Assignment Web 5

Due Date: December 7

Purpose

You are a student at *weeTon college*, and as such, you're none too pleased with the food situation on campus. You've also used the terrible app for ordering food at Eversin Hall, and found that lacking as well. Well, have no fear! The Provost has installed a slightly-used pizza oven in the old Davis Spencer Cafe, and has now renamed this area as *Provost's Perfect Pizza*. In order to make this work, you need a killer web app for customers to order their pizza.

You may work on this project with one (1) partner, if you wish.

Problem

Provost's Perfect Pizza (*PPP*) wants to build its business with everyone on campus, from old guys (me) that use refrigerator-sized computers with giant monitors to hungry students in Mike Kahn's class using smart phones to order pizza during MATH 151. Thus, *PPP* needs a responsive website that will look good and function well on *any* device. You are to build such a site that includes the following:

- a consistent site design that clearly shows the *PPP* logo (that you design) and navigation

- an introductory/splash page that advertises *PPP* and shows the day's specials

- a page for ordering the pizza

- a checkout page

- a status page

For all of the above, check out `https://www.papaginos.com/` (and others) for some ideas.

Splash Page

The splash page should highlight *PPP* and the specials for the day. This page should also preview the design that is used throughout the site.

Order Page

This page should show the various kinds of pizza a customer can order. The page should first prompt for the customer's name. This is so the order can be matched to a specific person. As the customer chooses her pizzas, a shopping cart should dynamically display the number of pizzas ordered. The cart should be in a place the user expects, and "dynamically display" means it should get updated as the user orders items.

Make good choices as to the type of interface, whether it be simple buttons, drop down menus, radio buttons, etc. These should be styled to match the site; do not use the default colors/shapes.

Somewhere on the page, there should be a "Checkout" or similar button. When this button is clicked, the checkout page should appear.

Note that *PPP* offers ONLY pizza and drinks; **no** sandwiches, wings, or (gasp!) salads, etc. Keep the site simple for easy ordering. You should have several price points, however, and not every price should be a nice, even number (that is easier to align, etc.)

Checkout Page

This page should display all of the pizzas that were ordered and are in the cart. The cost for each pizza and the total cost (including tax - 6.25% in MA) should be displayed clearly; all dollar values should be displayed with two digits after the decimal point. This should look like a receipt with the list of items where the costs are aligned by the decimal point (there are JavaScript functions to help with this). There should then be some mechanism/page to type and submit credit card or LyingBucks information. When this is completed, the app should display a popup (not an alert box!) with some useful information, such as "Pizza will be ready in 20 minutes" or the like. You may also want to thank the customer. Store the customer's name and other information in a cookie. You may assume the names will be unique.

Status Page

The status page should show each of the customer's names and how long it will be (minutes) before the order is ready, from earliest to latest. The actual time can be made up, but the names should be in the correct FIFO order.

Specifics

- The site should use responsive design so that it will look good on *any* device.

- The site should follow web page design guidelines, as usual. Note that this now means that you have to be extra careful in the design, as the site should follow the guidelines no matter what the device size happens to be.

- This can be done completely on the client side. Use JavaScript and cookies to store, update, and get data from the shopping cart. Use JavaScript to execute button functionality and for any computations you need. *Note: PHP is permitted, but it's probably easier just to stay on the client side.*

- All buttons should give feedback smoothly and be nicely styled.

- As usual, create a link to *PPP* from your home page.

Notes

You don't need quantity in this project; for example, you don't need to show 50 kinds of pizzas. You **do** need to have enough content on the page to show how well your design works on different device sizes.

Although we do not have enough time to implement the back-end for this project, you should realize that you have the skills to build a server-side ordering system that keeps track of all the orders coming into the shop. A separate web page for the shop itself could then access the orders, get student ID numbers, keep accounting information, and so forth.

Upload all of your web pages and files to the server before 11:59:59 PM on the due date, and don't forget to add the link to your home page.

There's no better feeling in the world than a warm pizza box on your lap.
– Kevin James