

Year 8

# WEB SITE DESIGN

## Using Dreamweaver



Before beginning this project students are required to download the folder **Student Resources Y8 Making a Website**, from the **All Staff** server from your teachers area (e.g. **JC**) and their student read folder (e.g. **JC studR**), **Year 8, Topic 3**

**Name:**

**Group: 8.**

**The aim of this project is for you to learn how to design and create a website for Sha Tin College, Reviews Magazine.**

**Your website should:**

- Be suitable for the intended audience
- Have relevant and interesting content
- Have a consistent look and feel
- Show features of good design
- Use hyperlinks to navigate from page to page
- Contain images

## TASK 1

Before you create your own web pages, you need to consider what makes a good or a bad website.

Open the document called *Evaluating Internet Sites.doc* on the 'Staff Drive' and save it to a folder in your area called 'Topic 3 Web Design'. ([www.msc-ks3technology.wikispaces.com](http://www.msc-ks3technology.wikispaces.com))

Look at the following two websites

- [www.tbshumorstudy.com](http://www.tbshumorstudy.com)
- [www.cartoonnetwork.com](http://www.cartoonnetwork.com)

Remember to include the web address (URL) of the website that you are reviewing.

Assess these websites and answer the questions in the document.

From your research, list 6 key points that describe a well designed website. Print out the finished document and make sure that you put your name in the header or footer.

## TASK 2

Open a new Word document and save it, calling it 'Designing Websites for Different Audiences'.

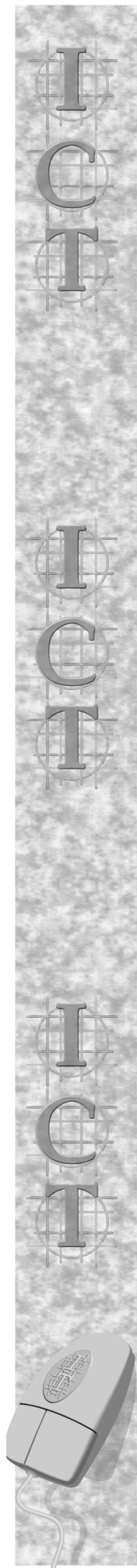
Remember to include the web address (URL) of the website that you are

Find a website aimed at an adult audience and one aimed at teenagers. Try to identify the techniques they have used to appeal to each different audience.

Create a table in your Word document (see below) and record the different points that you have identified.

Site for Adult Audience	Site for Teenage Audience
1.	1.
2.	2.
3.	3.
4.	4.
5.	5.
6.	6.

Print out the finished document and make sure that you put your name in the footer.



## HOMework TASK 1

## WEBSITE EVALUATION

Find 3 websites, one used for information, one for entertainment and one for communication and answer the following questions about them. Do not answer just yes or no, answer in full sentences. (1 bonus mark for name/neatness)

Website	Is the information relevant? (3)	Is the information clear? up-to-date? accurate? unbiased? (6)	Do the images enhance or distract? are they meaningful? is the font size suitable? (12)	Is the website easy to use and navigate? (3)
Information http:				
Communication http:				
Entertainment http:				

Total Score: /40

## TASK 3

Using Notepad to create a HTML webpage. Follow the instructions step by step.  
Open **Notepad** (Programs > Accessories)

### Save the file straight away as:

File name: index.htm Note ... the first page in a website is always called index.htm  
Save as type: All Files (change from Text Documents)

### A basic page

```
<html>
<body>
Search Engines
</body>
</html>
```

### Save the file

Look at the result in a web browser

What shows up on the page?

### Changing text styles

```
<html>
<body>
<h1>Search Engines</h1>
</body>
</html>
```

### Save the file

Look at the result in a web browser

How has the text changed?

### Splitting lines

```
<html>
<body>
<h1>Search Engines</h1>
YouTube<br>
MSN<br>
Google<br>
</body>
</html>
```

### Save the file

Look at the result in a web browser

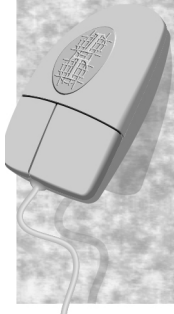
### Adding Hyperlinks

```
<html>
<body>
<h1>Search Engines</h1>
<a href="http://www.youtube.com">YouTube</a> <br>
<a href="http://www.msn.com">MSN</a> <br>
<a href="http://www.google.com">Google</a> <br>
</body>
</html>
```

### Save the file

Look at the result in a web browser

What colour are the links?



