

Year 8

# Web Site Design

## Using Dreamweaver



Before beginning this project you should copy the folder **Student Resources Y8 Making a Website** into your own network area. Your teacher will tell you where to find the folder on the network

**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

## **TASK 1**

Before you create your own web pages, you need to consider what makes an effective website.

Open the Word file called *Evaluating Internet Sites.doc* that is in the folder that you copied to your network area

Look at the following two websites

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

Assess these websites and answer the questions in the document.

From your research, list 5 key points that describe a well designed website.

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

## TASK 2

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 ... (Do not type the words that are shown in Bold)

```
<html>
<body>
Favourite pages
</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>Favourite pages</h1>
</body>
</html>
```

#### Save the file

Look at the result in a web browser

How has the text changed?

### Splitting lines

```
<html>
<body>
<h1>Favourite pages</h1>
YouTube<br>
Facebook<br>
Google<br>
</body>
</html>
```

#### Save the file

Look at the result in a web browser

### Adding Hyperlinks

```
<html>
<body>
<h1>Favourite pages</h1>
<a href="http://www.youtube.com">YouTube</a><br>
<a href="http://www.facebook.com">Facebook</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

```
<html>
<head>
<title>Links To Favourite Pages</title>
</head>
<body>
<h1>Favourite Pages</h1>
<a href="http://www.youtube.com">YouTube</a><br>
<a href="http://www.facebook.com">Facebook</a><br>
<a href="http://www.google.com">Google</a><br>
</body>
</html>
```

### Save the file

Look at the result in a web browser

Where does the title show up on the web browser page?

**Make a note of the file size of the document "index.html" .....**  
**(Right mouse click over the file and 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>
```

?????? 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

**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" .....



Checkout [www.lissaexplains.com](http://www.lissaexplains.com) for loads of tips and tricks

### TASK 3

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

Type the following:

Favourite Pages  
YouTube  
Facebook  
Google

Highlight '**Favourite Pages**' 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.facebook.com>  
<http://www.google.com>

**Click on the yellow button on the top left of the page to save it**

Select "**Other Formats**" and use the **file type** Web Page \*htm, \*html (It will automatically open up as an interactive page)

Open your web browser and open (double click on) Favourite Pages.htm

**Make a note of the file size of the document "Favourite Pages.htm"**

..... (Look in Properties)

Now return to your Word file "Favourite Pages.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? (Write some notes below)

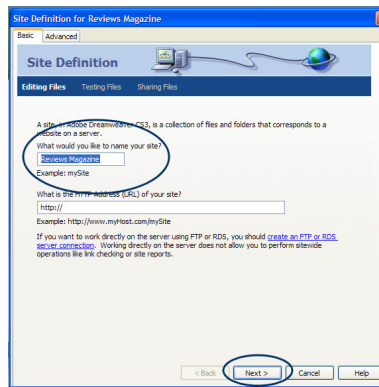
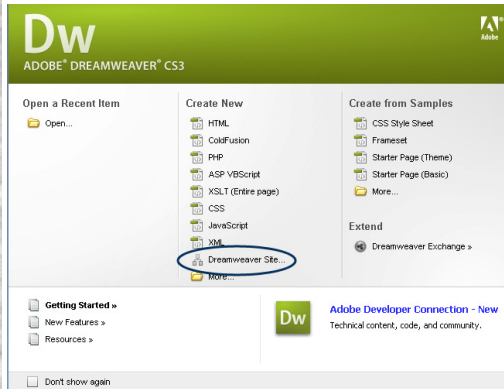


You are going to create pages for a new website for Sha Tin College called "Reviews" Magazine, which will feature the extra curricular activities that many students are involved in within Sha Tin College.

