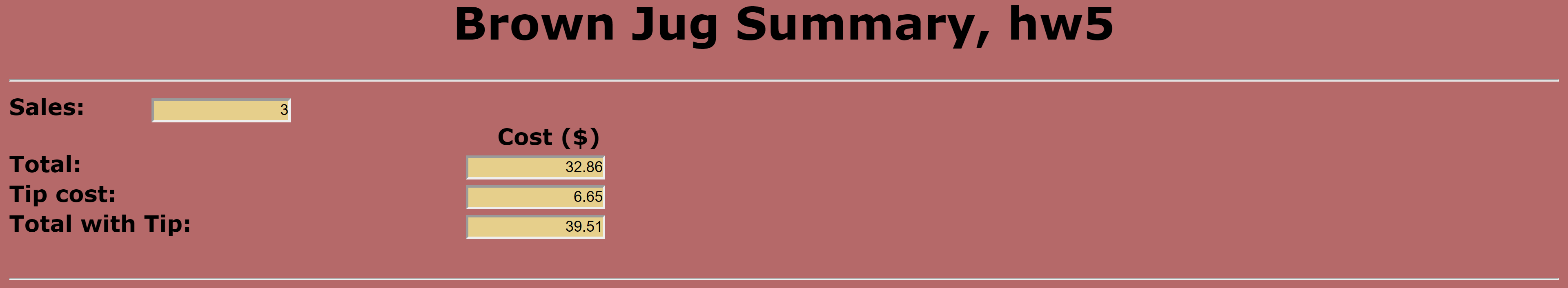
● Sales

● Total (before tip)

● Tip total

● Total with tip

Use PHP global variable **$\_GET** to retrieve the values from the query string and embed them within the HTML.



**Screenshots**

Include the following screenshots in this document:

● Cashier page – at least three sales.

● Summary page

**Cashier page**

*[your Cashier page HTML code here]\**

<!--==================================================================

//

// Web site: TacoTown

// Web page: main.html

// Course: CSC 5750

// Homework: 5-2

// Author: Caleb Latimer

// Date: 11/14

// Description:

// Resturant page for cashier functionality with AJAX and Serverside implementation

//=================================================================-->

<!DOCTYPE html>

<html>

<head>

<title>TacoTown: Cashier</title>

<link rel='stylesheet' href='bootstrap/css/bootstrap.min.css' />

<link rel='stylesheet' href='styles.css' />

<meta name="viewport" content="width=device-width, initial-scale=1">

<meta name='author' content='Caleb Latimer'>

<meta name='description' content='HW-5-2'>

<!--Implement materialize components and get cracking-->

</head>

<body onload='makeMenu()'

onunload="saveData()">

<header class='blue lighten-5'>

<h1>Cashier</h1>

</header>

<hr />

<main>

<div class='container'>

<div class='row'>

<div class='col-md-6'>

<form> <!--Main form for user interaction-->

<div class='form-group bigger-group'>

<label>Sale ID: </label>

<input readonly id='salesIDContainer' type="number" />

</div>

<div class='form-group'>

<label>Entree:</label>

<select name='Entree' id='mealList'></select>

</div>

<div class='form-group'>

<label>Drink:</label>

<select name='Drink' id='drinkList'> </select>

</div>

<div class='form-group'>

<label>Tip(%):</label>

<input type='number' min="0" max="100" value="15" step="5" id='tip' />

</div>

<div class='form-group'>

<label>Subtotal:</label>

</div>

<div class='form-group'>

<label>Sales-Tax (6%):</label>

</div>

<div class='form-group'>

<label>Total:</label>

</div>

<div class='form-group'>

<label>Tip-Cost:</label>

</div>

<div class='form-group form-horizontal'>

<button class='btn btn-lg btn-primary' id='total'>Totals</button>

</div>

</form>

</div>

<h1>Cost ($)</h1>

<div class='col-md-6'>

<form> <!--Parallel form for readonly fields-->

<div class='form-group'>

<input readonly type='text' id='mealCost' />

</div>

<div class='form-group'>

<input readonly type='text' id='drinkCost' />

</div>

<div class='form-group'>

<br />

</div>

<div class='form-group'>

<input readonly type="text" id='subTotalCost' />

</div>

<div class='form-group'>

<input readonly type='text' id='salesTaxCost' />

</div>

<div class='form-group'>

<input readonly type='text' id='totalCost' />

</div>

<div class='form-group'>

<input readonly type="text" id='tipCost' />

</div>

<div class='form-group form-horizontal pull-left'>

<label>Total with Tip: </label>

<input readonly type="text" id='finalTotal' />

</div>

</form>

</div>

</div>

<div class='row'>

<div class='btn-group btn-group-sm col-md-8 col-md-offset-4'>

<button id='newBtn' class='btn btn-success space-btn'><span class='glyphicon glyphicon-plus'></span> New</button>