## Adding a title to the page

Where is the title on the page in the browser?.....

```
<html>
<head>
<title>Information on Search Engines</title>
</head>
<body>
<h1>Search Engines</h1>
<a href="http://www.youtube.com">YouTube</a><br>
<a href="http://www.msn.com">MSN</a><br>
<a href="http://www.google.com">Google</a><br>
</body>
</html>
```

Make a note of the file size of the document "index.html" ..... (Look in Properties)

## Set background colour (Note the spelling of colour ... color)

```
<body bgcolor= ??????>
```

## Set text colour

```
<body text=??????>
```

## Italic text

```
<i> </i>
```

## New paragraph

```
<p> </p>
```

## New paragraph aligned to left, right or center (this aligns the text to itself ... not the page)

```
< p align=?>
```

## Some more common HTML tags

```
<font size="6"> change to size 6 font (you can choose any size between 1 and 7)
```

```
<ul> Create a bulleted list (this tag must be put in front of each item in the list)
```

```
<hr> Horizontal line
```

## To Insert a Picture

```

```

This tag would insert a picture with the filename www.gif  
The picture you want to enter must be in the same directory as your web page.

Make a note of the file size of the document "index.html" .....

?????? is the colour as a number  
Each colour has a code. Other colours are:  
FF0000 = Red  
EEEE00 = Yellow  
00FF00 = Green  
800080 = Purple  
FFFFFF = White  
000000 = Black

Look in Properties

## TASK 4

Use a word processor to create a web pages. Using Word open a new document

Type the following:

**Search Engines**

**YouTube**

**MSN**

**Google**

Highlight 'Search Engines' and make it into a *Heading* (from the text formatting tools)

Highlight 'YouTube' and from the *Insert* menu select *Hyperlink*

Type in the web page name for the site <http://www.youtube.com>

Repeat for the other two sites

<http://www.msn.com>

<http://www.google.com>

From the *File* menu select *Save as Web Page*

And save as Search Engines.htm and select the file type as Web Page \*htm, \*html (It will automatically open up as an interactive page)

Open your web browser and open Search Engines.htm

Compare and make notes about making these two similar basic web pages, using HTML code and a word processor

---

---

---

---

---

---

Now return to your Word file "Search Engines.htm" and from the *View* menu select "HTML Source"

Compare this HTML code with the code you wrote using Note Pad

What do you notice?

Make a note of the file size of the document "Search Engines.htm" ..... (Look in Properties)