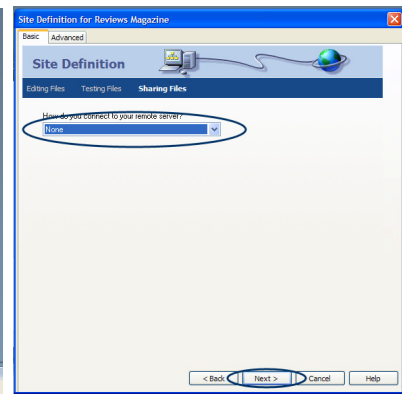
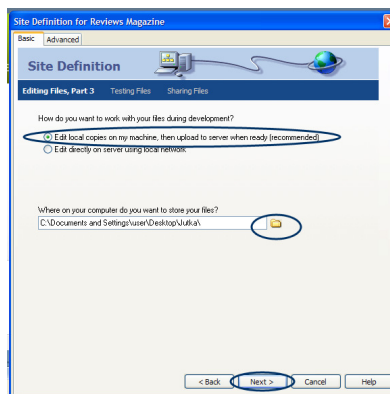
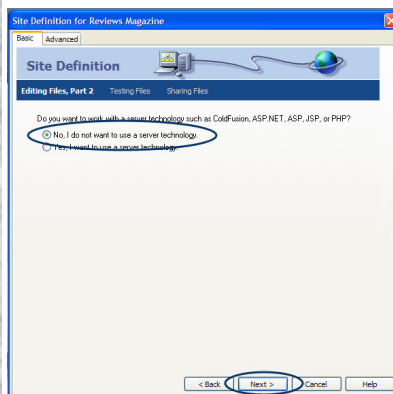
To create these pages, you will be using a web publishing software called Adobe Dreamweaver CS3 (formerly Macromedia)

## TASK 4

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.

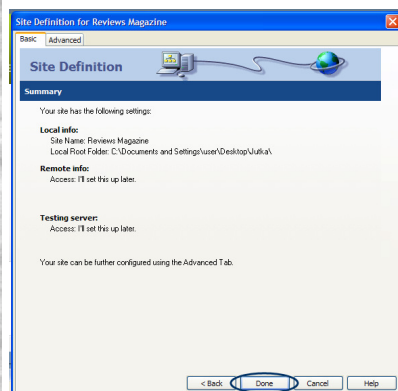


(Or on the

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



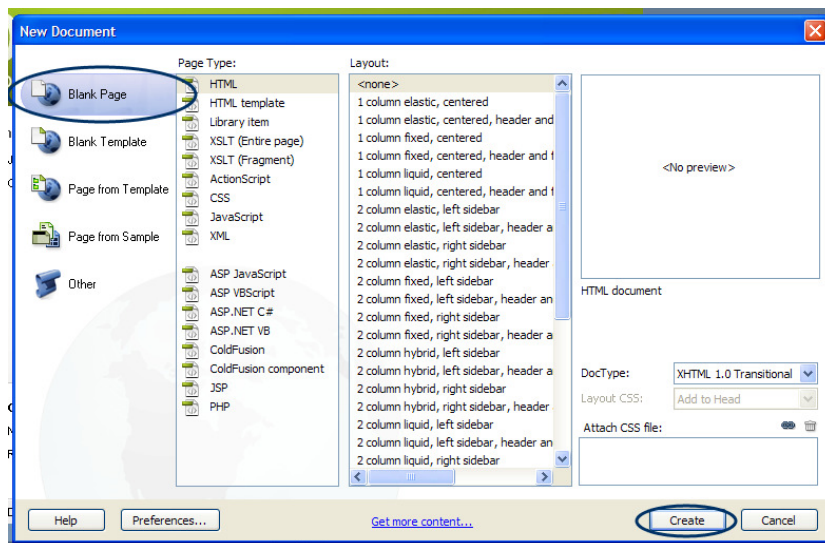
**No, I do not want to use server technology**

Next

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

## TASK 5

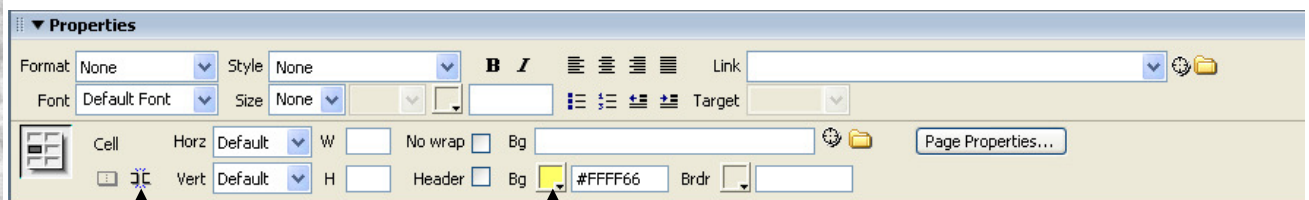
Click on file and select New > Blank Page > click Create, Save naming the file as "index.html"



