**CS 20 Web Programming  
Assignment: Two Owls Cafe**

## Objectives

Work with PHP for form processing, email, and database access.

**Tasks**The Two Owls Café is a new trendy place for grabbing cheap eats. Your task is to create a site for online ordering. You will need to use JavaScript, PHP, and a MySQL database.   
Here is what you need to do:

1. Identify a set of food items to be offered (at least 6).

Burger, Pizza, Salad, Pasta, Milkshake

1. Create a **MySQL database** with a table called “menu” to store the name, description, price, and an image of the item. Note that the images must be hosted on your site. Only the file name (not the full URL –ie, burger.jpg) should be in the database.   
   Grab a screenshot of your populated table within phpMyAdminA screenshot of a computer

   Description automatically generated
2. Create a **PHP page** to display an order form for the menu.  
   Start a form with the <form> tag. The method should be ‘get’. The action should be ‘process\_order.php’.  
   Then for each item show the name. description, price, and image for each as well as a <select> element (values: 0 to 10) to get the quantity of the item to be ordered. Note, you MUST read the item data from the database to get credit for this part.
3. Below the list of menu items, add four fields to the order form:  
    the user’s name as two input boxes (first and last), special instructions as a <textarea> element, and pickup time in a hidden text box field.
4. Add a submit button labeled “Submit Order” and end the form.
5. Create a header for the page that shows the name (or logo) of the place plus the hours of operation (11am-10pm). Put the header code in a separate php file and add it to the page using a php include.
6. When the order form is submitted, use JavaScript to validate the following:
   1. at least one item must be ordered.
   2. the customer’s name (first and last) was provided.
7. Calculate the pickup time in JavaScript (20 minutes from the current time even if they order outside of store hours). Set the pickup time as the value in the hidden field.

The code for this page and the header file plus the URL for this page is a deliverable

1. **Create a second php page called process\_order.php**. (This was the page used as the form action.)  
   This is what you need to do on this page:
   1. Include the header at the top of the page using a php include.
   2. List the following for each item ordered:
      * + name of the item
        + quantity ordered
        + price of the item
        + price x quantity for this item

*For example:  
Milkshake  
quantity: 2   
price: $5.50   
total for item: $11.00*  
Do not show the image or the description of the item.

* 1. Display the subtotal, tax (6.25%), and total for the order
  2. Display the pickup time from the hidden on the form page
  3. Show the user’s name and the special notes.

The code for this page along with its URL is a deliverable

## Extra credit (10 points)

a. In process\_order.php store the order in the database (you will have to create additional tables for this). You should store the date and time of the order, the username, special instructions as well as the name and quantity of each item. Hint: you will need an assignment table.  
  
b. Create a page called “show orders” that displays all data from the order table for all orders that have been received.

c. Create a link labeled “admin” in the header that goes to the “show orders” page.

HINT:   
First create the table, then seed it with some order data, then to part b, then finish part a.

**Extra credit deliverables**: All additional code files. Screenshot of any extra tables created. URL of the admin page.

## Ground Rules

* You may adapt code from any assignment we have already completed
* All menu and order related data displayed on a page or in a form element must come from the database.
* Build the order form on the order page using PHP. Other parts can be HTML.
* Appropriate comments in your code are expected.
* The assignment must work online for any credit. **Be sure to test your work**.

## 

## Rubric

Deliverables/Questions submitted: 15 points

Works to spec and runs online/quality: 75 points

Effort: 10 points

Extra credit: 10 points

**Deliverable Worksheet:**

* All code files uploaded to canvas (php/css) – you may use a zip file
* URL of the *order form page* online <https://oliverz.sgedu.site/two_owls/order_form.php>?wefwef

Note: I had a weird issue with caching, so what I did was I would just always add a query string whenever I changed it.

<https://oliverz.sgedu.site/two_owls/process_order.php?first_name=oliver&last_name=zhang&instructions=&quantity_1=0&quantity_2=0&quantity_3=0&quantity_4=1&quantity_5=1&quantity_6=30>  
example of post order url

* URL of the *show orders page* for the e/c \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Screenshot (paste below)
* Answers to questions:

1. What was the most satisfying part of this assignment?  
   Seeing my first orders pop up in my “orders” table, showing that user input was being recorded
2. How could you have used PHP to enhance your midterm project?

Create an actual ordering system that would store old orders so users could view them