<button id='prevBtn' class='btn btn-primary space-btn'><span class='glyphicon glyphicon-fast-backward'></span> Prev</button>

<button id='nextBtn' class='btn btn-primary space-btn'><span class='glyphicon glyphicon-fast-forward'></span> Next</button>

<button id='resetBtn' class='btn btn-warning space-btn'><span class='glyphicon glyphicon-refresh'></span> Reset Sale</button>

<button id='deleteBtn' class='btn btn-danger space-btn'><span class='glyphicon glyphicon-remove'></span> Delete</button>

<button id='resetAllBtn' class='btn btn-danger space-btn'><span class='glyphicon glyphicon-trash'></span> Reset All</button>

<button id='summaryBtn' class='btn btn-success space-btn'><span class="glyphicon glyphicon-open"></span> Summary</button>

</div>

</div>

</div>

</main>

<footer>

<b>Copyright &copy; TacoTown 5221 Gullen Mall, Detroit, MI 48202 555-555-5555</b><br />

<i>All companies listed in this website are fictional and are solely for the purpose of a class assignment</i><br />

<hr />

<p>Designed and built by Caleb Latimer reach out to me at <span id='mail'><a href="mailto:latimercaleb@gmail.com?subject=feedback">latimercaleb@gmail.com</a></span></p>

</footer>

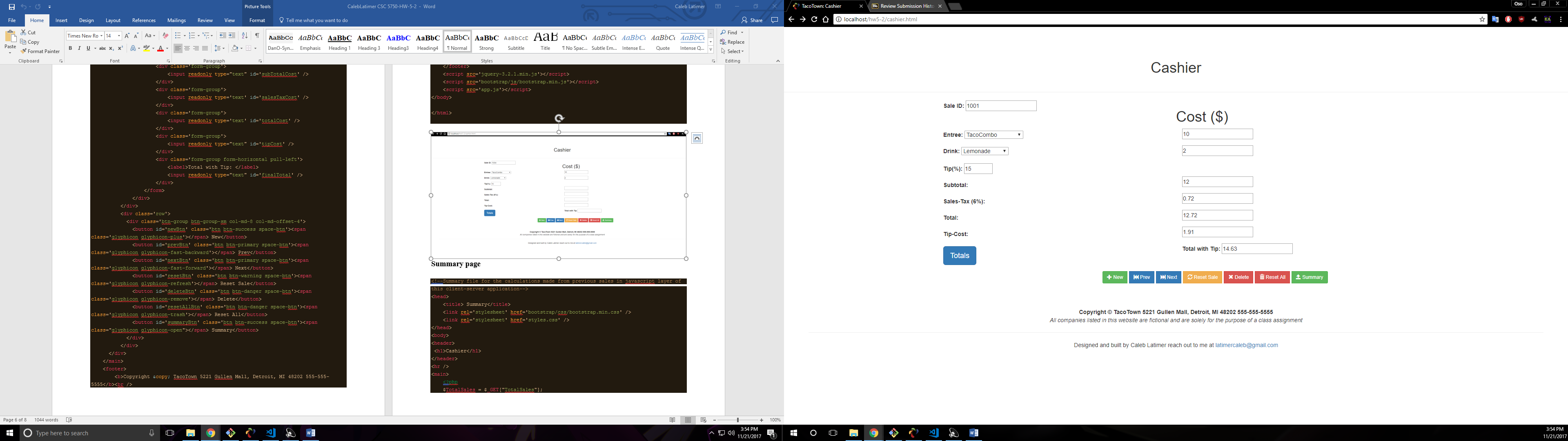
<script src='jquery-3.2.1.min.js'></script>

