



## MMA710S Multimedia Applications

The weekly tutorial/lab exercises contribute to the total marks for the course. To obtain the **FULL MARKS** you must have completed the **shaded** components of the worksheet **BY THE END OF THE SESSION** and the remainder **BEFORE** the next session. It will be **YOUR RESPONSIBILITY** to make sure that your tutor signs you off for the compulsory component by the end of the class session and the rest by no later than the following week's session.

### Due date: Next week (class time)

The instructions given in the lab exercises are quite detailed, and at times it may be easy to miss vital steps in the process being carried out if you do not read the instructions carefully.

#### Objectives:

- ☐ To become familiar with basic HTML code
- ☐ To become familiar with Macromedia Dreamweaver environment.



☐ This is the 1st installment of the DreamWeaver worksheets. You will first learn to produce basic HTML code outside of the Dreamweaver environment, then you will repeat the exercise but use Dreamweaver as your HTML editor. Although editors can save you time in terms of development of web pages, they also tend to create messy code when you change your settings frequently. This often leads to unpredictable results. Knowing a bit about HTML code will make it easier to spot and correct any errors.

- ☐ To enable you to complete this lab exercise you will need to download Lab3\_files and extract **rainbow.gif** from it to your Student drive.

Before we begin creating web pages with DreamWeaver you will learn to code with **plain HTML**. You will be introduced to the most commonly used HTML code by creating a small web page. The absolute basics of a web page consist of the following "tags" (you will learn more about tags in the lecture).

- ☐ Open **Notepad** (usually located in the Accessories folder) and type in the following code:

```
<html>
  <head>
  </head>
  <body>
  </body>
</html>
```

- ☐ Save this file as **la3-1.html**
- ☐ Open the file in Internet Explorer. What can you see on the page?

- ☐ What can you see at the very top of the page next to the IE logo?



Nothing seems to appear up here yet.

- ❑ Leave your browser window open. **Update** your HTML code with the following line - place the code between `<head>` and `</head>`:

- `<title>[your name]'s hand-coded webpage </title>`
    - `[your name]` should contain your own name

- ❑ **Save** the file again and view it in your browser (you may have to refresh the page to see any changes).
- ❑ What has changed?  
'Andreas's hand-coded webpage' appears as the title of the page.

- ❑ Add the following code between the two `"body"` tags:
  - `<h1> Lab 3 exercise</h1>`

- ❑ **Save** the file again and **view** it in your browser (you may have to refresh the page to see any changes).
- ❑ What happened?  
'Lab 3 exercise' appears as a 2nd title in big bold fonts (below the 1st heading).

- ❑ Add the following code between the `"h1"` tags:
  - `<h3>creating HTML pages</h3>`

- ❑ **Save** the file again and **view** it in your browser (you may have to refresh the page to see any changes).
- ❑ What happened?  
'creating HTML pages' appears down below the title 'Lab 3 exercise' in smaller bold fonts.

- ❑ Next, we will use three different tags that do not require a closing tag in HTML and earlier versions `<p>`, `<br>` and `<img>`.
- ❑ First `<p>` which stands for `"paragraph"`: add the following code and text, after the `"h3"` tags:

- `<p>`
  - A flea and a fly in a flue
  - Were caught, so what could they do?
  - Said the fly, "Let us flee."
  - "Let us fly," said the flea.
  - So they flew through a flaw in the flue.
  - -Anonymous
  - `<p>`

- ❑ **Save** the file again and **view** it in your browser (you may have to refresh the page to see any changes).
- ❑ **Compare** the text you typed with the text that is shown in the browser and write down what the difference(s) is/are.

The text I typed appears to be in a paragraph form (sentences flowing continuously with no space wasted). Besides, the size of the fonts has not changed, only that now they have changed from bold.

- ❑ Next, `<br>` which stands for `"break"`: place a `<br>` tag at the end of each line of text **AFTER** the `<p>` tag.
- ❑ Save the file again and view it in your browser. Explain what the **visual difference** is between `<p>` and `<br>`.