Think about the technical issues that affect electronic communication

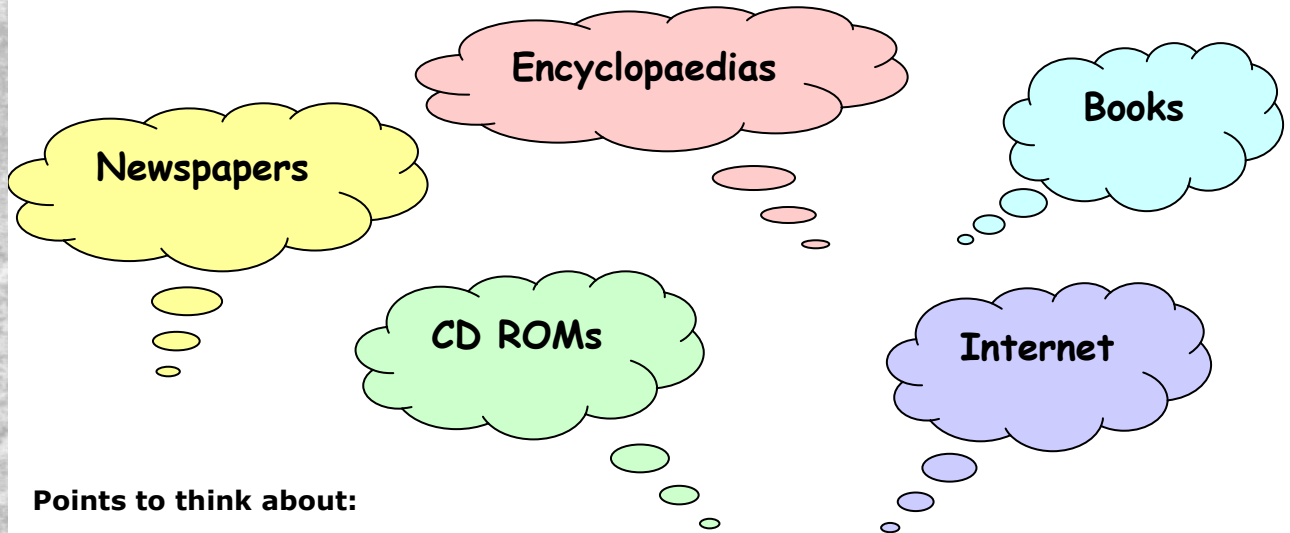
Complete these tasks for Homework

## HOMWORK TASK 2

This task is to be completed for homework.

Write a document entitled 'Is the Internet more useful than traditional printed material?'

Consider different methods of publishing material e.g.



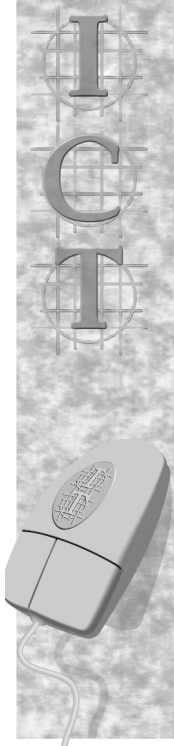
### Points to think about:

- How up to date is the information?
- How accurate is the information?
- How many people can access the information at a given time?
- Do you need any special equipment?
- Are there any potential dangers with this resource?

16

Add your name, class and the title 'Homework Task 2' and the date in the footer

4



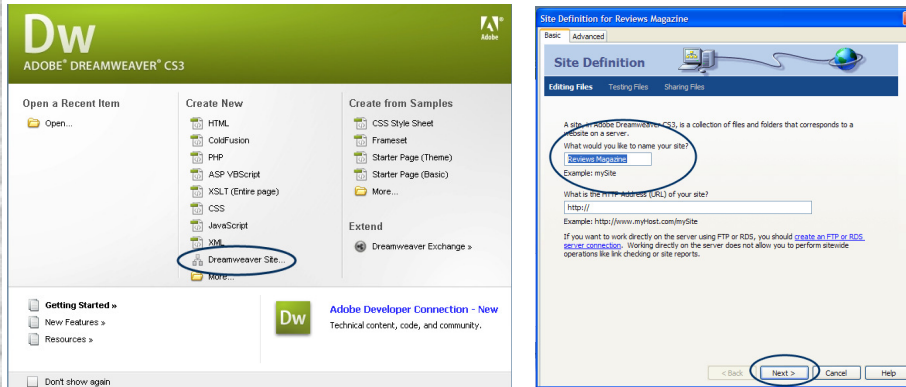
You are going to create pages for a new website for Sha Tin College called "Reviews" Magazine, which will feature the extra curricular activities that many students are involved in within Sha Tin College.

To create these pages, you will be using a web publishing software called Adobe Dreamweaver CS3 (formerly Macromedia)

## TASK 5

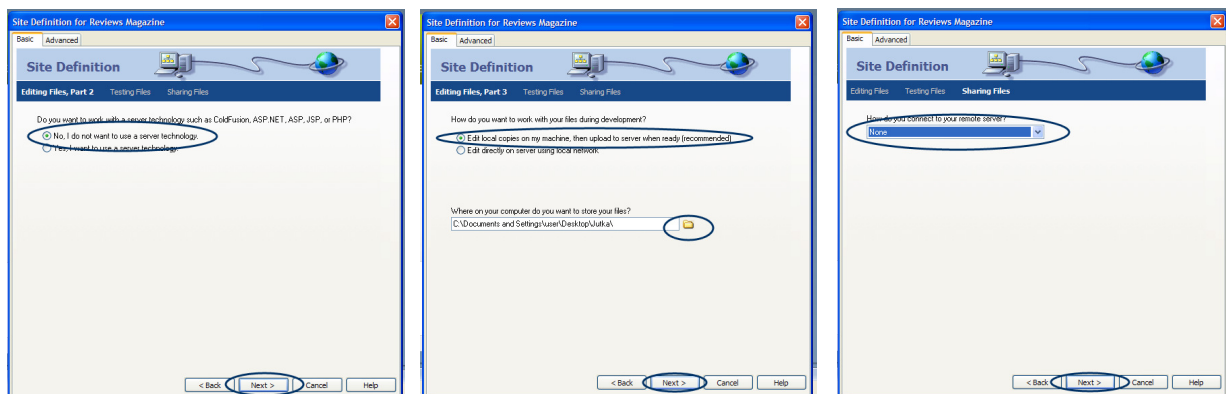
Next you will need to load Adobe Dreamweaver CS3

The first thing you must do is manage your site, so follow the steps below carefully.