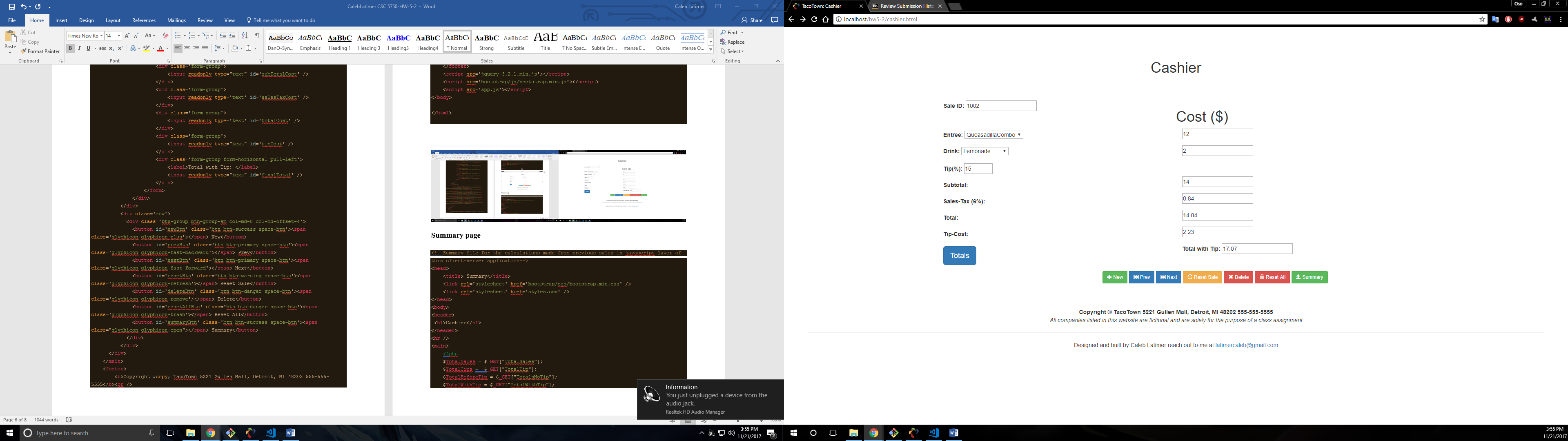
<script src='bootstrap/js/bootstrap.min.js'></script>

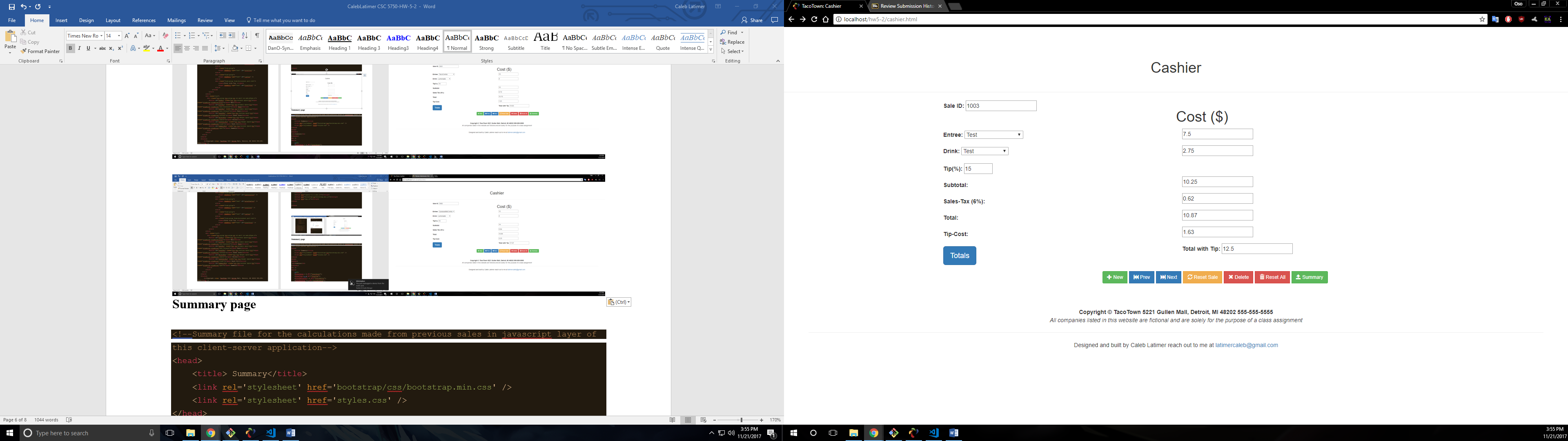
<script src='app.js'></script>

</body>

</html>







**Summary page**

<!--Summary file for the calculations made from previous sales in javascript layer of this client-server application-->