Text typed with '`<br>`' tags has each and every single sentence in its own row while the other one is in a paragraph form (sentences flow continuously/one after the other with no space wasted in any row).

- .....
- ❑ The page is a bit plain, we will use an image to improve it up a bit. The picture we will insert is called **rainbow.gif**. The absolute minimum code needed to insert an image is as follows – insert it before the first **paragraph** tag:

- ``

- ❑ **Save** the file and **view** it in your browser.

There are many more codes you could use here, but we will leave it for now. We will create the same page in DreamWeaver instead.

- ❑ **Open DreamWeaver** and, using the Help facility, **answer** the following **questions**:

- ❑ What is the purpose of the **Property Inspector**? (*Do not cut and paste the answer, instead try to understand what you can do there and answer in your own words!*)

Is a tool that allows one to see and alter the details/properties of the element you select on your webpage. This could be text, an image, a table, or any other element of media you can insert into the web page.

.....

- ❑ What can you do with the **Insert Bar**? (*Do not cut and paste the answer, instead try to understand what you can do there and answer in your own words!*)

It is a handy toolbar located at the top of the Dreamweaver workspace. It also provides a quick and convenient way to insert a variety of elements into the webpage, without writing a lot of code by hand. Basically, it's like a one-stop shop for adding common webpage components.

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- ❑ What can you do in the **Document window**? (*Do not cut and paste the answer, instead try to understand what you can do there and answer in your own words!*)

The document window is the main workspace where one builds/edits the web pages. It basically acts like a canvas where you design and develop the visual and functional aspects of your webpage.

.....

Two important views that you will be using are:




- ❑ Click on **Code View** and have a look at what is already provided there by way of HTML code. **Identify** the **tags** that you **DID NOT** enter in your first HTML page.

`<br />`

.....

Let's begin the creation of the page:

- ❑ First the **title**: there are 2 ways to give the document a title,
  - one is via **Modify | Page Properties**,
  - the easier way is by altering the value in the **Title window** of the **Document toolbar**.
- ❑ Save your work as **lab3-2.html** and **preview** it in the browser by either pressing **F12** or clicking on the **Preview icon** in the **Document toolbar**. 
- ❑ Return to **Design View** and type in the **text** you used for the **<h1>** tag.
- ❑ Go to the **Properties** window at the bottom of your screen and **format** the text as **Heading 1**
- ❑ Type in the **text** you used for the **<h3>** tag and **format** that as **Heading 3**.
- ❑ **Save** your work and **preview** in the browser.
- ❑ What are the code differences (if any) between hand coding in Notepad and the code that DreamWeaver produces?

.....[The code typed in DreamWeaver appears with the tags while the one in Notepad has no tags.](#).....

- ❑ Type in - **DO NOT COPY** - the rest of the text beginning with "**A flea and a fly ...etc**".
- ❑ What happened when you hit Enter to go to the second line? (Hint: **look at the code**)

.....[There is a very huge gap between the 2nd and the 3rd line.](#).....

- ❑ There are at least two ways to fix this – one you already know – what code is needed to keep the lines closer together?

.....[Apply this code to all the <p> tags in HTML code by adding the class="tight-lines" attribute within the opening <p> tag](#).....

- ❑ Enter the rest of the text but this time, instead of pressing **Enter** by itself, hold down the **Shift** key as well!
- ❑ **Save** your work and **preview** it in the browser.
- ❑ Last but not least the **image**. Place your cursor where you want the image to go, then find the **Image icon** and insert the **rainbow.gif**.

Finally, create two folders as **Lab3-1** and **Lab3-2**. Then copy your html file in the first folder and Dreamweaver html file in the second folder. The rainbow.gif image must also be copied in the respective folders. Submit your work on e-learning (in a Zipped folder).

**NB: Please check the announcement folder for tests date and assignments due dates.**