ICT108 Introduction to Internet and Mobile Technologies
TSD, 2018

Assignment (worth 15% of overall assessment)
Due Date: Wednesday of Teaching Week 6, 4 PM

WARNING: Take note of academic integrity issues. Lack of this can lead to serious penalties. Read the following links carefully:
http://our.murdoch.edu.au/Educational-technologies/Academic-integrity/

http://www.murdoch.edu.au/TNE/Assessment-Moderation-and-Results/Academic-Misconduct/

Submission:

- Submit the Assignment via LMS by the due date.
- Please make sure you have a **back up** of all your submission.
- Late submissions will incur a **10% penalty for each day's delay**, unless a prior extension due to illness or some other serious unforeseen event is obtained.

OBJECTIVE

- To demonstrate that you can plan, design and write some basic HTML documents that will load and display correctly in a browser.
- To be able to create a simple website using only HTML code
- To be able to comment most HTML code
- The HTML code must be laid out properly and neatly

SOFTWARE ALLOWED TO BE USED

- Only text editor can be used (e.g. NotePad).
- **WYSIWYG tools (e.g. Dreamweaver or Expression Web) are NOT allowed for this assignment.**

ASSIGNMENT

1. This assignment involves you producing at least **five** HTML documents.

2. You have to **choose one of the topics from the following list**.

   a. Virtual You – Everything about yourself
   b. Your Favourite Sport – Provide background of your favourite sport and explain how the game is played
   c. A Society – Provide information about a society and its members.
   d. Mobile Apps – Provide information on your favourite Apps, how to develop an Apps or the most popular Apps.
   e. Location Based System – Provide information about location based service on mobile device and how some Apps use them.
   f. Artificial Intelligence - Provide information about Artificial Intelligence and how eCommerce sites/Apps can use them.

3. For example, if you decide to create a 'Virtual You', your website can consist of the following:

    (a) *A home page*. This should be named *index.html* (or *index.htm*). This page should have an email link and photo of you, as well as introduce the 'virtual' you!

    (b) *A resume page*. This is a professional resume, intended for job application. Do **not** include personal information like your student number, home address, or phone number – you can fictionalise these details.

    (c) *A personal page.* This is about the information on yourself, basically your interests.

    (d) *At least two other pages of your choice*.

4. IMPORTANT: Regardless which topic you intend to create, **NEVER** put private information (like your phone number, birth date, account details, student number etc) on the website.

5. The following are the requirements of your website:

    a. Your code is laid out neatly and properly indented

    b. You have to comment all the codes

    c. Foreground and background colour combinations provide sufficient contrast when viewed.

    d. Using hyperlinks, link your pages together so that it is possible for the user to navigate between them. The following structure diagram shows only the minimum requirements.

    e. Minimum of 3 links from the first page to pages you create (see diagram).

    f. You should have at least three levels of navigation to pages created by you (see diagram).

    g. You should have at least one image on the home (main) page. You may have more images as there is no restriction on images, however the whole submission must not exceed 10MB.

    h. <u>NO JavaScript or CGI should be used.</u>

    i. **Demonstrate that your website has used the following:**

        i. The web document needs to be in HTML5

        ii. Using Structural Elements

        iii. Using Lists

        iv. Using Image Element

        v. Linking to location using id Attributes

        vi. Using meta Elements

6. **VERY IMPORTANT:**

    a. Make sure you **DO NOT** use any graphics/photos that are owned or copyright by others **without the permission of the copyright owners**.

    b. Take note that **you are not allowed to "cut and paste" content** from other WebPages, books, articles etc. You should rephrase them if you are using some of those materials. See http://our.murdoch.edu.au/Student-life/Study-successfully/Study-Skills/Referencing/Academic-integrity/

