

## INFS3202/7202 Practical 1 – Static Web Page Design

### Weeks 3

#### Overview and objectives

The goal of this practical is to setup programming environment and explore basic HTML & CSS structures. The Prac could be done either in Lab (during weeks 2), or at home. However, you must present this practical working from your personal web-server to your lab tutor during your scheduled lab sessions **in Week 3 that starts 16/03/2015**. You must also submit the code you have shown to the tutor on Blackboard by 6pm on the day of your Prac session.

This practical exercise is divided into three tasks, where you will create three static HTML pages:

- an overview page for your “My Restaurant” project (2 marks);
- a Google map with markers indicate restaurants’ location (2 marks);
- a gallery view page (2 marks).

**Note: you must deploy your work on your located student zone in order to get assess.**

#### Preparation

Before attempting this Practical you must have a good working knowledge of how to create a basic site using HTML & CSS. You should know how to use style sheets to change both the style and layout of a page and the advantages of using CSS over inline styling and table layouts.

You also must read the “Overview” document (available on blackboard) that explains how IT-facilities are setup for the Practicals and how you should setup your computer to get access to your web-server.

Please Ensure:

- You have covered the material in Lecture 2.
- You have a good understanding of basic HTML mark-up and how to create pages using mark-up notation. You should understand how to use the following markups:

<HTML><HEAD><TITLE><META><BODY><P><IMG><A><DIV><TABLE><TR><TD><UL><LI>

A quick introduction could be found here:

- <http://www.w3.org/MarkUp/Guide/>
- <http://www.w3.org/MarkUp/Guide/Advanced>
- <http://www.w3schools.com/html/default.asp>

You should know how to use a CSS file to apply a consistent set of styles to objects in an HTML page or a set of HTML pages, and how to change the layout of objects.

A quick introduction with examples is available here:

- <http://www.w3.org/MarkUp/Guide/Style>
- <http://learnlayout.com/position.html>
- [http://www.w3schools.com/css/css\\_positioning.asp](http://www.w3schools.com/css/css_positioning.asp)

You should also understand what HTML and CSS validation are, and why it is important to produce "correct" HTML files:

- <http://validator.w3.org/docs/why.html>

**Task1 (2 marks): The overview page**

- A Google map embed within the webpage.
- A list of restaurant that you are interested with some necessary description.
- Each place is associated with some metadata.

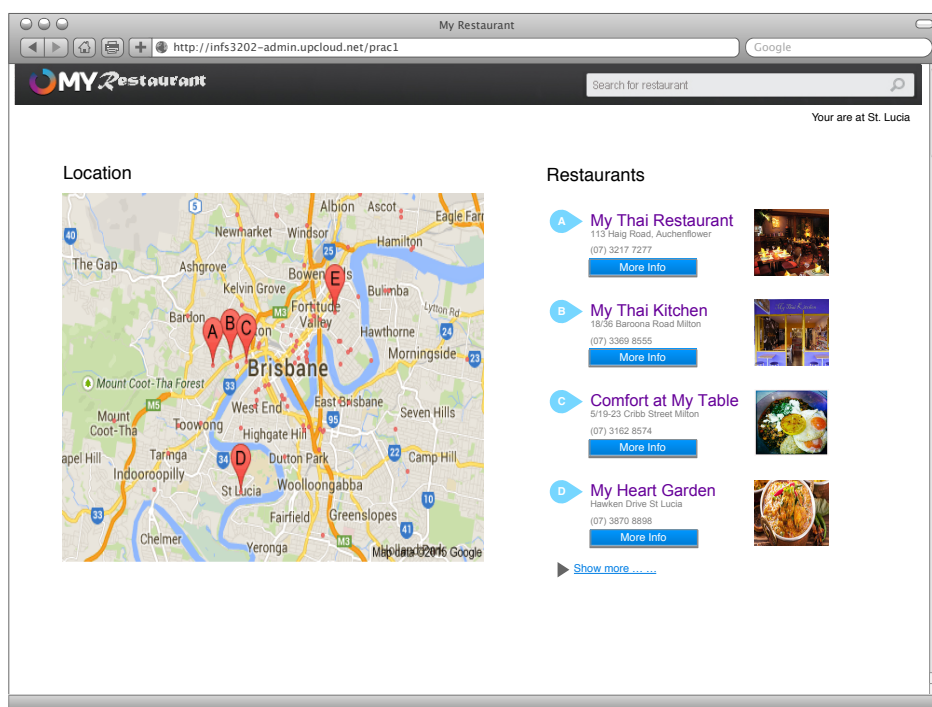
Your work should be using CSS (0.5 marks) and validating your pages (both HTML and CSS) with the w3c validators (0.5 marks). All of your code should pass validation without errors. Warnings are acceptable; however you should understand their meanings.

The validators are found at:

HTML: <http://validator.w3.org/>

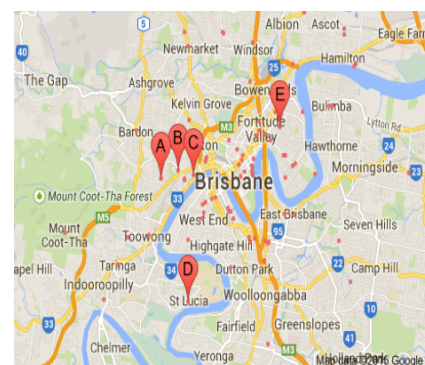
CSS: <http://jigsaw.w3.org/css-validator/>

Example:

**Task2 (2 marks): The Google Map**

The integrated Google map should contain necessary markers to indicate the location of the correlated restaurant's location in the map. You can find all necessary instructions about Google map from <https://developers.google.com/maps/>.

Example:



**Task3 (2 marks): The gallery view page**

When a user clicks the thumbnail image of any of a restaurant , a new lightbox with animated view of the pictures relate to the restaurant should be displayed.

In addition, when users click on “More info” button a new page will be open. The page should give a more detail deception on the restaurant.

Google Map: <https://developers.google.com/maps/>  
Lightbox: <http://lokeshdhakar.com/projects/lightbox2/>