(Or on the menu bar at the top, go to Site > New Site ... )

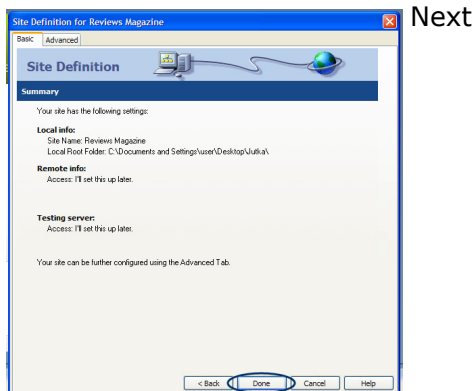
Call the site your name followed by Reviews Magazine (e.g. MsC Reviews Magazine Next



**No, I do not want to use server technology**

Next

Click on the yellow folder button and find where you copied the folder to  
Click **Open**, then **Select**



Put **None** in the drop down box

Next

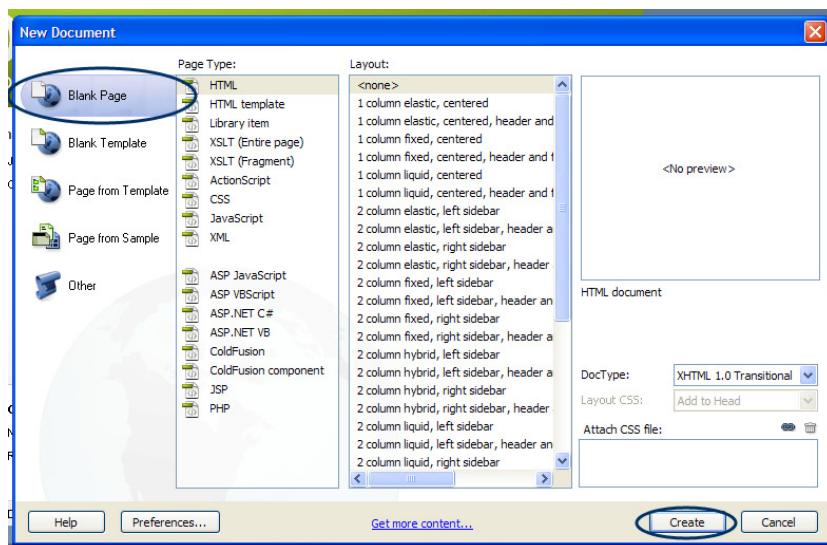
Done

Done



## TASK 6

Click on file and select New > Blank Page > click Create, Save naming the file as "index.html"



**What should you create?** A 4 page website showing "Reviews" Magazine

The first page "index.html" should have the school logo and a set of buttons that link to all of the other pages (and to itself)

There should be a page for:

CAS Week

The Concert

The OSCARS

As well as the Home Page (index.html)

Inside the images folder (Student Resources Y8 Making a Website, sc\_reviews) there are buttons for each page (2 buttons for each so you can make rollover buttons (total 8 images)) There are 3 pictures to go on each page after the Home (index) page.

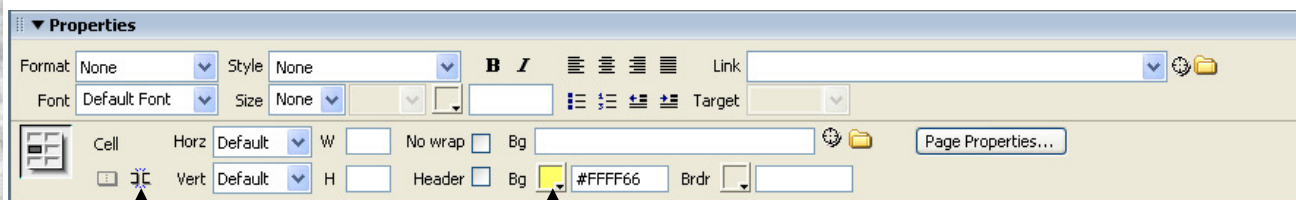
Every Page must have the buttons to link to the other pages.