c. Failure to comply this may have serious consequence. See http://www.murdoch.edu.au/TNE/Assessment-Moderation-and-Results/Academic-Misconduct/
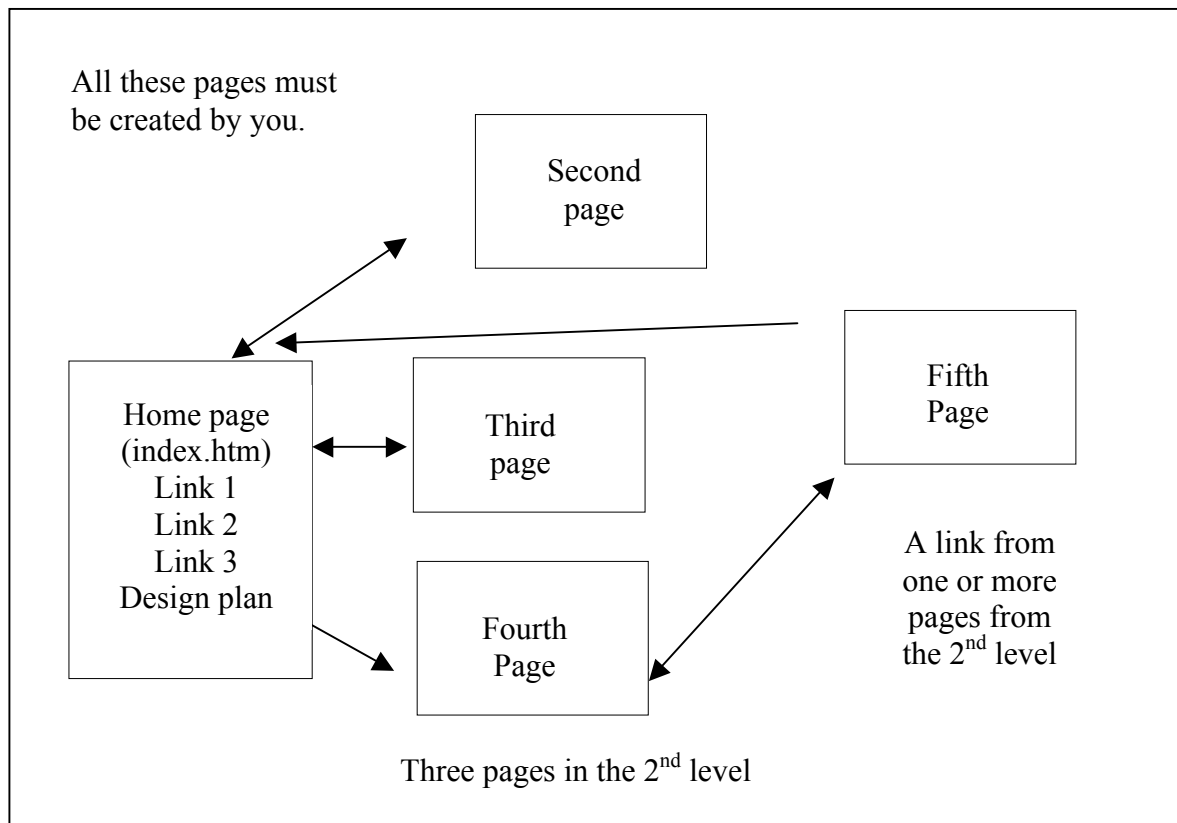
All these pages must be created by you.

Second page

Fifth Page

Home page (index.htm)
Link 1
Link 2
Link 3
Design plan

Third page

A link from one or more pages from the 2nd level

Fourth Page

Three pages in the 2nd level

Fig 1: Example of a navigation diagram

7. Design plan of your web pages

These should be linked from your home page. Produce a storyboard (see Fig. 2) and navigation diagram (see Fig 1) of your web pages. **Take note that the storyboard and the navigation diagram are not to be counted towards the 5 HTML documents.** The storyboard and navigation diagram can be computer-drawn in PowerPoint or Word, or it can be in HTML. The objective of the plan is to show information about each web page within the 'system' of pages.

- The navigation diagram should show the navigation that is possible within the 'system' of pages. Show this with one and two headed arrows. It should indicate the title of each page along with the filename which contains the page. The title should be exactly the same as the title in the HTML document. The page title is **not** the same as the name of the HTML file on the disk. In other words, the title is what should be displayed on the title bar of the browser when the page is loaded. The filename is what you see using Windows Explorer.
- **A storyboard must be completed for each web page.**

<u>SUBMISSION GUIDELINES</u>

- Upload all the files (including the directory structure and all the image files) of your web documents
- Remember to upload the storyboard and navigation diagram file/s.
- <u>Do not upload any unrelated file</u>
- You can zip all your files and upload the zip file.

ASSESSMENT CRITERIA

Meeting requirements as outlined in (5):   (40%)
  - Overall Design –links and levels
  - Use of colour and fonts
  - Use of graphics or images
  - File size below 10MB
  - Include specified elements for the website

Navigation: (15%)
  - Navigation – accessible, intuitive, consistent
  - Navigation – all links working

HTML code: (15%)
  - HTML code – format and layout
  - HTML code – clearly and properly commented
  - HTML code – using appropriate tags and coding
  - HTML code – no unnecessary code

Design plan - storyboards and navigation chart   (20%)