**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 saw Emma 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



cell merge

the table but-  
merge cells together.

cell colour

ton you can put tables in tables or

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



## 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

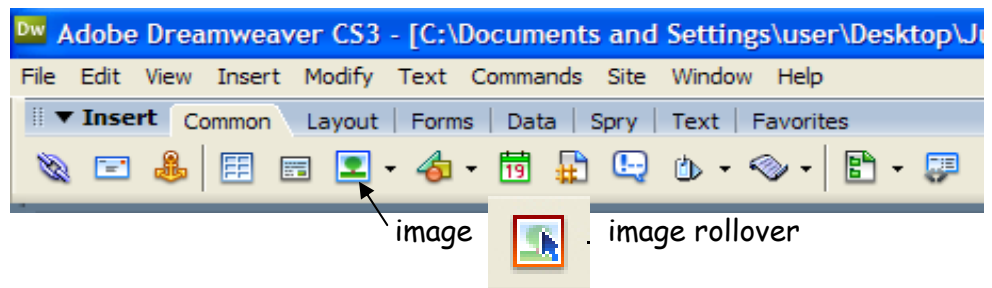
Do not use too many flashing animated gifs

Golden rules when designing a website...

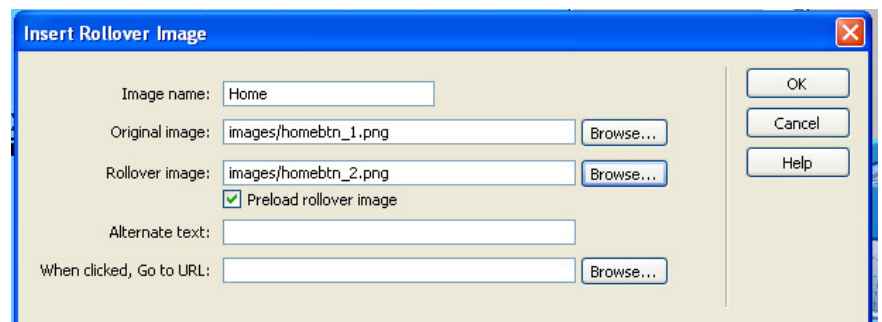
- Design
- Ease of use
- Copywriting
- Interactivity
- Use of technology
- Innovation
- Content

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 6

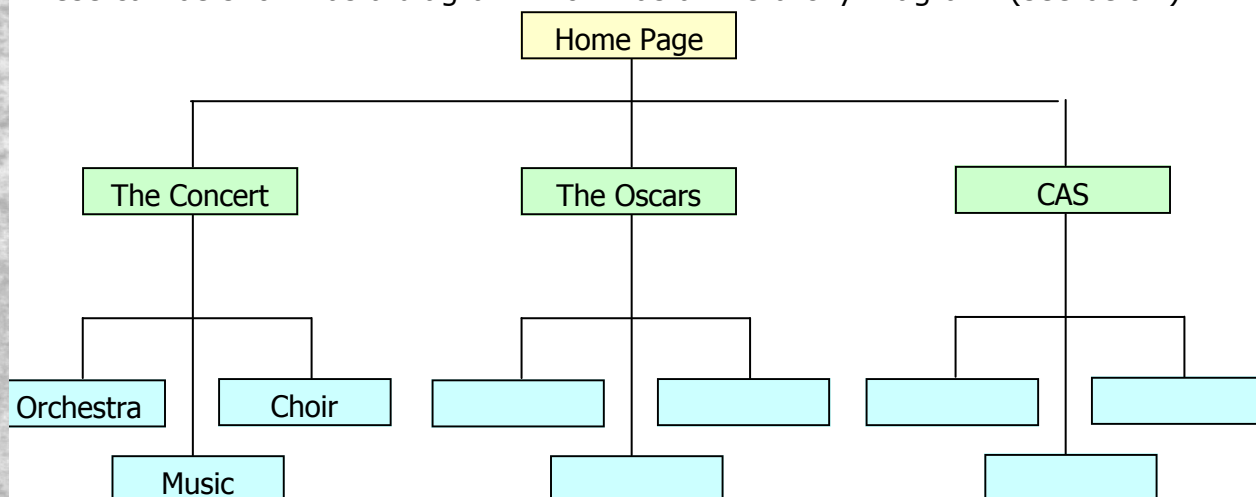
You are going to consider the planning of your website, how each page will look and how the pages will link to each other. You need to create a design on paper for the layout of your website. It is important to think about how people will navigate from one page to the next. From your website, there will 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 7