You will need to use at least one table on each page to position the buttons and another for the pictures. Next to each picture you should write a sentence to say something about it (you can make this up) eg ... "Here we see Uma Thurman at the OSCAR ceremony"

Follow the instructions carefully to creating your index page

Use tables to arrange the images and text on the page, you can create tables using the table button you can put tables in tables or merge cells together.

You can add colour to cells and change the cell padding (spaces in between) in the *Properties* box



cell merge

cell colour

## Notes On Web Pages

### HTML

Hypertext Markup language ... the code used to write web pages

**Tag** ...e.g. <body> </body>... an HTML instruction code

### URL

Uniform Resource Location (or Locator) ... the address of a web page

When designing web pages ...

Everything is measured in pixels (the dots that make up a screen picture)

Never use capital letters in any file names and use **\_** (underscore) instead of spaces

The first page must always be called **index.html**

Use **.jpg files** for photographs, **.png files** if you want a transparent background for a picture or button and **.gif** if you want an animated picture (can also have a transparent background but only limited colours)

When colouring images in other software e.g. Xara, Photoshop or Flash, use web safe colours, **hexadecimal** colours

**Optimise** pictures before putting them on web pages ... i.e. make them the right size (in pixels) and the file as small as possible to make sure they load quickly before you insert them into your website.

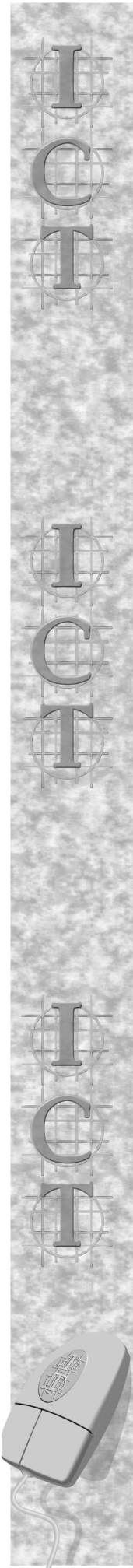
Use tables to lay out the contents of a web page

Make sure text stands out clearly against the background of the page

Do not use too many flashing animated gifs

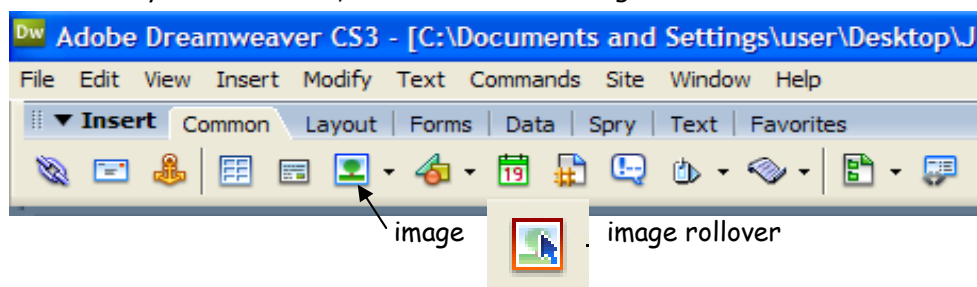
Golden rules when designing a website...

- Design
- Ease of use
- Copywriting
- Interactivity
- Use of technology
- Innovation
- Content

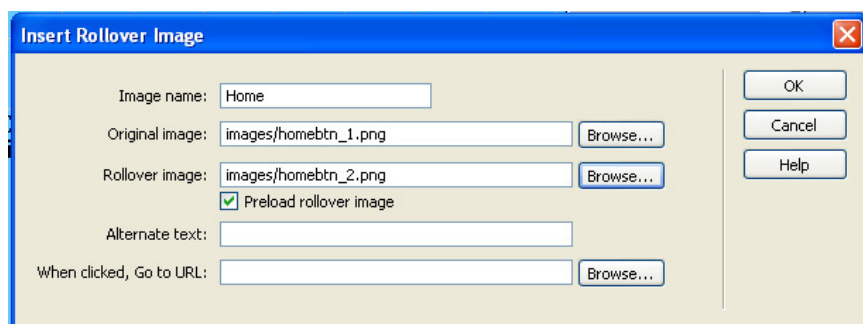


To create the buttons use the images provided in the images folder e.g. *homebtn\_1.png* and *homebtn\_2.png*. You will notice there are two images for each button, one image will be placed on your page and when you hover with the mouse over it, it will change to the second image and then when you click on it, it will navigate you to another page.

