

**Web Development 1**

**Module leader: Dr Matt Smith / Frances Murphy**

**Lab test 1**

**SAMPLE – Oct 2012**

**Students arriving more than 10 minutes after the start of the test may not be permitted entry.**

**The test is open book – any written materials may be brought in**

**Notes**

* Create a new empty folder and rename it in the form “**SMITH Matt B000007**” (but with your name and student number!).
  + At the end of this test you are to submit a ZIPped file containing the contents of this folder – the contents should subfolders for each question in the test
    - i.e. folders named: question1, question2 etc.
  + Failing to create a correct folder name will result in a **5 mark penalty**.
* If any assets/files are needed for the test they can be downloaded from Moodle
* You are advised not to leave the room without checking your ZIP has been uploaded
* All files you submit should be well-formed and valid HTML. Remember browsers forgive some errors – just because the page appears to render fine in the browser does not guarantee it is well formed.
  + You are advised to **validate your code** via the W3C validator, since that system will be used as part of the grading process …
* To get full marks complex coding (such as lists, CSS rules) should be neatly laid out using appropriate blank lines and tabbed indentation.
* You are advised to READ ALL PARTS OF THE TEST before starting work
* Save your work frequently
  + You are advised to work from an **external** USB or hard drive, or use your **network** drive, since if your computer crashes / loses power in the test you will only be given sufficient extra time to log onto another computer and continue with your saved work …

**Question 1 – HTML index page – 50 marks**

Place your files for this question into a folder named “question1”

You are to create an HTML home page for a website that should display as shown in the provided screenshot. To save typing, much of the text has been text provided in text file “**question1.txt**”.

HINTS:

* Inspect the screenshot carefully – look for clues to elements such as the title text, line breaks, horizontal rules, emphasised elements, different levels of headings, paragraphs, lists etc.
* The appropriate text should link to files “robert.html”, “gwyneth.html” and “car.html”

**Question 2 – make all pages valid HTML 5 code & images in all pages – 10 marks**

Copy your “question1” folder naming the copy “question2”

(2a) Edit/add to the contents of all 4 pages so that every page is a valid HTML document

HINT: You’ll need to add some elements to the car and two cast pages …

HINT: Use the validator !

(2b) Make pages display images:

* Make “car.html” display the car image at the bottom of the page
* Make “robert.html” display his image at the bottom of the page
* Make “gwyneth.html” display her image at the bottom of the page

**Question 3 – folder structure and updated links – 10 marks**

Copy your “question2” folder naming the copy “question3”

(3a) Change the folder structure of “question2” as follows:

* Create a folder “images” and move all images into that folder
* Create a folder “cast” and move “robert.html” and “gwyneth.html” into that folder

(leave “index.html” and “car.html” where they are…)

(3b) Edit your code to ensure the following all work correctly with the new folder structure:

* each page’s image elements successfully display the appropriate image from folder “images”
* the three web links work correctly

**Question 4 – CSS – 10 marks**

Copy your “question3” folder naming the copy “question4”

(4a) Create a folder “css” and save into this folder a new style sheet named “iron\_man.css” that defines the following rule:

* Paragraphs should be styled to display in green coloured text

(4b) Edit all 4 web pages to make them all apply this style sheet to their content

**Question 5 – simple navigation bar – 10 marks**

Copy your “question4” folder naming the copy “question5”

(5a) Add the following to the top of these pages:

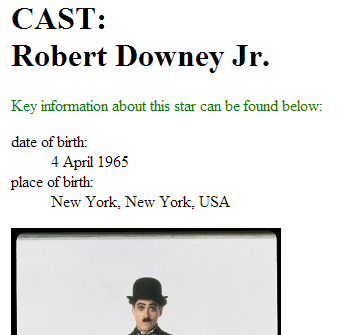
* car.html: the text “(home) - car” and a horizontal rule
* robert.html: the text “(home) - robert” and a horizontal rule
* gwyneth.html: the text “(home) - gwyneth” and a horizontal rule

(5b) For the 3 pages in the list above, make the “(home)” text a link to page “index.html”

**Question 6 – definition lists – 10 marks**

Copy your “question5” folder naming the copy “question6”

Edit the content of the two pages in folder “cast” so that the birth information is presented using a definition list:



**Question 1 – screenshot**

