

INFS3202/7202 Practical 1 – Static Web Page Design

Weeks 2-4

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 -3), 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 4 that starts **24/03/2014**.

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

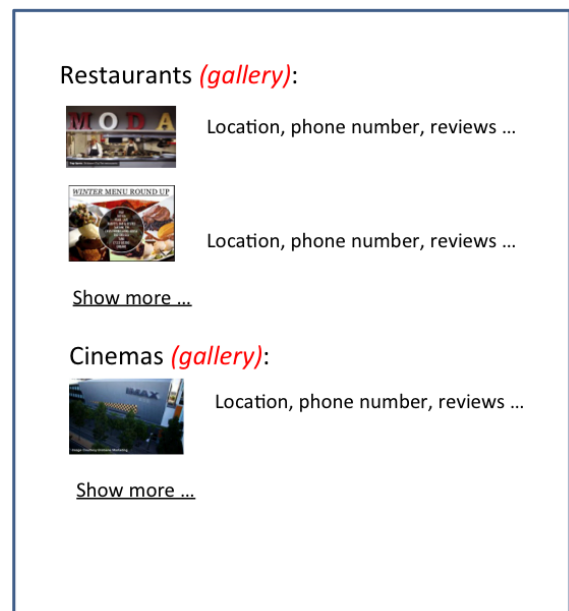
- an overview page for your “My Places” project (2 marks);
- a category listing page (2 marks);
- a gallery view page (2 marks).

You are encouraged to design some extra attractive functions to get **1 bonus mark**.

Task1 (2 marks): The overview page

- Lists different categories of your interested places
- Only shows couple of representative places for each category
- Each place is associated with some metadata. The metadata is just static text in this task.

Example:



Task2 (2 marks): The category listing page

When a user clicks the “show more” link, a new window opens, which shows the full list of the places in the selected category. To get higher marks you 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.

Task3 (2 marks): The gallery view page

When a user clicks the “gallery” link, a new window with animated view of the pictures in each category opens (*using lightbox*).

The validators are found at:

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

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

To deploy your project place the code into `/var/www/htdocs` directory at your personal server.

By default, static files are directly accessible at the following **urls**:

on-campus:

<http://infs3202-xxx.zones.eait.uq.edu.au/>

externally:

<http://infs3202-xxx.uqcloud.net/>

Note that , “xxx” is your personal id, which will be issued by our IT support team.

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 that explains how IT-facilities are setup for the Pracs and how you should setup your computer to get access to your web-server.

Please Ensure:

- You have read the “Overview” document (available on the blackboard).
- 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><A><DIV><TABLE><TR><TD>`
 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://www.communitymx.com/content/article.cfm?cid=3B56F&print=true>
 - http://www.w3schools.com/css/css_positioning.asp
- You should also understand what HTML and CSS validation are, and why it is important to write "correct" HTML files:
 - <http://validator.w3.org/docs/why.html>