Select the cell you wish to insert your button in, then select the image rollover button from the top menu bar (COMMON)



Browse and insert the buttons you want and leave the link empty at the moment. Click OK, repeat this for all the other navigation buttons.



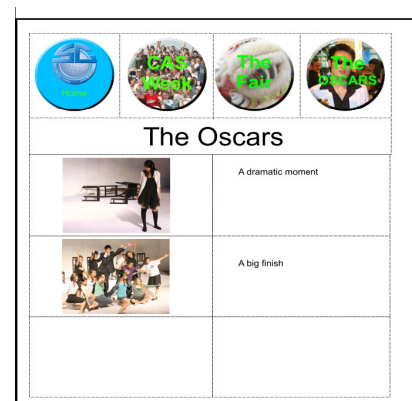
To browse to see how your buttons work save your work first then select the *Preview* button and select *preview in browser*



The Internet Explorer browser will open and will display your web page, hover your mouse over your buttons and you will see the button change



You need to think about the layout and design of your website, here are some examples and on the next page are thumbnails of the pictures in the images folder



## TASK 7

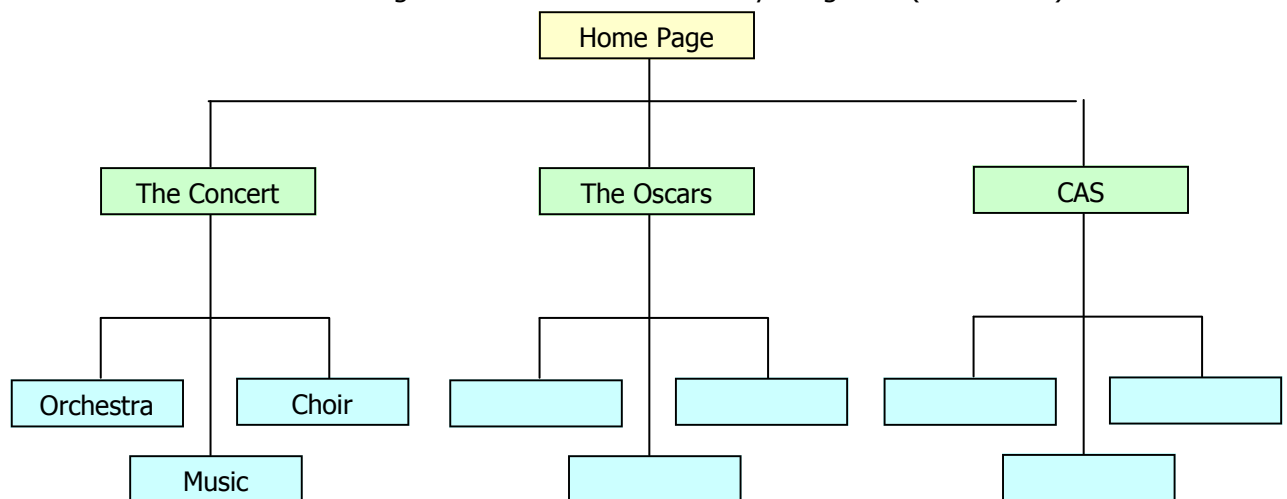
You are going to consider the planning of your website, how each page will look and how the pages will link to each other. You need to create a design on paper for the layout of your website. It is important to think about how people will navigate from one page to the next. From your website, there will be three links from the home page which go to the following pages:

- CAS
- The Concert
- The Oscars

You may decide that when you visit the Concert page for example, there may be three further links to these pages:

- The Orchestra
- The Choir
- The Music

These can be shown as a diagram known as a 'Hierarchy Diagram' (see below)



This diagram clearly shows that I will have three links coming from my home page and so on.

## Task 8

Now it is time to think about what pages you will need and how you will navigate to them.

