

IS 445/545: Internet Applications Development
Project (20% of total grade)
Due: Dec. 9, 2016 11:59PM

Using Plain Text Editors

For this HTML & CSS programming, you are supposed to use only plain text editor such as Notepad in Windows or TextEdit in Mac OS X, not HTML editors or MS Word. When you are using TextEdit, make it sure that your setting is for plain text edit mode (see the instructions in <http://www.tekrevue.com/tip/textedit-plain-text-mode/>).

Homework Assignment

Points worth: 20% of your total grade

Group or individual: Must be done individually by yourself

What to submit: Make a **one** zip file named proj_”yourname”.zip and upload

How to submit: Use Beachboard’s Dropbox folder

Due date/time: Midnight on Dec. 9, 2016 (no late submission!)

Instructions for downloading/uploading files from/to BeachBoard’s Dropbox:

1. Open BeachBoard IS445/545 class’ Dropbox and open project.
2. Run your plain text editor on your computer.
3. Create files as described in the instructions section.
4. Modify them to make your homework solution.
5. Make sure your program works correctly by running it (every time after adding several lines of code).
6. Complete the programs, save them and make a one zip file named proj_”yourname”.zip with all necessary files such as images you used. Upload your zip file to Beachboard’s Dropbox folder.

Overview

This project assignment serves as the comprehensive results from the entire course:

1. Use HTML, CSS, JavaScript, jQuery, PHP.
2. Help you construct a complete dynamic web page and deploy it through Amazon Web Service.

Instructions

Using HTML, CSS, JavaScript, jQuery, and PHP, you need to make a dynamic web site with your own theme (as we did in the class). You are supposed to make your own store web site (e.g., coffee shop, sports, cosmetics, etc.). Your web site must have at least three

separate pages with a navigation menu, each page will be implemented as a separate HTML file. For example, one main page, one product list page with ordering, one for contact info page. Refer the sample we used in the class (posted in the Beachboard). You can reuse the web pages you made during the class or you can create your own again.

Guidelines

You must adhere to the following guidelines:

1. You must use **at least one externally-linked CSS file**. The CSS file, or one of the CSS files, must have **at least 10 rules** to provide styling of the html files such as site colors, fonts, borders, etc. Also include both class and ID. You should use all styles in your CSS in your web pages, i.e., there should be no unnecessary styles. Moreover, at least 3 rules must be used in all of your HTML files.
2. You must not use frames.
3. You should not use absolute URLs for images. Put all the files in the same folder (for easier grading).
4. You cannot use other people's CSS files.
5. Using jQuery, you must show at least 5 effects (e.g., hide (slow, fast), animate, slide, etc.) **in the main page**.
6. Using JavaScript, create a table with **at least five products** you want to sell. Put images of the products, description, and price.
7. In one page, implement HTML and PHP codes to receive user's order which consists of product name, order quantity, user name and address. The received order must be stored in a local file named "order.txt". You can decide the format of the file. One example is a plain comma separated file, e.g., "Arabian Coffee, 3, Seon Kim, 123 3rd St. Los Angeles".
8. **In another page**, create a section to check out the order stored in the file. Create a button to show all the order in the file in a nicely formatted way. Simply, read the stored data and provide a formatted page.
9. Upload and deploy your web site to your AWS account and check if everything is working fine. Your web site should be visible through AWS. Note that your web site will be open to the public so be careful in preparing your contents. Don't put your private information nor any improper contents.
10. Note that you need to include a short report in PDF format titled "proj_report.pdf" which explains where in your web pages CSS, Javascript, jQuery, PHP are used. Make a one zip file named proj_"yourname".zip with all necessary files such as images you used. Upload your zip file to Beachboard's Dropbox folder.