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



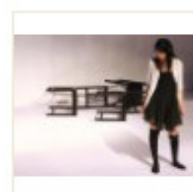
homebtn\_2.png



cas2.jpg



cas3.jpg



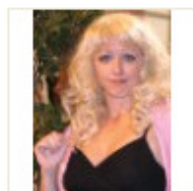
cas5.jpg



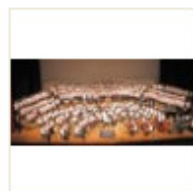
casbtn1.png



casbtn2.png



oscar2.jpg



oscar3.jpg



oscar10.jpg



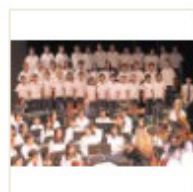
oscarbtn1.png



oscarbtn2.png



rock1.jpg



rock2.jpg



rock5.jpg

You can copy more website planning pages from you Student Resources folder

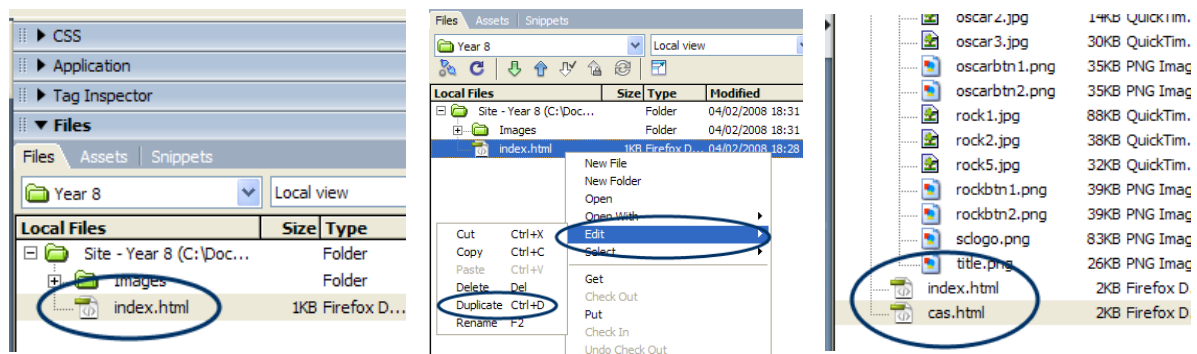
[illegible]

## TASK 9

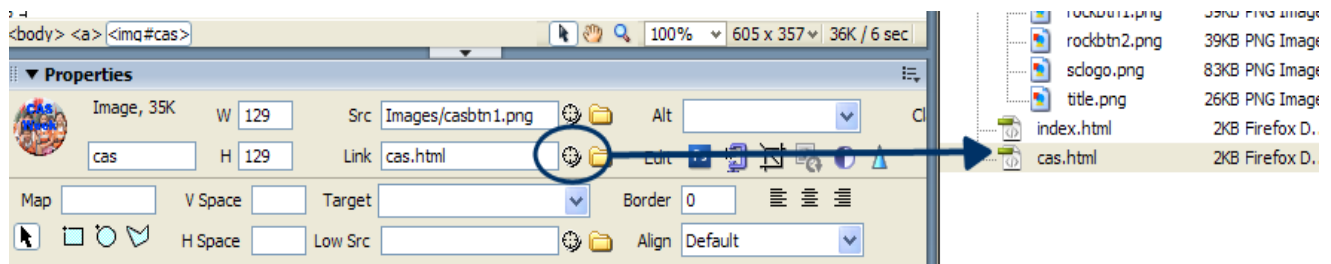
Open up Dreamweaver and return to your home page

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



## 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

This task is to be completed for homework.

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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?