Design a Hierarchy Diagram for your own website. Choose appropriate software to create your hierarchy diagram. (PowerPoint or Word) Print off a copy remembering to add your name, class, date and Task 6 in the footer.



homebtn\_1.png



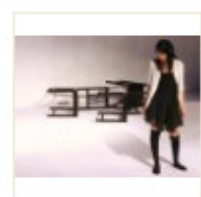
homebtn\_2.png



cas2.jpg



cas3.jpg



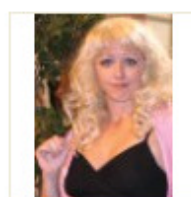
cas5.jpg



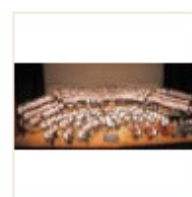
casbtn1.png



casbtn2.png



oscar2.jpg



oscar3.jpg



oscar10.jpg



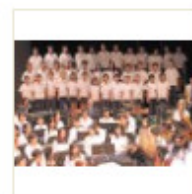
oscarbtn1.png



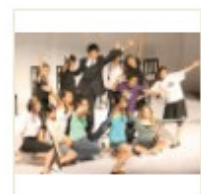
oscarbtn2.png



rock1.jpg



rock2.jpg



rock5.jpg



rockbtn1.png



rockbtn2.png



sclogo.png



title.png



bgnd.jpg



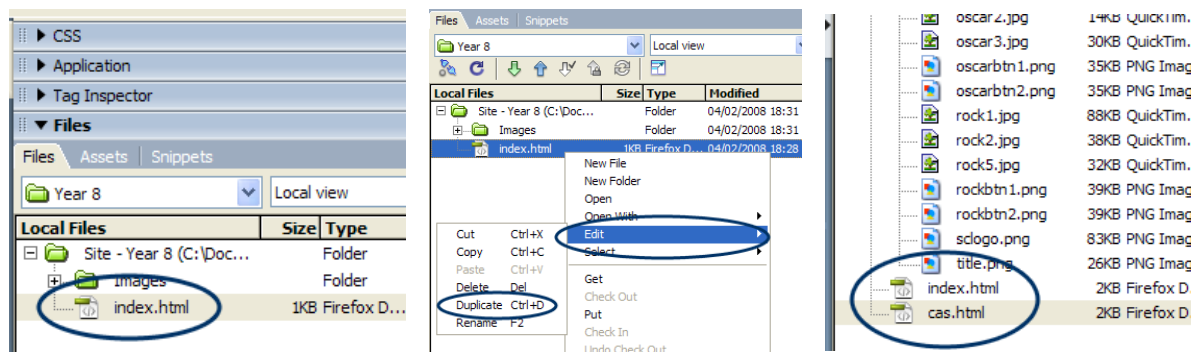


## TASK 9

Open up Dreamweaver and return to your home page

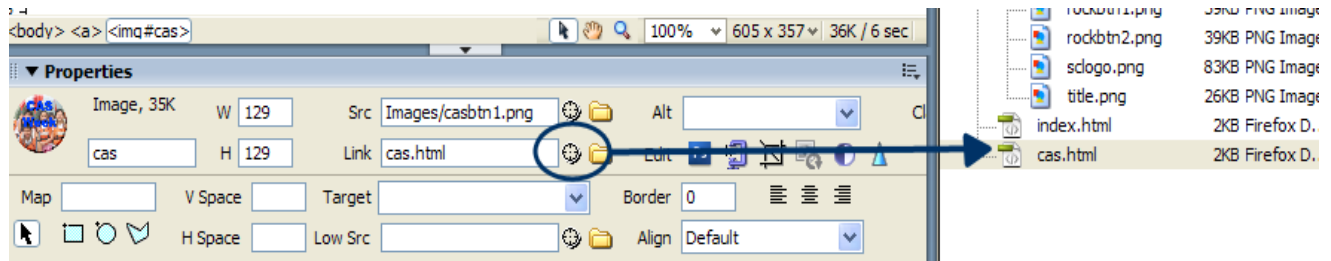
To create the other pages with a similar layout and to have the buttons in exactly the same place, it is easier to duplicate the index page, than redo each page from scratch!!

To duplicate the page select the *index.htm* page from the *Files* menu on the RH of the screen. Then right click on the page and a submenu appears, select *Edit* and then select *Duplicate*. Select the newly copied page from the *Files* menu and select *Edit* and *Rename* and give the new page a new name (don't forget to leave the *.html* tag on the page)



To link the pages together, on the index page select the second button and the info about the button will appear in the properties menu

Next to the *Link* field there is a little clock, click and drag the arrow to the page you want to link to in the *Files* menu



Save your work and preview in the web browser

Continue to build up your pages for your website, you should complete 4 pages, the homepage, CAS, The Concert and The Oscars. It is important that there is some consistency in the layout and style of the pages.