Content   (10%)
  - Spelling and grammar
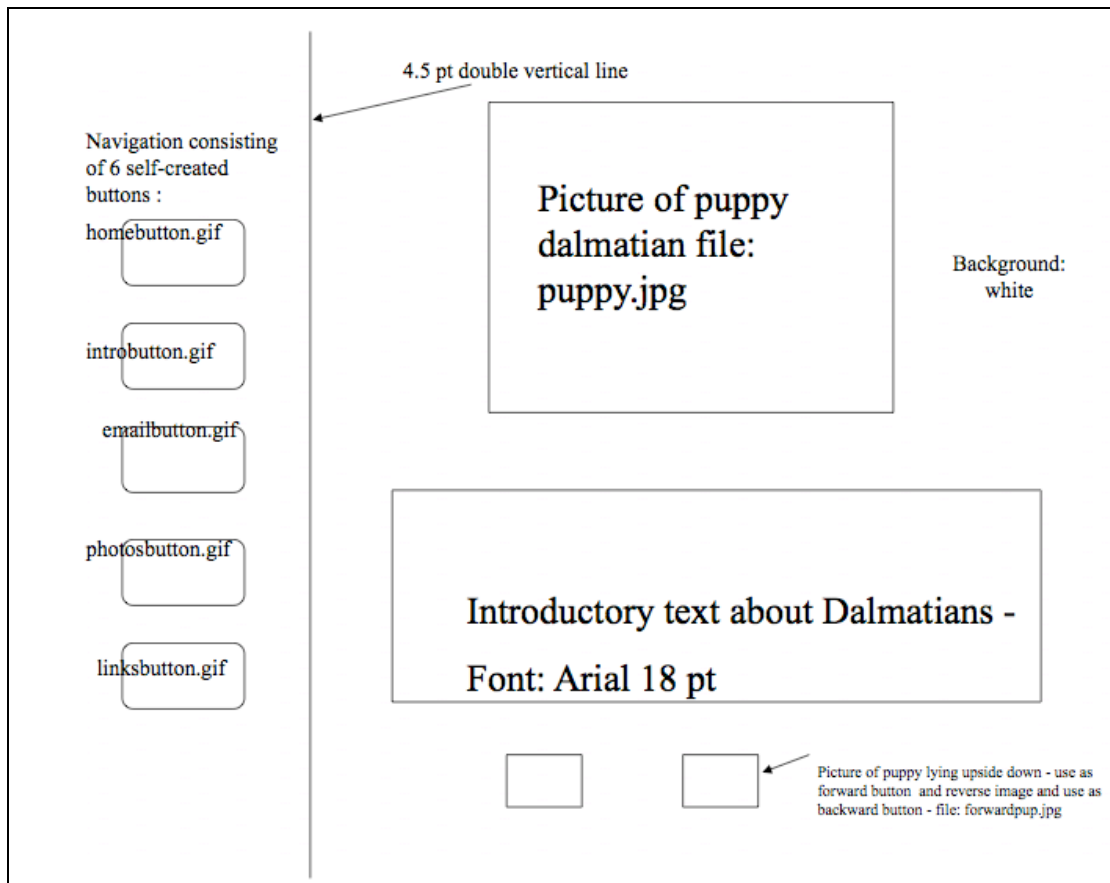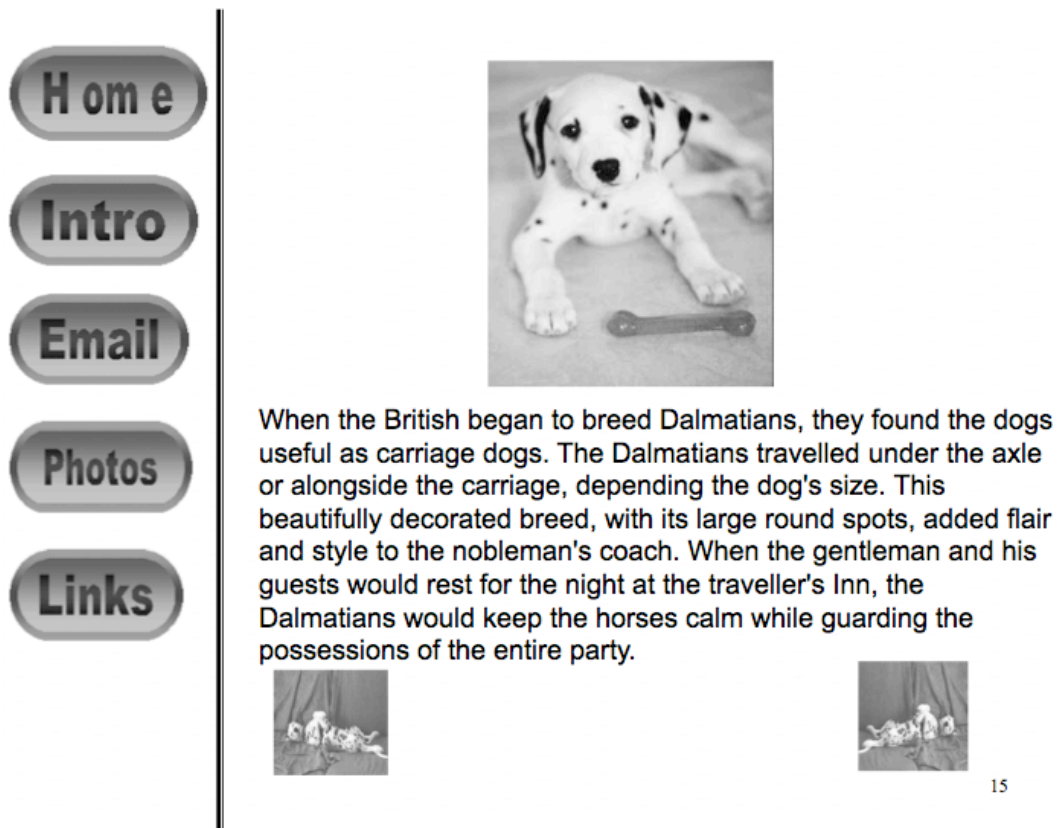 - Clear, informative, interesting

Fig 2. Example of Storyboard

Fig 3. The actual web page for the storyboard in Fig 2.