<head>

<title> Summary</title>

<link rel='stylesheet' href='bootstrap/css/bootstrap.min.css' />

<link rel='stylesheet' href='styles.css' />

</head>

<body>

<header>

<h1>Cashier</h1>

</header>

<hr />

<main>

<?php

$TotalSales = $\_GET["TotalSales"];

$TotalTips = $\_GET["TotalTip"];

$TotalBeforeTip = $\_GET["TotalsNoTip"];

$TotalWithTip = $\_GET["TotalWithTip"];

?>

<div class='container'>

<div class='row'>

<div class='col-md-6'>

<form> <!--Main form for user interaction-->

<div class='form-group bigger-group'>

<label>Sales: </label>

<input readonly value="<?php echo $TotalSales ?>" />

</div>

<div class='form-group'>

<label>Totals Before Tips:</label>

</div>

<div class='form-group'>

<label>Total Tip Cost:</label>

</div>

<div class='form-group'>

<label>Total Cost with Tip:</label>

</div>

</div>

<div class=col-md-6>

<h1>Cost ($)</h1>

<div class='form-group'>

<input readonly value="<?php echo $TotalBeforeTip ?>"/>

</div>

<div class='form-group'>

<input readonly value="<?php echo $TotalTips ?>"/>

</div>

<div class='form-group'>

<input readonly value="<?php echo $TotalWithTip ?>"/>

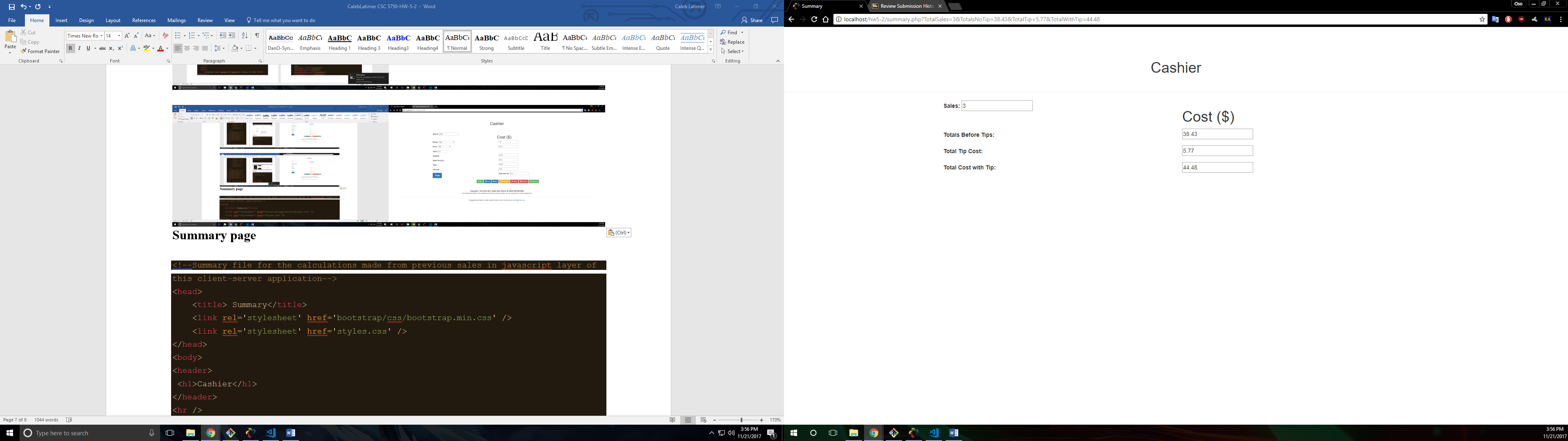
</div>

</div>

</div>

</main>

</body>



\* **Copying-and-pasting web page code to a Word document**

1) From the HTML editor window, press **CTRL-A** and press **CTRL-C**.

2) From within the Word document, press **CTRL-V**.

\*\* **Copying-and-pasting application output to a Word document**

1) From the web page, maximize the browser window.

2) From the browser window, press **ALT-PrintScreen**.

3) From within the Word document, press **CTRL-V**.