## TASK 10

To make your site more interesting, use some of the additional material in the folder of images And add some of the following

- Adding a repeating background (Modify menu >Page Properties >Background image >Repeat)
- Additional images - in the additional images folders on the staff drive
- Buttons using text and rollovers
- Adding the date/time to your website
- Links to other sites e.g. STC
- Adding a link to an Email account

## TASK 11

### Peer evaluation

Using the table below open your website onto the computer, and ask four people to review it using PIM's

Name	Positive	Interesting	Minus

### Self evaluation

In the space below complete the simple self evaluation statements, (think about the PIM's evaluation) add a printout of each of your pages from your website, using printscreen, and show the files and layout of at least one page in Dreamweaver

Have I planned and created pages for my website?

Have I added appropriate text and images to my web pages?

Have I planned and created hyperlinks to navigate through my web pages?

Have I evaluated my pages to make sure they were suitable for a wide audience?

Can I describe the steps I have worked through to create my web pages and suggest how they can be improved?

## Task 12

Word Search Homework

Revision, look at your word search for the key words

Test

## HOMEWORK TASK 5

This task is to be completed for homework.

Find the words below in the word search and learn and understand their meaning and definitions

U	T	Y	U	I	H	I	E	R	A	R	C	H	Y	A	S	D	F	G	H	J	K
Q	N	W	E	R	T	Y	H	Y	P	E	R	L	I	N	K	U	I	O	P	A	S
D	F	I	N	D	E	X	G	H	J	K	I	L	Z	X	C	V	B	N	M	Q	W
E	R	T	F	D	Y	U	I	O	P	A	T	B	R	O	A	D	B	A	N	D	S
D	F	G	H	O	J	K	S	L	S	Z	E	X	A	C	V	B	T	N	M	Q	W
E	R	T	Y	W	R	U	E	I	T	O	R	P	A	N	S	D	A	F	G	T	H
J	W	K	L	N	Z	M	A	X	Y	C	I	V	B	N	D	I	G	I	T	A	L
M	E	Q	W	L	E	R	R	T	L	Y	A	U	I	O	P	W	A	S	D	B	F
G	B	H	J	O	K	L	C	E	E	Z	X	W	C	V	B	N	I	M	Q	L	W
F	S	E	R	A	T	Y	H	U	S	I	O	E	P	A	S	D	F	D	S	E	G
I	I	M	O	D	E	M	E	H	H	O	J	B	O	D	Y	T	E	X	T	K	L
L	T	L	Z	X	C	V	N	B	E	N	U	B	M	Q	W	H	E	R	R	H	T
E	E	Y	E	I	O	P	G	A	E	S	D	R	F	G	H	E	J	K	U	T	L
S	Z	X	C	E	V	B	I	N	T	M	Q	O	C	W	E	M	R	T	C	T	Y
I	R	U	I	O	X	P	N	A	S	D	F	W	G	E	H	E	J	K	T	P	L
Z	O	Z	X	C	V	T	E	B	N	M	Q	S	W	E	L	R	T	Y	U	I	O
E	L	P	A	U	D	I	E	N	C	E	A	E	S	D	F	O	N	T	R	D	F
G	L	H	J	K	L	Z	X	N	C	V	B	R	N	M	Q	W	C	E	E	R	T
H	O	M	E	P	A	G	E	Y	S	U	I	O	P	A	S	D	F	A	G	H	J
K	V	L	Z	X	C	V	B	N	M	I	Q	W	E	L	A	Y	O	U	T	R	T
Y	E	U	I	O	P	A	S	D	F	G	O	H	J	K	L	Z	X	C	V	O	B
N	R	M	N	A	V	I	G	A	T	I	O	N	Q	W	E	R	T	Y	U	I	R

Web browser	Bandwidth	Website	Tag
Uniform Resource Locator	Search engine	Navigation	Rollover
Layout	http	Homepage	Style sheet
Body text	File extension	Font	File size
Download	Hyperlink	Modem	Theme
Digital	Index	Broadband	Audience
Hierarchy	Table	Criteria	Structure

The file for the first page of a website must always be called .....

The picture file-types you can use on a website are ...?

When you optimize a picture for a website you ..... ?

What should you use to help control the layout of a web-page?