

# Project Workshop – CPRG 210 HTML/JavaScript/CSS

## Topic:

Creation of an HTML/JavaScript/CSS based Website prototype.

## Description:

Teams will design and construct a prototype website for the Travel Experts travel agency. A survey of travel-related websites is encouraged.

At this point in the project, the focus is on producing HTML pages with Cascading Stylesheet and Javascript enhancements. As the project progresses, these pages will be enhanced to include server-side functionality and will evolve into a dynamically generated, database-driven web application. As we progress through the next four months, you will develop a number of prototype components which you will demonstrate in two presentations. The current assignment will focus on some basic features as described below.

## Deliverables:

Build an HTML page that will be the entry page for your travel website. There should be some information about the agency, a menu that provides links to other pages, and any other features that you would like to include that will make your site look professional.

While you are encouraged to add more features as time permits, the basic requirements are:

1. A Main page that will welcome the customer to the site and provide links and menus to the other pages.
2. A “Contact Us” page that has information about how to phone, email, or go to the agency.
3. A “Vacation Package” page listing all vacation packages available. This will be a static page at this time and will be enhanced later to be dynamically generated from a database. This could be located on the Main page if your team decides that it would be a better design.
4. A “Customer Registration” page that will allow a customer to set up an account with Travel Experts by entering their name, address (including city, province, country, and postal code), email address, home phone number, business phone number, user ID, and password, which will be used, after verification, to establish an account for future orders. The data will be submitted to a test page (use `bouncer.php`) at this point, but this page will be enhanced later to become an order page with server-side scripting and database access.

Enhance your pages with Cascading StyleSheet code to provide consistency from one page to the next, and to avoid the use of obsolete HTML tags and techniques.

Add JavaScript functionality to your web pages to provide basic form validation on the registration page, and rollover/hover effects where appropriate.

Add any other features that you have time to build that you feel the site could use. Make the pages look good, so customers will want to come back.

### **Evaluation:**

Each student will be assigned a grade for the workshop based on their individual work plus the evaluation of the rest of their team. Work should be divided among the team members so that each person has a similar workload.

**You can hand in your source code as a group, but the files should have internal comments that identify the author of each file, as part of your individual mark is based on your programming work.**

Factors included in the marking include code neatness and readability, documentation, functionality, and design. In cases where more than one person collaborated on a single program, each person can hand in a copy of the code with internal comments indicating which portions were written by which person. There will be many tasks that do not result in program code such as project management and testing. Please list the ones you did in a documentation file so you can be given credit for your work.

### **Class Time Guideline:**

This is to be done as a homework assignment after 3pm.

### **Project Deliverables:**

1. Your source code and related files will be included with the files developed in the Node.js module.
2. Documentation file (e.g. Word, Notepad, or Excel) that provides details of each team member's contribution

### **Due:**

The project deliverables described above are due at 8:00 a.m. on the Monday following the date scheduled for the first Project Presentation, unless otherwise indicated by the instructor.